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BOURNS Chip Resistor Arrays

BOURNS®

RoHS Compliant This product is RoHS compliant.

BOURNS CONCAVE AND CONVEX TERMINATION CHIP RESISTOR ARRAYS, LEAD FREE

Features:

- Lead free version
- Concave and convex termination style
- Resistance tolerance $\pm 5\%$
- Suitable for most types of soldering processes



Specifications:

- Operating temperature range: -55°C to $+125^{\circ}\text{C}$

CAT10, CAY10:

- Package power rating @ 70°C : 125 mW (J4), 63 mW (J2)
- CAT 10: insulated resistors in 0804 size package
- CAY 10: 2/4 isolated resistors in 0404/0804 size package

CAT16, CAY16:

- Power rating per resistor: 62 mW
- Number of elements (isolated): 4 (J4LF), 2 (J2LF)

J2 Package 		A 		B 	
J4 Package 		C 		D 	
Circuit Schematics 		DIMENSIONS: mm (in.)			
		Model	A	B	C
		CAT10-J4	2.0 \pm 0.10 (.079 \pm .004)	1.0 \pm 0.10 (.039 \pm .004)	0.4 \pm 0.15 (.015 \pm .006)
		CAY10-J4	2.0 \pm 0.10 (.079 \pm .004)	1.0 \pm 0.10 (.040 \pm .004)	0.35 \pm 0.10 (.014 \pm .004)
		CAT10-J2	1.00 \pm 0.10 (.040 \pm .004)	1.0 \pm 0.10 (.040 \pm .004)	0.35 \pm 0.10 (.014 \pm .004)
		CAT16-J4	3.20 \pm 0.20 (.126 \pm .008)	1.60 \pm 0.20 (.063 \pm .008)	0.50 \pm 0.10 (.020 \pm .004)
		CAY16-J4	3.20 \pm 0.20 (.126 \pm .008)	1.60 \pm 0.20 (.063 \pm .008)	0.50 \pm 0.10 (.020 \pm .004)
		CAT16-J2	1.60 \pm 0.15 (.032 \pm .002)	1.60 \pm 0.15 (.063 \pm .006)	0.60 \pm 0.15 (.024 \pm .006)
		CAY16-J2	1.60 \pm 0.15 (.063 \pm .006)	1.60 \pm 0.15 (.063 \pm .006)	0.50 \pm 0.10 (.020 \pm .004)

For quantities greater than listed, call for quote.

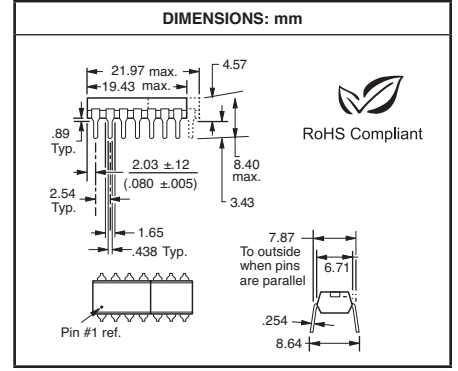
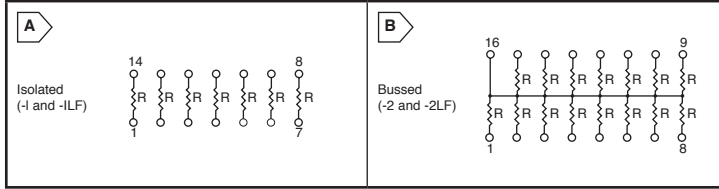
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	No. of Resistors	Element Size	Price Each					
					1	100	500	1000	5000	10000
CAT 10 Series Concave Termination Chip Resistor Arrays										
652-CAT10-000J4LF	A	0	4	0804						
652-CAT10-5R1J4LF	A	5.1	4	0804						
652-CAT10-100J4LF	A	10	4	0804						
652-CAT10-180J4LF	A	18	4	0804						
652-CAT10-220J4LF	A	22	4	0804						
652-CAT10-240J4LF	A	24	4	0804						
652-CAT10-330J4LF	A	33	4	0804						
652-CAT10-470J4LF	A	47	4	0804						
652-CAT10-510J4LF	A	51	4	0804						
652-CAT10-103J4LF	A	10K	4	0804						
652-CAT10-104J4LF	A	100K	4	0804						
CAT16 Series Concave Termination Chip Resistor Arrays										
652-CAT16-000J4LF	A	0	4	1206						
652-CAT16-3R0J4LF	A	3	4	1206						
652-CAT16-100J2LF	B	10	2	0606						
652-CAT16-100J4LF	A	10	4	1206						
652-CAT16-220J4LF	A	22	4	1206						
652-CAT16-220J2LF	B	22	2	0606						
652-CAT16-270J4LF	A	27	4	1206						
652-CAT16-330J4LF	A	33	4	1206						
652-CAT16-470J4LF	A	47	4	1206						
652-CAT16-510J4LF	A	51	4	1206						
652-CAT16-560J4LF	A	56	4	1206						
652-CAT16-680J4LF	A	68	4	1206						
652-CAT16-750J4LF	A	75	4	1206						
652-CAT16-101J4LF	A	100	4	1206						
652-CAT16-151J4LF	A	150	4	1206						
652-CAT16-221J4LF	A	220	4	1206						
652-CAT16-271J4LF	A	270	4	1206						
652-CAT16-331J4LF	A	330	4	1206						
652-CAT16-431J4LF	A	430	4	1206						
652-CAT16-471J4LF	A	470	4	1206						
652-CAT16-102J4LF	A	1K	4	1206						
652-CAT16-152J4LF	A	1.5K	4	1206						
652-CAT16-222J4LF	A	2.2K	4	1206						
652-CAT16-272J4LF	A	2.7K	4	1206						
652-CAT16-332J4LF	A	3.3K	4	1206						
652-CAT16-472J4LF	A	4.7K	4	1206						
652-CAT16-822J4LF	A	8.2K	4	1206						
652-CAT16-103J4LF	A	10K	4	1206						
652-CAT16-203J4LF	A	20K	4	1206						
652-CAT16-223J4LF	A	22K	4	1206						
652-CAT16-473J4LF	A	47K	4	1206						
652-CAT16-473J4LF	A	100K	4	1206						
652-CAT16-474J4LF	A	470K	4	1206						
652-CAT16-105J4LF	A	1M	4	1206						
CAY10 Series Convex Termination Chip Resistor Arrays										
652-CAY10-000J4LF	C	0	4	0804						
652-CAY10-3R0J2LF	D	3	2	0404						
652-CAY10-100J4LF	C	10	4	0804						
652-CAY10-180J2LF	D	18	2	0404						
652-CAY10-220J2LF	D	22	2	0404						
652-CAY10-220J4LF	C	22	4	0804						
652-CAY10-270J4LF	C	27	4	0804						
652-CAY10-330J4LF	C	33	4	0804						
652-CAY10-430J4LF	C	43	4	0804						
652-CAY10-470J4LF	C	47	4	0804						
652-CAY10-560J4LF	C	56	4	0804						
652-CAY10-101J4LF	C	100	4	0804						
652-CAY10-331J4LF	C	330	4	0804						

MOUSER STOCK NO.	Fig.	Value (Ω)	No. of Resistors	Element Size	Price Each					
					1	100	500	1000	5000	10000
CAY10 Series Convex Termination Chip Resistor Arrays (Cont.)										
652-CAY10-471J4LF	C	470	4	0804						
652-CAY10-102J4LF	C	1K	4	0804						
652-CAY10-222J4LF	C	2.2K	4	0804						
652-CAY10-332J4LF	C	3.3K	4	0804						
652-CAY10-472J4LF	C	4.7K	4	0804						
652-CAY10-822J4LF	C	8.2K	4	0804						
652-CAY10-103J4LF	C	10K	4	0804						
652-CAY10-473J4LF	C	47K	4	0804						
652-CAY10-104J4LF	C	100K	4	0804						
CAY16 Series Convex Termination Chip Resistor Arrays										
652-CAY16-000J4LF	C	0	4	1206						
652-CAY16-100J4LF	C	10	4	1206						
652-CAY16-150J4LF	C	15	4	1206						
652-CAY16-220J2LF	D	22	2	0606						
652-CAY16-220J4LF	C	22	4	1206						
652-CAY16-240J4LF	C	24	4	1206						
652-CAY16-270J4LF	C	27	4	1206						
652-CAY16-330J4LF	C	33	4	1206						
652-CAY16-390J4LF	C	39	4	1206						
652-CAY16-470J4LF	C	47	4	1206						
652-CAY16-510J4LF	C	51	4	1206						
652-CAY16-560J4LF	C	56	4	1206						
652-CAY16-680J4LF	C	68	4	1206						
652-CAY16-820J4LF	C	82	4	1206						
652-CAY16-101J4LF	C	100	4	1206						
652-CAY16-121J4LF	C	120	4	1206						
652-CAY16-151J4LF	C	150	4	1206						
652-CAY16-181J4LF	C	180	4	1206						
652-CAY16-221J4LF	C	220	4	1206						
652-CAY16-271J4LF	C	270	4	1206						
652-CAY16-331J4LF	C	330	4	1206						
652-CAY16-391J4LF	C	390	4	1206						
652-CAY16-471J4LF	C	470	4	1206						
652-CAY16-561J4LF	C	560	4	1206						
652-CAY16-102J4LF	C	1K	4	1206						
652-CAY16-122J4LF	C	1.2K	4	1206						
652-CAY16-152J4LF	C	1.5K	4	1206						
652-CAY16-222J4LF	C	2.2K	4	1206						
652-CAY16-272J4LF	C	2.7K	4	1206						
652-CAY16-332J4LF	C	3.3K	4	1206						
652-CAY16-472J4LF	C	4.7K	4	1206						
652-CAY16-562J4LF	C	5.6K	4	1206						
652-CAY16-682J4LF	C	6.8K	4	1206						
652-CAY16-822J4LF	C	8.2K	4	1206						
652-CAY16-103J4LF	C	10K	4	1206						
652-CAY16-123J4LF	C	12K	4	1206						
652-CAY16-153J4LF	C	15K	4	1206						
652-CAY16-223J4LF	C	22K	4	1206						
652-CAY16-333J4LF	C	33K	4	1206						
652-CAY16-473J4LF	C	47K	4	1206						
652-CAY16-563J4LF	C	56K	4	1206						
652-CAY16-823J4LF	C	82K	4	1206						
652-CAY16-104J4										

4100R SERIES 2% DIP THICK FILM RESISTOR NETWORKS

- Specifications:**
- Molded Construction
 - Resistance range: 10Ω to 220KΩ
 - Temperature coefficient: 50Ω to 2.2MΩ = ±100 ppm/°C below 50Ω = ±250 ppm/°C
 - Resistor Tolerance: 10Ω to 49Ω = ±1Ω; 50Ω to 5MΩ = ±2%
 - Package Power Rating at 70°C: 4114R: 2.00 watts, 4116R: 2.25 watts



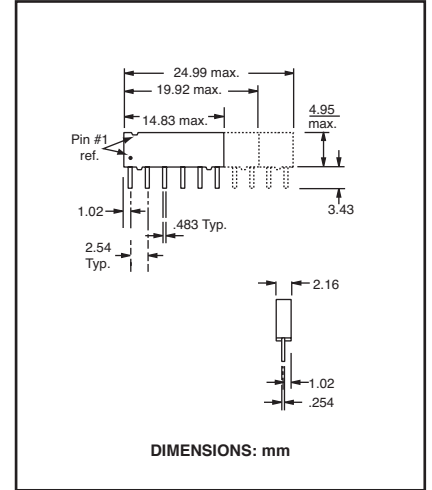
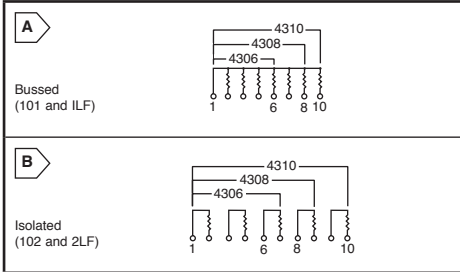
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each				
			1	50	100	500	1000
652-4114R-1LF-Value	A	14					
652-4114R-2LF-Value	B	14					
652-4116R-1LF-Value	A	16					
652-4116R-2LF-Value	B	16					

10	120	390	1.5K	4.7K	18K	68K
22	150	470	1.8K	5.6K	22K	100K
33	180	560	2K	6.8K	27K	150K
39	220	680	2.2K	8.2K	33K	220K
47	270	1K	2.7K	10K	47K	
100	330	1.2K	3.3K	15K	56K	

4300R SERIES 2% SIP THICK FILM RESISTOR NETWORKS

- Specifications:**
- Molded construction
 - Resistance range: 10Ω to 1MΩ
 - Temperature coefficient of resistance: 50Ω to 1M = ±100 ppm/°C < 50Ω = ±250 ppm/°C > 1MΩ = ±250 ppm/°C
 - Resistor Tolerance: 10 Ω to 49 Ω = ±1 ohm, 50 Ω to 5 MΩ = ±2%
 - Package Power Rating at 70°C: 4306R: 0.75 watts, 4308R: 1.00 watts, 4310R: 1.25 watts



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each			
			1	35	140	350
652-4306R-1LF-Value	A	6				
652-4306R-2LF-Value	B	6				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each			
			1	25	100	250
652-4308R-1LF-Value	A	8				
652-4308R-2LF-Value	B	8				
652-4310R-1LF-Value	A	10				
652-4310R-2LF-Value	B	10				

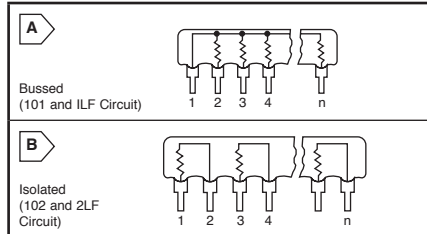
22	120	390	1.2K	3.3K	10K	33K	220K
39	150	470	1.5K	3.9K	12K	39K	470K
47	180	560	1.8K	4.7K	15K	47K	1M
56	220	680	2K	5.6K	20K	56K	
68	270	820	2.2K	6.8K	22K	68K	
100	330	1K	2.7K	8.2K	27K	100K	

Also available in 9 and 11 pin configurations.

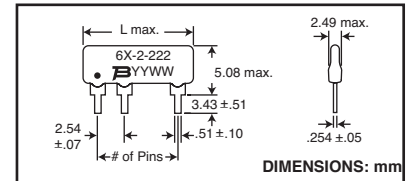
4600X SERIES 2% SIP CONFORMAL COATED RESISTOR NETWORKS

- Specifications:**
- Standard resistance range: 22Ω to 1MΩ
 - Standard resistance tolerance: 50Ω-5MΩ ±2% <49Ω=1Ω
 - Operating temperature range: -55°C to +125°C
 - Temperature coefficient of resistance: ±100ppm/°C (<50Ω = ±250ppm/°C)
 - Operating voltage: 100VDC max.
 - Insulation resistance: 10,000MΩ min.
 - Resistor Tolerance: 10Ω to 49Ω = ±1Ω, 50Ω to 5MΩ = ±2%

- Features:**
- Low profile is compatible with dips
 - Ammo-pak packaging available
 - Recommended for rosin flux, and solvent clean or no clean flux process



No. of Pins	6	8	10
"L" Max. (mm)	15.19	20.27	25.35



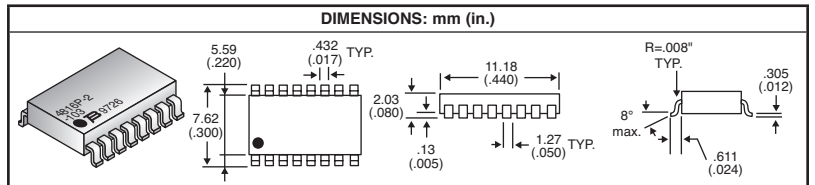
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each				
			1	50	100	500	1000
652-4606X-1LF-Value	A	6					
652-4606X-2LF-Value	B	6					
652-4608X-1LF-Value	A	8					
652-4608X-2LF-Value	B	8					
652-4610X-1LF-Value	A	10					
652-4610X-2LF-Value	B	10					

22	56	150	390	1K	2.2K	5.6K	15K	33K	82K	220K	560K
27	68	180	470	1.2K	2.7K	6.8K	18K	39K	100K	270K	680K
33	82	220	560	1.5K	3.3K	8.2K	20K	47K	120K	330K	820K
39	100	270	680	1.8K	3.9K	10K	22K	56K	150K	390K	1M
47	120	330	820	2K	4.7K	12K	27K	68K	180K	470K	

4800P SERIES 2% SMD THICK FILM RESISTOR NETWORKS

- Specifications:**
- Maximum Operating Voltage: 50V
 - Temperature Coefficient of Resistance: 50Ω and above = ±100ppm/°C below 50Ω = ±250ppm/°C
 - Operating Temperature: -55°C to +125°C
 - Insulation Resistance: 10,000 MΩ min.
 - Dielectric Withstanding Voltage: 200VRMS
 - Package Power Rating at 70°C: 4816P: 1.28 watts
 - Resistor Tolerance: 10Ω to 49Ω = ±1Ω, 50Ω to 5MΩ = ±2%

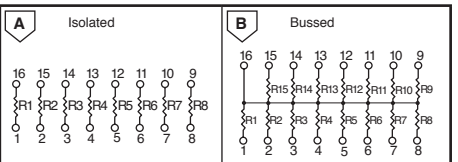


- Features:**
- Standard E.I.A. package compatible with automatic placement equipment
 - Standard Packaging 50 per tube
 - Marking on contrasting background for permanent identification
 - Compliant leads to reduce solder joint fatiguing
 - Standard electrical schematics: isolated, bussed

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each			
			1	50	100	500
652-4816P-T1LF-Value	A	16				
652-4816P-T2LF-Value	B	16				

22	82	330	8201K	3.3K	12K	39K	150K	560K
27	100	390	1.2K	3.9K	15K	47K	180K	680K
33	120	470	1.5K	4.7K	18K	56K	220K	820K
39	150	560	1.8K	5.6K	20K	68K	270K	1M
47	180	680	2K	6.8K	22K	82K	330K	
56	220	820	2.2K	8.2K	27K	100K	390K	
68	270	1K	2.7K	10K	33K	120K	470K	



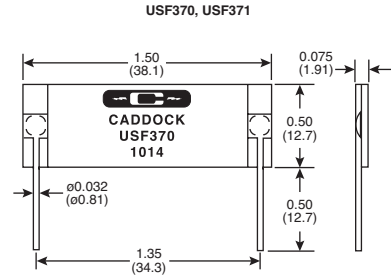
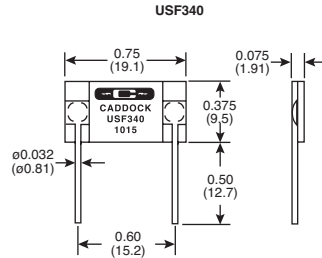
CADDOCK Precision Resistors & Voltage Divider Networks **CADDOCK**

CADDOCK USF300 SERIES: ULTRA-PRECISION LOW TEMPERATURE COEFFICIENT FILM RESISTORS

DIMENSIONS: in. (mm)

Features:

- Outstanding Long Term Stability
- Thermally Efficient Ceramic Sandwich Construction
- Voltage Coefficient: USF371, USF370 9 Meg and higher, 0.02 ppm/Volt (max.)
- Operating Temperature Range: -40°C to +85°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Caddock Part No.	Resistance	Tolerance (%)	Temperature Coefficient	Max. Continuous Voltage Rating	Power Rating (+85°C)	Price Each		
							1	10	25
684-USF340-10K	USF340-10.0K-0.01%-5ppm	10.0K	0.01%	5ppm°C	Sqrt (P*R)	0.33 W			
684-USF340-100K	USF340-100K-0.01%-5ppm	100K	0.01%	5ppm°C	Sqrt (P*R)	0.33 W			
684-USF340-1M	USF340-1.00M-0.01%-5ppm	1.00M	0.01%	5ppm°C	300 Volts	0.33 W			
684-USF340-10M	USF340-10.0M-0.01%-5ppm	10.0M	0.01%	5ppm°C	300 Volts	0.33 W			
684-USF370-1M	USF370-1.00M-0.01%-5ppm	1.00M	0.01%	5ppm°C	Sqrt (P*R)	0.75 W			
684-USF370-2M	USF370-2.00M-0.01%-5ppm	2.00M	0.01%	5ppm°C	Sqrt (P*R)	0.75 W			
684-USF370-5M	USF370-5.00M-0.01%-5ppm	5.00M	0.01%	5ppm°C	1400 Volts	0.75 W			
684-USF370-9.90M	USF370-9.90M-0.01%-5ppm	9.90M	0.01%	5ppm°C	1400 Volts	0.75 W			
684-USF370-9.99M	USF370-9.99M-0.01%-5ppm	9.99M	0.01%	5ppm°C	1400 Volts	0.75 W			
684-USF370-10M	USF370-10.0M-0.01%-5ppm	10.0M	0.01%	5ppm°C	1400 Volts	0.75 W			
684-USF371-20M	USF371-20.0M-0.01%-5ppm	20.0M	0.01%	5ppm°C	2500 Volts	0.75 W			

CADDOCK 1776 SERIES: PRECISION DECADE RESISTOR VOLTAGE DIVIDER NETWORKS

DIMENSIONS: in. (mm)

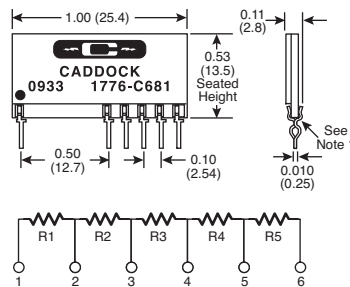
Features:

- Outstanding Long Term Stability
- Voltage Division Ratios: 10:1, 100:1, 1,000:1, 10,000:1
- Operating Temperature Range: -40°C to +85°C

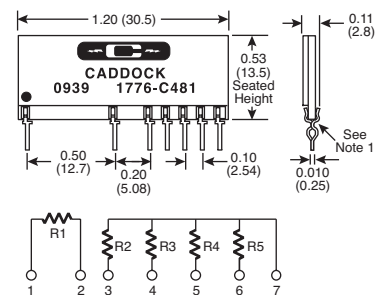
Note 1: Lead Form Detail provides interference in the circuit board hole to achieve a vertical mount of the device. Recommended circuit board hole is nominally 0.039 inch (1.00mm).



1776-C681



1776-C481



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Caddock Part No.	R1	R2	R3	R4	R5	Ratio Tolerance	Ratio Temperature Coefficient	Max. Continuous Voltage Rating	Price Each		
										1	10	25
684-1776-C681	1776-C681	9 M	900K	90K	9K	1K	0.05%	10ppm°C	1200 Volts			
684-1776-C481	1776-C481	10 M	1.1111M	101.01K	10.01K	1.0001K	0.05%	10ppm°C	1200 Volts			

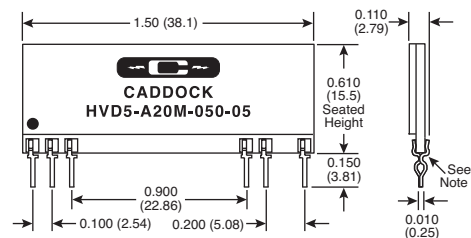
CADDOCK HVD5 SERIES: ULTRA-PRECISION VOLTAGE DIVIDERS

DIMENSIONS: in. (mm)

Features:

- Outstanding Long Term Stability
- Ratio Voltage Coefficient: 0.02 ppm/Volt
- Operating Temperature Range: -40°C to +85°C

Note 1: Lead Form Detail provides interference in the circuit board hole to achieve a vertical mount of the device. Recommended circuit board hole is nominally 0.039 inch (1.00mm).



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Caddock Part No.	R1	R2	Divider Ratio	Ratio Tolerance	Ratio Temperature Coefficient	Max. Continuous Voltage Rating	Price Each		
								1	10	25
684-HVD5-A20M	HVD5-A20M-050-05	19.98 M	20K	1,000:1	0.05%	5ppm°C	2500 Volts			
684-HVD5-B20M	HVD5-B20M-050-05	19.8 M	200K	100:1	0.05%	5ppm°C	2500 Volts			

SERIES 73MX CURRENT SENSING RESISTORS - METAL PLATE

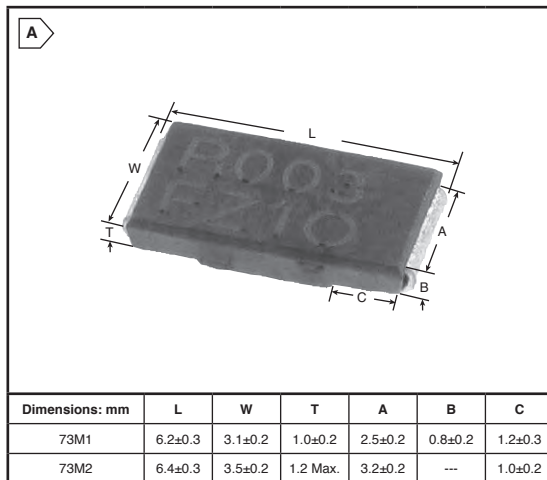
Features:

- Very Low Resistance
- Suitable for Current Limiting, Current Detection, Motor Control, Power Supply and Hard Disk Drives
- High Precision and Excellent Accuracy for Current Detection
- Good Electrical Characteristics
- Nickel Barrier Solder-Coated Pads [e3]
- Reflow capable per JEDEC J-STD-020, 260°C maximum
- Tape and Reel Packaging
- Surface Mount Package



For quantities greater than listed call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Resistor Value	Rated Wattage (Watts)	Tolerance	Price Each			
						1	10	100	500
73M1									
774-73M1R003F	73M1R003F	A	0.003Ω	1	±2%				
774-73M1R007F	73M1R007F	A	0.007Ω	1	±2%				
774-73M1R009F	73M1R009F	A	0.009Ω	1	±2%				
774-73M1R010F	73M1R010F	A	0.010Ω	1	±2%				
774-73M1R100F	73M1R100F	A	0.100Ω	1	±2%				
73M2									
774-73M2R005F	73M2R005F	A	0.005Ω	2	±1%				
774-73M2R009F	73M2R009F	A	0.009Ω	2	±1%				
774-73M2R010F	73M2R010F	A	0.010Ω	2	±1%				
774-73M2R030F	73M2R030F	A	0.030Ω	2	±1%				



Networks / Arrays

CTS provides customers with platform-based engineered components and modules and related products utilizing our expertise in RF design filtering frequency control electromechanical ceramic and ball-grid array technologies and our knowledge of customer applications.

CTS CHIP RESISTOR ARRAYS

Features:

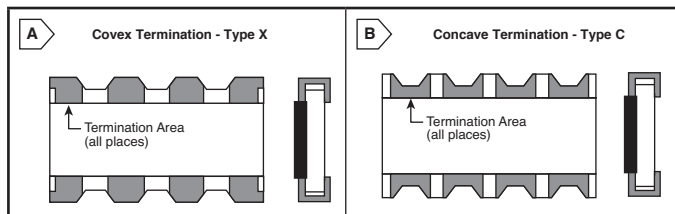
- Thick film technology
- High density packaging
- Leadless surface mount construction
- Tape and reel packaging
- Solder coated nickel barrier pads
- Operating temperature range: -55°C to +125°C



RoHS Compliant

For quantities greater than listed call for quote.

MOUSER STOCK NO.			Fig.	No. of Resistors	No. of Pads	Price Each		
Prefix	Value	Suffix				1	50	100
Convex Term								
774-740X043	Code	JP	A	2	4			
774-741X043	Code	JP	A	2	4			
774-741X083	Code	JP	A	4	8			
774-746X101	Code	JP	A	8	10			
774-741X163	Code	JP	A	8	16			
Concave Term								
774-742C043	Code	JP	B	2	4			
774-743C043	Code	JP	B	2	4			
774-744C043	Code	JP	B	2	4			
774-741C083	Code	JP	B	4	8			
774-742C083	Code	JP	B	4	8			
774-743C083	Code	JP	B	4	8			
774-744C083	Code	JP	B	4	8			
774-745C101	Code	JP	B	8	10			
774-742C163	Code	JP	B	8	16			



Standard Resistor Values and Codes									
Ohms	Code	Ohms	Code	Ohms	Code	Ohms	Code	Ohms	Code
0	000X	82	820	820K	821	10K	103	120K	124
10	100	100	101	1K	102	12K	123	150K	154
12	120	110	111	1.2K	122	15K	153	180K	184
15	150	120	121	1.5K	152	18K	183	220K	224
18	180	150	151	1.8K	182	22K	223	270K	274
22	220	180	181	2.2K	222	27K	273	330K	334
27	270	220	221	2.7K	272	33K	333	390K	394
33	330	270	271	3.3K	332	39K	393	470K	474
39	390	330	331	3.9K	392	47K	473	510K	514
47	470	390	391	4.7K	472	51K	513	560K	564
51	510	470	471	5.1K	512	56K	563	680K	684
56	560	510	511	5.6K	562	68K	683	820K	824
68	680	560	561	6.8K	682	82K	823	1M	105
75	750	680	681	8.2K	822	100K	104		

*Note: Series 745 33Ω to 470KΩ Series 746 33Ω to 100KΩ

ClearONE RT SERIES BGA TERMINATORS

Designed with a ceramic substrate this device minimizes channel capacitance a primary cause of reduced system performance. In addition the BGA package eases routing design saving the designer many hours of printed circuit layout.

Compact PCI Features:

- Ultra low I/O coupling
- Slim BGA package
- 10 Ω Trimmable resistance to 5%
- 1% Resistor tolerance

DDR SDRAM Features:

- Compliant to JEDEC std. 8-9A
- Excellent high frequency performance
- Slim BGA package
- Low channel capacitance

For quantities greater than listed call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Bits	Value (Ω)		Array Size	Pitch (mm)	Price Each			
				R1	R2			1	10	100	500
Compact PCI											
774-RT1201B7TR7	RT1201B7TR7	A	32	10	-	4 x 16	1.00				
DDR SDRAM											
774-RT1404B7TR7	RT1404B7TR7	B	18	25	-	4 x 9	1.00				
774-RT1400B7TR7	RT1400B7TR7	C	18	50	25	3 x 9	1.00				
774-RT1402B7TR7	RT1402B7TR7	D	18	50	-	3 x 9	1.00				

CTS THRU HOLE SIP RESISTOR NETWORKS

Compact PCI Features:

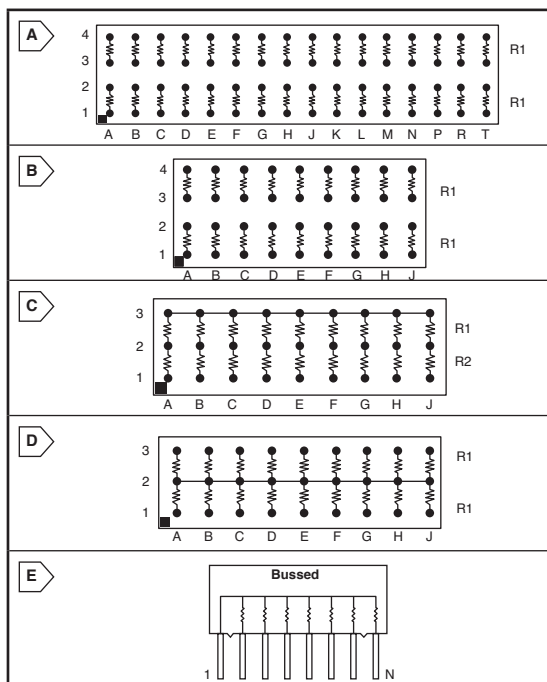
- High-reliability cermet resistors
- Space saving over individual resistors
- 2.54mm / .100in. pin spacing
- Operating temperature: -55°C to +125°C



RoHS Compliant

For quantities greater than listed call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Value (Ω)	Tolerance	No. of Pins	Price Each			
						1	10	100	500
774-770101103P	770101103P	E	10K	2%	10				
774-770101472P	770101472P	E	4.7K	2%	10				



KOA 0402, 0603, 0805, 1206 - 5% SMD Resistor Array



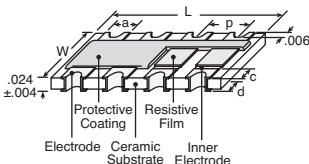
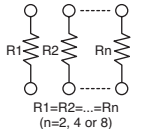
RoHS Compliant This product is RoHS compliant.

KOA SPEER 5% CONCAVE TERMINATION RESISTOR ARRAYS

Features:

- Manufactured to type RK73 standards
- Less board space than individual chips
- Isolated resistor elements
- Marking: Marked with resistance value
- Tolerance: 5%
- Operating temperature range: -55°C to +150°C

Circuit Schematic



Size Code	DIMENSIONS: in. (mm)					
	L	W	C	d	a	p (ref.)
1J2	.063±.006 (1.6±0.15)					
1J4	.126±.008 (3.2±0.2)	.063±.006 (1.6±0.15)	.012±.006 (0.3±0.15)	.016±.006 (0.4±0.15)	.020±.006 (0.5±0.15)	.031 (0.8)
1J8	.252±.008 (6.4±0.2)					

Size Code	DIMENSIONS: in. (mm)					
	L	W	C	d	a	p (ref.)
2A2	0.1±.008 (2.54±0.2)					
2A4	0.2±.008 (5.08±0.2)	.079±.008 (2.0±0.2)	.016±.006 (0.4±0.2)			
2A8	0.4±.008 (10.16±0.2)					
2B2	0.1±.008 (2.54±0.2)			.022±.006 (.055±0.15)	.031 (0.8)	.050 (1.27)
2B4	0.2±.008 (5.08±0.2)	.126±.008 (3.2±0.2)	.020±.012 (0.5±0.3)			
2B8	0.4±.008 (10.16±0.2)					

MOUSER STOCK NO.	Value (Ω)	No. of Resistors	Element Size	No. of Leads	Price Each				Reel Qty.	Price Per Piece
					1	100	500	1000		
660-CN1J2TTD100J	10	2	603	4					5000	
660-CN1J2TTD330J	33	2	603	4					5000	
660-CN1J2TTD331J	330	2	603	4					5000	
660-CN1J2TTD104J	100K	2	603	4					5000	
660-CN1J4TTD100J	10	4	603	8					5000	
660-CN1J4TTD150J	15	4	603	8					5000	
660-CN1J4TTD200J	20	4	603	8					5000	
660-CN1J4TTD220J	22	4	603	8					5000	
660-CN1J4TTD240J	24	4	603	8					5000	
660-CN1J4TTD270J	27	4	603	8					5000	
660-CN1J4TTD330J	33	4	603	8					5000	
660-CN1J4TTD390J	39	4	603	8					5000	
660-CN1J4TTD470J	47	4	603	8					5000	
660-CN1J4TTD510J	51	4	603	8					5000	
660-CN1J4TTD560J	56	4	603	8					5000	
660-CN1J4TTD680J	68	4	603	8					5000	
660-CN1J4TTD750J	75	4	603	8					5000	
660-CN1J4TTD820J	82	4	603	8					5000	
660-CN1J4TTD101J	100	4	603	8					5000	
660-CN1J4TTD151J	150	4	603	8					5000	
660-CN1J4TTD221J	220	4	603	8					5000	
660-CN1J4TTD331J	330	4	603	8					5000	
660-CN1J4TTD471J	470	4	603	8					5000	
660-CN1J4TTD561J	560	4	603	8					5000	
660-CN1J4TTD681J	680	4	603	8					5000	
660-CN1J4TTD102J	1K	4	603	8					5000	
660-CN1J4TTD222J	2.2K	4	603	8					5000	
660-CN1J4TTD272J	2.7K	4	603	8					5000	
660-CN1J4TTD332J	3.3K	4	603	8					5000	
660-CN1J4TTD472J	4.7K	4	603	8					5000	
660-CN1J4TTD562J	5.6K	4	603	8					5000	
660-CN1J4TTD103J	10K	4	603	8					5000	
660-CN1J4TTD153J	15K	4	603	8					5000	
660-CN1J4TTD203J	20K	4	603	8					5000	

MOUSER STOCK NO.	Value (Ω)	No. of Resistors	Element Size	No. of Leads	Price Each				Reel Qty.	Price Per Piece
					1	100	500	1000		
660-CN1J4TTD223J	22K	4	603	8					5000	
660-CN1J4TTD333J	33K	4	603	8					5000	
660-CN1J4TTD473J	47K	4	603	8					5000	
660-CN1J4TTD104J	100K	4	603	8					5000	
660-CN1J4TTD105J	1M	4	603	8					5000	
660-CN1J8TTE220J	22	8	603	16					4000	
660-CN1J8TTE330J	33	8	603	16					4000	
660-CN1J8TTE470J	47	8	603	16					4000	
660-CN1J8TTE510J	51	8	603	16					4000	
660-CN1J8TTE101J	100	8	603	16					4000	
660-CN1J8TTE221J	220	8	603	16					4000	
660-CN1J8TTE331J	330	8	603	16					4000	
660-CN1J8TTE471J	470	8	603	16					4000	
660-CN1J8TTE102J	1K	8	603	16					4000	
660-CN1J8TTE472J	4.7K	8	603	16					4000	
660-CN1J8TTE103J	10K	8	603	16					4000	
660-CN1J8TTE104J	100K	8	603	16					4000	
660-CN2A4TTE220J	22	4	805	8					4000	
660-CN2A4TTE330J	33	4	805	8					4000	
660-CN2A4TTE101J	100	4	805	8					4000	
660-CN2A4TTE471J	470	4	805	8					4000	
660-CN2A4TTE102J	1K	4	805	8					4000	
660-CN2A4TTE472J	4.7K	4	805	8					4000	
660-CN2A4TTE103J	10K	4	805	8					4000	
660-CN2B4TTE220J	22	4	1206	8					4000	
660-CN2B4TTE330J	33	4	1206	8					4000	
660-CN2B4TTE101J	100	4	1206	8					4000	
660-CN2B4TTE331J	330	4	1206	8					4000	
660-CN2B4TTE103J	10K	4	1206	8					4000	
660-CN2B4TTE222J	2.2K	4	1206	8					4000	
660-CN2B4TTE472J	4.7K	4	1206	8					4000	
660-CN2B4TTE473J	47K	4	1206	8					4000	
660-CN2B4TTE104J	100K	4	1206	8					4000	

KOA SPEER 5% CONVEX TERMINATION RESISTOR ARRAYS

Features:

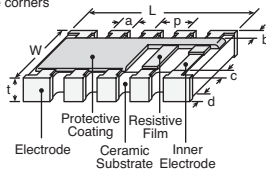
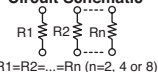
- Manufactured to type RK73 standards
- Less board space than individual chips
- Isolated resistor elements
- Convex terminators with square corners
- Marking: Body color black
- 1E no marking
- 1J white three-digit marking

Specifications:

- TCR: ±200
- Power Rating: 63mW
- Resistance Tolerance: 5%
- Operating Temperature Range: -55°C to +125°C

RoHS Compliant

Circuit Schematic



Size Code	DIMENSIONS: in. (mm)							
	L	W	C	d	t	a (ref.)	b (ref.)	p (ref.)
1E2K	.039±.004 (1.0±0.1)			.011±.006 (0.3±0.16)		.014±.004 (.035±0.1)	.007±.002 (0.17±0.05)	.026±.004 (0.67±0.1)
1E4K	.079±.004 (2.0±0.1)	.039±.004 (1.0±0.1)	.006±.004 (0.15±0.1)	.010±.004 (0.25±0.1)	.014 (.35)	0.12±.004 (0.3±0.1)	.006±.004 (0.15±0.1)	.020 (0.5)
1J2K	.063±.006 (1.6±0.15)	.063±.006 (1.6±0.15)	.012±.008 (0.3±0.2)	.010±.004 (0.25±0.1)	.020 (0.5)	.020 (0.5)	.012 (0.3)	0.31 (0.8)
1J4K	.126±.008 (3.2±0.15)							

MOUSER STOCK NO.	Value (Ω)	No. of Resistors	Element Size	No. of Leads	Price Each				Reel Qty.	Price Per Piece
					1	100	500	1000		
660-CN1E2KTTD100J	10	2	402	4					10000	
660-CN1E2KTTD220J	22	2	402	4					10000	
660-CN1E2KTTD240J	24	2	402	4					10000	
660-CN1E2KTTD330J	33	2	402	4					10000	
660-CN1E2KTTD390J	39	2	402	4					10000	
660-CN1E2KTTD430J	43	2	402	4					10000	
660-CN1E2KTTD510J	51	2	402	4					10000	
660-CN1E2KTTD560J	56	2	402	4					10000	
660-CN1E2KTTD820J	82	2	402	4					10000	
660-CN1E2KTTD101J	100	2	402	4					10000	
660-CN1E2KTTD111J	110	2	402	4					10000	
660-CN1E2KTTD161J	160	2	402	4					10000	
660-CN1E2KTTD181J	180	2	402	4					10000	
660-CN1E2KTTD201J	200	2	402	4					10000	
660-CN1E2KTTD271J	270	2	402	4					10000	
660-CN1E2KTTD511J	510	2	402	4					10000	
660-CN1E2KTTD102J	1K	2	402	4					10000	
660-CN1E2KTTD202J	2K	2	402	4					10000	
660-CN1E2KTTD392J	3.9K	2	402	4					10000	
660-CN1E2KTTD432J	4.3K	2	402	4					10000	
660-CN1E2KTTD472J	4.7K	2	402	4					10000	
660-CN1E2KTTD103J	10K	2	402	4					10000	
660-CN1E2KTTD104J	100K	2	402	4					10000	
660-CN1E4KTTD100J	10	4	402	8					10000	
660-CN1E4KTTD220J	22	4	402	8					10000	
660-CN1E4KTTD240J	24	4	402	8					10000	
660-CN1E4KTTD270J	27	4	402	8					10000	
660-CN1E4KTTD330J	33	4	402	8					10000	
660-CN1E4KTTD390J	39	4	402	8					10000	

MOUSER STOCK NO.	Value (Ω)	No. of Resistors	Element Size	No. of Leads	Price Each				Reel Qty.	Price Per Piece
					1	100	500	1000		
660-CN1E4KTTD470J	47	4	402	8					10000	
660-CN1E4KTTD510J	51	4	402	8					10000	
660-CN1E4KTTD560J	56	4	402	8					10000	
660-CN1E4KTTD620J	62	4	402	8					10000	
660-CN1E4KTTD680J	68	4	402	8					10000	
660-CN1E4KTTD101J	100	4	402	8					10000	
660-CN1E4KTTD121J	120	4	402	8					10000	
660-CN1E4KTTD221J	220	4	402	8					10000	
660-CN1E4KTTD241J	240	4	402	8					10000	
660-CN1E4KTTD331J	330	4	402	8					10000	
660-CN1E4KTTD102J	1K	4	402	8					10000	
660-CN1E4KTTD222J	2.2K	4								

PANASONIC Chip Resistor Arrays

Panasonic



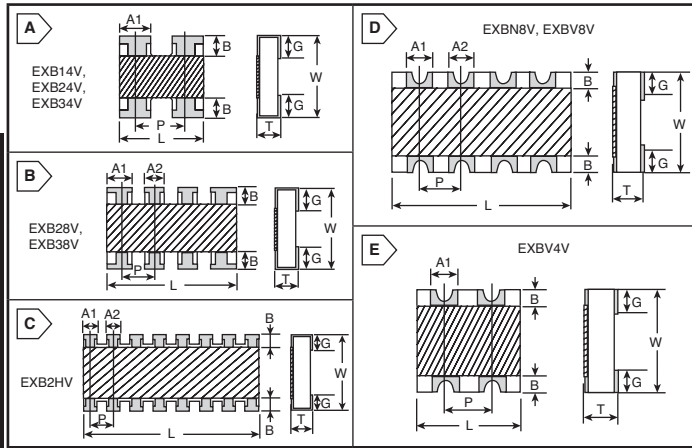
This product is RoHS compliant.

PANASONIC THICK FILM CONVEX AND CONCAVE TERMINATION CHIP RESISTOR ARRAYS

For quantities greater than listed, call for quote.

Features:

- Operating Temperature Range: -55°C to +125°C
- Improvement of placement efficiency
- High density
- Tolerance: 5%



Type (inches)	DIMENSIONS: mm								
	L	W	T	A1	A2	B	P	G	
EXB14V (0201x2)	0.80±0.10	0.60±0.10	0.35±0.10	0.35±0.10	---	0.15±0.10	0.50	0.15±0.10	
EXB24V (0402x2)	1.00±0.10	1.00±0.10	0.35±0.10	0.40±0.10	---	0.18±0.10	0.65	0.25±0.10	
EXB28V (0402x4)	2.00±0.10	1.00±0.10	0.35±0.10	0.45±0.10	0.35±0.10	0.20±0.10	0.50	0.25±0.10	
EXB2HV (0402x8)	3.80±0.10	1.60±0.10	0.45±0.10	0.35±0.10	0.35±0.10	0.30±0.10	0.50	0.30±0.10	
EXB24V (0603x2)	1.60±0.20	1.60±0.15	0.50±0.10	0.65±0.15	---	0.30±0.20	0.80	0.30±0.20	
EXB38V (0603x4)	3.20±0.20	1.60±0.15	0.50±0.10	0.65±0.15	0.45±0.15	0.30±0.20	0.80	0.35±0.20	
EXBN8V (0402x4)	2.00±0.10	1.00±0.10	0.45±0.10	0.30±0.10	0.30±0.10	0.20±0.15	0.50	0.30±0.15	
EXBV4V (0603x2)	1.60±0.20	1.60±0.10	0.60±0.10	0.60±0.10	---	0.30±0.15	0.80	0.45±0.15	
EXBV8V (0603x4)	3.20±0.20	1.60±0.10	0.60±0.10	0.60±0.10	0.60±0.10	0.30±0.15	0.80	0.45±0.15	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Ω)	No. of Terminals	No. of Resistors	Price Each		
						1	100	500
EXB1 Series Convex Termination Chip Resistor Arrays - 0201 Case Size								
667-EXB-14V100JX	EXB-14V100JX	A	10	4	2			
667-EXB-14V330JX	EXB-14V330JX	A	33	4	2			
667-EXB-14V470JX	EXB-14V470JX	A	47	4	2			
667-EXB-14V680JX	EXB-14V680JX	A	68	4	2			
667-EXB-14V221JX	EXB-14V221JX	A	220	4	2			
667-EXB-14V331JX	EXB-14V331JX	A	330	4	2			
667-EXB-14V471JX	EXB-14V471JX	A	470	4	2			
667-EXB-14V681JX	EXB-14V681JX	A	680	4	2			
667-EXB-14V222JX	EXB-14V222JX	A	2.2K	4	2			
667-EXB-14V332JX	EXB-14V332JX	A	3.3K	4	2			
667-EXB-14V472JX	EXB-14V472JX	A	4.7K	4	2			
667-EXB-14V682JX	EXB-14V682JX	A	6.8K	4	2			
667-EXB-14V223JX	EXB-14V223JX	A	22K	4	2			
667-EXB-14V333JX	EXB-14V333JX	A	33K	4	2			
667-EXB-14V473JX	EXB-14V473JX	A	47K	4	2			
667-EXB-14V683JX	EXB-14V683JX	A	68K	4	2			
667-EXB-14V104JX	EXB-14V104JX	A	100K	4	2			
667-EXB-14V224JX	EXB-14V224JX	A	220K	4	2			
667-EXB-14V334JX	EXB-14V334JX	A	330K	4	2			
667-EXB-14V474JX	EXB-14V474JX	A	470K	4	2			
667-EXB-14V684JX	EXB-14V684JX	A	680K	4	2			
667-EXB-14V105JX	EXB-14V105JX	A	1M	4	2			
EXB2 Series Convex Termination Chip Resistor Arrays - 0402 Case Size								
667-EXB-24V1R0JX	EXB-24V1R0JX	A	1	4	2			
667-EXB-24V2R2JX	EXB-24V2R2JX	A	2.2	4	2			
667-EXB-24V3R3JX	EXB-24V3R3JX	A	3.3	4	2			
667-EXB-24V4R7JX	EXB-24V4R7JX	A	4.7	4	2			
667-EXB-24V6R8JX	EXB-24V6R8JX	A	6.8	4	2			
667-EXB-24V220JX	EXB-24V220JX	A	22	4	2			
667-EXB-24V680JX	EXB-24V680JX	A	68	4	2			
667-EXB-24V271JX	EXB-24V271JX	A	270	4	2			
667-EXB-24V331JX	EXB-24V331JX	A	330	4	2			
667-EXB-24V471JX	EXB-24V471JX	A	470	4	2			
667-EXB-24V681JX	EXB-24V681JX	A	680	4	2			
667-EXB-24V102JX	EXB-24V102JX	A	1K	4	2			
667-EXB-24V272JX	EXB-24V272JX	A	2.7K	4	2			
667-EXB-24V472JX	EXB-24V472JX	A	4.7K	4	2			
667-EXB-24V682JX	EXB-24V682JX	A	6.8K	4	2			
667-EXB-24V223JX	EXB-24V223JX	A	22K	4	2			
667-EXB-24V273JX	EXB-24V273JX	A	27K	4	2			
667-EXB-24V333JX	EXB-24V333JX	A	33K	4	2			
667-EXB-24V683JX	EXB-24V683JX	A	68K	4	2			
667-EXB-24V104JX	EXB-24V104JX	A	100K	4	2			
667-EXB-24V224JX	EXB-24V224JX	A	220K	4	2			
667-EXB-24V274JX	EXB-24V274JX	A	270K	4	2			
667-EXB-24V334JX	EXB-24V334JX	A	330K	4	2			
667-EXB-24V684JX	EXB-24V684JX	A	680K	4	2			
667-EXB-24V105JX	EXB-24V105JX	A	1M	4	2			
667-EXB-28VR000X	EXB-28VR000X	B	0	8	4			
667-EXB-28V1R0JX	EXB-28V1R0JX	B	1	8	4			
667-EXB-28V2R2JX	EXB-28V2R2JX	B	2.2	8	4			
667-EXB-28V3R3JX	EXB-28V3R3JX	B	3.3	8	4			

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Ω)	No. of Terminals	No. of Resistors	Price Each		
						1	100	500
EXB2 Series Convex Termination Chip Resistor Arrays - 0402 Case Size (Cont.)								
667-EXB-28V6R8JX	EXB-28V6R8JX	B	6.8	8	4			
667-EXB-28V101JX	EXB-28V101JX	B	100	8	4			
667-EXB-28V221JX	EXB-28V221JX	B	220	8	4			
667-EXB-28V681JX	EXB-28V681JX	B	680	8	4			
667-EXB-28V472JX	EXB-28V472JX	B	4.7K	8	4			
667-EXB-28V223JX	EXB-28V223JX	B	22K	8	4			
667-EXB-28V273JX	EXB-28V273JX	B	27K	8	4			
667-EXB-28V683JX	EXB-28V683JX	B	68K	8	4			
667-EXB-28V104JX	EXB-28V104JX	B	100K	8	4			
667-EXB-28V224JX	EXB-28V224JX	B	220K	8	4			
667-EXB-28V274JX	EXB-28V274JX	B	270K	8	4			
667-EXB-28V334JX	EXB-28V334JX	B	330K	8	4			
667-EXB-28V684JX	EXB-28V684JX	B	680K	8	4			
667-EXB-2HV2R2JV	EXB-2HV2R2JV	C	2.2	16	8			
667-EXB-2HV3R3JV	EXB-2HV3R3JV	C	3.3	16	8			
667-EXB-2HV4R7JV	EXB-2HV4R7JV	C	4.7	16	8			
667-EXB-2HV6R8JV	EXB-2HV6R8JV	C	6.8	16	8			
667-EXB-2HV472JV	EXB-2HV472JV	C	4.7K	16	8			
667-EXB-2HV223JV	EXB-2HV223JV	C	22K	16	8			
667-EXB-2HV333JV	EXB-2HV333JV	C	33K	16	8			
667-EXB-2HV224JV	EXB-2HV224JV	C	220K	16	8			
667-EXB-2HV474JV	EXB-2HV474JV	C	470K	16	8			
667-EXB-2HV684JV	EXB-2HV684JV	C	680K	16	8			
667-EXB-2HV105JV	EXB-2HV105JV	C	1M	16	8			
EXB3 Series Convex Termination Chip Resistor Arrays - 0603 Case Size								
667-EXB-34V1R0JV	EXB-34V1R0JV	A	1	4	2			
667-EXB-34V2R2JV	EXB-34V2R2JV	A	2.2	4	2			
667-EXB-34V3R3JV	EXB-34V3R3JV	A	3.3	4	2			
667-EXB-34V4R7JV	EXB-34V4R7JV	A	4.7	4	2			
667-EXB-34V6R8JV	EXB-34V6R8JV	A	6.8	4	2			
667-EXB-34V100JV	EXB-34V100JV	A	10	4	2			
667-EXB-34V680JV	EXB-34V680JV	A	68	4	2			
667-EXB-34V331JV	EXB-34V331JV	A	330	4	2			
667-EXB-34V102JV	EXB-34V102JV	A	1K	4	2			
667-EXB-34V682JV	EXB-34V682JV	A	6.8K	4	2			
667-EXB-34V223JV	EXB-34V223JV	A	22K	4	2			
667-EXB-34V333JV	EXB-34V333JV	A	33K	4	2			
667-EXB-34V224JV	EXB-34V224JV	A	220K	4	2			
667-EXB-34V334JV	EXB-34V334JV	A	330K	4	2			
667-EXB-34V474JV	EXB-34V474JV	A	470K	4	2			
667-EXB-34V684JV	EXB-34V684JV	A	680K	4	2			
667-EXB-34V105JV	EXB-34V105JV	A	1M	4	2			
667-EXB-38V1R0JV	EXB-38V1R0JV	B	1	8	4			
667-EXB-38V2R2JV	EXB-38V2R2JV	B	2.2	8	4			
667-EXB-38V3R3JV	EXB-38V3R3JV	B	3.3	8	4			
667-EXB-38V6R8JV	EXB-38V6R8JV	B	6.8	8	4			
667-EXB-38V680JV	EXB-38V680JV	B	68	8	4			
667-EXB-38V471JV	EXB-38V471JV	B	470	8	4			
667-EXB-38V684JV	EXB-38V684JV	B	680K	8	4			
667-EXB-38V105JV	EXB-38V105JV	B	1M	8	4			
EXBN Series Concave Termination Chip Resistor Arrays - 0402 Case Size								
667-EXB-N8V1R0JX	EXB-N8V1R0JX	D	1	8	4			
667-EXB-N8V2R2JX	EXB-N8V2R2JX	D	2.2	8	4			
667-EXB-N8V3R3JX	EXB-N8V3R3JX	D	3.3	8	4			
667-EXB-N8V220JX	EXB-N8V220JX	D	22	8	4			
667-EXB-N8V470JX	EXB-N8V470JX	D	47	8	4			
667-EXB-N8V680JX	EXB-N8V680JX	D	68	8	4			
667-EXB-N8V471JX	EXB-N8V471JX	D	470	8	4			
667-EXB-N8V681JX	EXB-N8V681JX	D	680	8	4			
667-EXB-N8V102JX	EXB-N8V102JX	D	1K	8	4			
667-EXB-N8V332JX	EXB-N8V332JX	D	3.3K	8	4			
667-EXB-N8V472JX	EXB-N8V472JX	D	4.7K	8	4			
667-EXB-N8V682JX	EXB-N8V682JX	D	6.8K	8	4			
667-EXB-N8V103JX	EXB-N8V103JX							

PANASONIC Chip Resistor Arrays

Panasonic



This product is RoHS compliant.

PANASONIC EXB18V SERIES THICK FILM FLAT TERMINATION CHIP RESISTOR ARRAYS

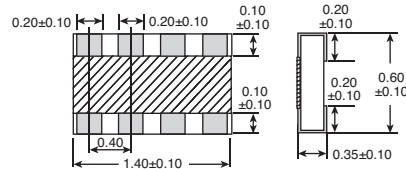
DIMENSIONS: mm

Features:

- Operating Temperature Range: -55°C to +125°C
- High density
- Improvement of placement efficiency
- Tolerance: 5%
- 0201 Case Size
- 4 Resistor/8 Terminal

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (Ω)	Price Each		
			1	100	500
667-EXB-18VR000X	EXB-18VR000X	0			
667-EXB-18V100JX	EXB-18V100JX	10			
667-EXB-18V220JX	EXB-18V220JX	22			
667-EXB-18V330JX	EXB-18V330JX	33			
667-EXB-18V470JX	EXB-18V470JX	47			
667-EXB-18V680JX	EXB-18V680JX	68			
667-EXB-18V101JX	EXB-18V101JX	100			
667-EXB-18V221JX	EXB-18V221JX	220			
667-EXB-18V331JX	EXB-18V331JX	330			
667-EXB-18V471JX	EXB-18V471JX	470			
667-EXB-18V681JX	EXB-18V681JX	680			
667-EXB-18V102JX	EXB-18V102JX	1K			
667-EXB-18V332JX	EXB-18V332JX	3.3K			
667-EXB-18V472JX	EXB-18V472JX	4.7K			
667-EXB-18V682JX	EXB-18V682JX	6.8K			
667-EXB-18V103JX	EXB-18V103JX	10K			



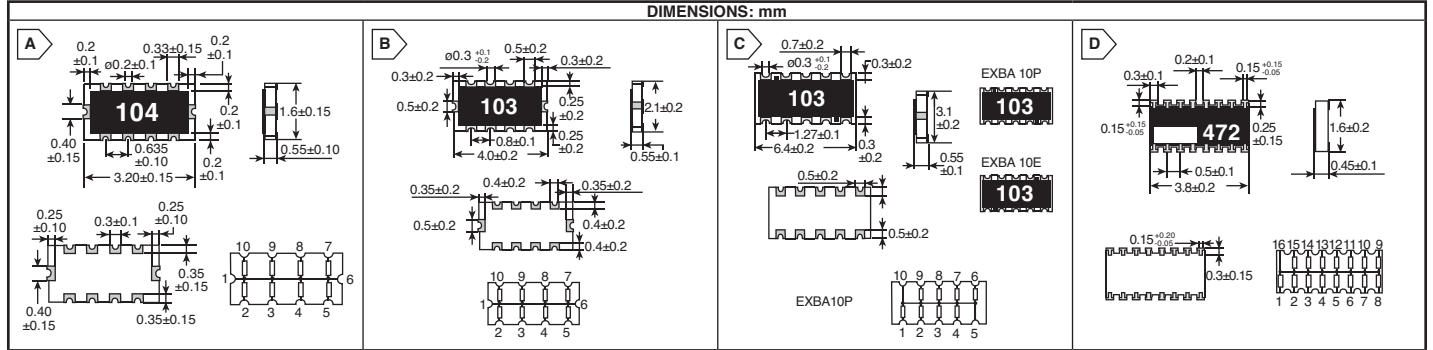
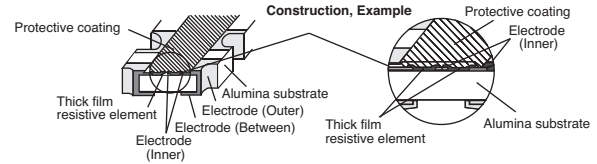
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (Ω)	Price Each		
			1	100	500
667-EXB-18V223JX	EXB-18V223JX	22K			
667-EXB-18V333JX	EXB-18V333JX	33K			
667-EXB-18V473JX	EXB-18V473JX	47K			
667-EXB-18V683JX	EXB-18V683JX	68K			
667-EXB-18V104JX	EXB-18V104JX	100K			
667-EXB-18V224JX	EXB-18V224JX	220K			
667-EXB-18V334JX	EXB-18V334JX	330K			
667-EXB-18V474JX	EXB-18V474JX	470K			
667-EXB-18V684JX	EXB-18V684JX	680K			
667-EXB-18V105JX	EXB-18V105JX	1M			

PANASONIC THICK FILM CHIP RESISTOR NETWORKS

Features:

- High density placing for digital signal circuits. Bussed 8 or 15 resistors for pull up/down circuits.
- EXBD: 3.2mm, 1.6mm, 0.55mm, 0.635mm pitch. Available direct placing on the bus line by means of half pitch spacing without through-holes on PWB. ("High density placing" is shown below)
- High speed mounting using conventional placing machine
- Operating Temperature Range: -55°C to +125°C
- Tolerance: 5%



For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Ω)	No. of Terminals	No. of Resistors	Price Each		
						1	100	500
EXBD Series - 1206 Case Size								
667-EXB-D10C470J	EXB-D10C470J	A	47	10	8			
667-EXB-D10C680J	EXB-D10C680J	A	68	10	8			
667-EXB-D10C101J	EXB-D10C101J	A	100	10	8			
667-EXB-D10C331J	EXB-D10C331J	A	330	10	8			
667-EXB-D10C471J	EXB-D10C471J	A	470	10	8			
667-EXB-D10C681J	EXB-D10C681J	A	680	10	8			
667-EXB-D10C682J	EXB-D10C682J	A	6.8K	10	8			
667-EXB-D10C223J	EXB-D10C223J	A	22K	10	8			
667-EXB-D10C333J	EXB-D10C333J	A	33K	10	8			
667-EXB-D10C683J	EXB-D10C683J	A	68K	10	8			
667-EXB-D10C104J	EXB-D10C104J	A	100K	10	8			
667-EXB-D10C224J	EXB-D10C224J	A	220K	10	8			
667-EXB-D10C334J	EXB-D10C334J	A	330K	10	8			
667-EXB-D10C474J	EXB-D10C474J	A	470K	10	8			
667-EXB-D10C684J	EXB-D10C684J	A	680K	10	8			
667-EXB-D10C105J	EXB-D10C105J	A	1M	10	8			
EXBE Series - 1608 Case Size								
667-EXB-E10C470J	EXB-E10C470J	B	47	10	8			
667-EXB-E10C680J	EXB-E10C680J	B	68	10	8			
667-EXB-E10C101J	EXB-E10C101J	B	100	10	8			
667-EXB-E10C221J	EXB-E10C221J	B	220	10	8			
667-EXB-E10C471J	EXB-E10C471J	B	470	10	8			
667-EXB-E10C681J	EXB-E10C681J	B	680	10	8			
667-EXB-E10C102J	EXB-E10C102J	B	1K	10	8			
667-EXB-E10C222J	EXB-E10C222J	B	2.2K	10	8			
667-EXB-E10C682J	EXB-E10C682J	B	6.8K	10	8			
667-EXB-E10C223J	EXB-E10C223J	B	22K	10	8			
667-EXB-E10C333J	EXB-E10C333J	B	33K	10	8			
667-EXB-E10C473J	EXB-E10C473J	B	47K	10	8			
667-EXB-E10C683J	EXB-E10C683J	B	68K	10	8			
667-EXB-E10C224J	EXB-E10C224J	B	220K	10	8			
667-EXB-E10C334J	EXB-E10C334J	B	330K	10	8			
667-EXB-E10C474J	EXB-E10C474J	B	470K	10	8			
667-EXB-E10C684J	EXB-E10C684J	B	680K	10	8			
667-EXB-E10C105J	EXB-E10C105J	B	1M	10	8			
EXBA Series - 2512 Case Size								
667-EXB-A10P470J	EXB-A10P470J	C	47	10	8			
667-EXB-A10P680J	EXB-A10P680J	C	68	10	8			

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Ω)	No. of Terminals	No. of Resistors	Price Each		
						1	100	500
EXBA Series - 2512 Case Size (Cont.)								
667-EXB-A10P101J	EXB-A10P101J	C	100	10	8			
667-EXB-A10P221J	EXB-A10P221J	C	220	10	8			
667-EXB-A10P331J	EXB-A10P331J	C	330	10	8			
667-EXB-A10P681J	EXB-A10P681J	C	680	10	8			
667-EXB-A10P102J	EXB-A10P102J	C	1K	10	8			
667-EXB-A10P222J	EXB-A10P222J	C	2.2K	10	8			
667-EXB-A10P332J	EXB-A10P332J	C	3.3K	10	8			
667-EXB-A10P682J	EXB-A10P682J	C	6.8K	10	8			
667-EXB-A10P223J	EXB-A10P223J	C	22K	10	8			
667-EXB-A10P333J	EXB-A10P333J	C	33K	10	8			
667-EXB-A10P683J	EXB-A10P683J	C	68K	10	8			
667-EXB-A10P104J	EXB-A10P104J	C	100K	10	8			
667-EXB-A10P224J	EXB-A10P224J	C	220K	10	8			
667-EXB-A10P334J	EXB-A10P334J	C	330K	10	8			
667-EXB-A10P474J	EXB-A10P474J	C	470K	10	8			
667-EXB-A10P684J	EXB-A10P684J	C	680K	10	8			
667-EXB-A10P105J	EXB-A10P105J	C	1M	10	8			
EXBQ Series - 1506 Case Size								
667-EXB-Q16P101J	EXB-Q16P101J	D	100	16	15			
667-EXB-Q16P221J	EXB-Q16P221J	D	220	16	15			
667-EXB-Q16P331J	EXB-Q16P331J	D	330	16	15			
667-EXB-Q16P471J	EXB-Q16P471J	D	470	16	15			
667-EXB-Q16P681J	EXB-Q16P681J	D	680	16	15			
667-EXB-Q16P102J	EXB-Q16P102J	D	1K	16	15			
667-EXB-Q16P222J	EXB-Q16P222J	D	2.2K	16	15			
667-EXB-Q16P332J	EXB-Q16P332J	D	3.3K	16	15			
667-EXB-Q16P472J	EXB-Q16P472J	D	4.7K	16	15			
667-EXB-Q16P682J	EXB-Q16P682J	D	6.8K	16	15			
667-EXB-Q16P103J	EXB-Q16P103J	D	10K	16	15			
667-EXB-Q16P223J	EXB-Q16P223J	D	22K	16	15			
667-EXB-Q16P333J	EXB-Q16P333J	D	33K	16	15			
667-EXB-Q16P473J	EXB-Q16P473J	D	47K	16	15			
667-EXB-Q16P683J	EXB-Q16P683J	D	68K	16	15			
667-EXB-Q16P104J	EXB-Q16P104J	D	100K	16	15			
667-EXB-Q16P224J	EXB-Q16P224J	D	220K	16	15			
667-EXB-Q16P334J	EXB-Q16P334J	D	330K	16	15			
667-EXB-Q16P474J	EXB-Q16P474J	D	470K	16	15			

SUSUMU Metal Film Chip Network Resistors

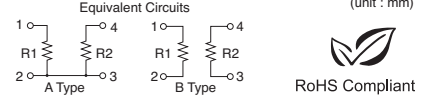
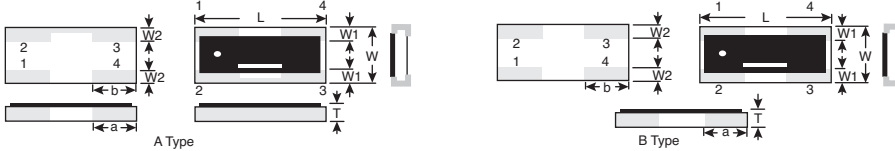


RoHS Compliant This product is RoHS compliant.

RM SERIES METAL FILM CHIP NETWORK RESISTORS

Features:

- Ultra accuracy: relative resistance tolerance $\pm 0.01\%$, relative TCR $\pm 1\text{ppm}/^\circ\text{C}$
- Ultra reliability: 10,000 hours of $85^\circ\text{C}/85\text{RH}$ test or 10,000 of 155°C high temperature exposure test causes less than $\pm 0.1\%$ resistance drift



Dimension (Inch Size)	RM2012 (0805)	RM3216 (1206)
L	2.0 \pm 0.2	3.2 \pm 0.2
W	1.25 \pm 0.2	1.6 \pm 0.2
W1	0.4 \pm 0.2	0.4 \pm 0.25
W2	0.35 \pm 0.2	0.4 \pm 0.2
a	0.5 \pm 0.2	1.0 \pm 0.25
b	0.6 \pm 0.2	1.0 \pm 0.2
T	0.4 \pm 0.1	0.4 \pm 0.1

(unit : mm)

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Susumu Part No.	Value Ω		Temp Coef.	Tolerance	Circuit	Price Each				Reel Qty.	Price Per Piece
		R1	R2				1	10	100	500		
2012 Case Size, 25V												
754-RM2012A102/102PB	RM2012A-102/102-PBVW10	1K	1K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A102/103PB	RM2012A-102/103-PBVW10	1K	10K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A102/202PB	RM2012A-102/202-PBVW10	1K	2K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A102/203PB	RM2012A-102/203-PBVW10	1K	20K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A102/302PB	RM2012A-102/302-PBVW10	1K	3K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A102/402PB	RM2012A-102/402-PBVW10	1K	4K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A102/502PB	RM2012A-102/502-PBVW10	1K	5K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A102/602PB	RM2012A-102/602-PBVW10	1K	6K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A102/902PB	RM2012A-102/902-PBVW10	1K	9K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A103/103PB	RM2012A-103/103-PBVW10	10K	10K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A103/104PB	RM2012A-103/104-PBVW10	10K	100K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A103/203PB	RM2012A-103/203-PBVW10	10K	20K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A103/303PB	RM2012A-103/303-PBVW10	10K	30K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A103/403PB	RM2012A-103/403-PBVW10	10K	40K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A103/503PB	RM2012A-103/503-PBVW10	10K	50K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A103/603PB	RM2012A-103/603-PBVW10	10K	60K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A103/903PB	RM2012A-103/903-PBVW10	10K	90K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A104/104PB	RM2012A-104/104-PBVW10	100K	100K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A202/103PB	RM2012A-202/103-PBVW10	2K	10K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012A202/203PB	RM2012A-202/203-PBVW10	2K	20K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM2012B102/102PB	RM2012B-102/102-PBVW10	1K	1K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B102/103PB	RM2012B-102/103-PBVW10	1K	10K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B102/202PB	RM2012B-102/202-PBVW10	1K	2K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B102/203PB	RM2012B-102/203-PBVW10	1K	20K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B102/302PB	RM2012B-102/302-PBVW10	1K	3K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B102/402PB	RM2012B-102/402-PBVW10	1K	4K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B102/502PB	RM2012B-102/502-PBVW10	1K	5K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B102/602PB	RM2012B-102/602-PBVW10	1K	6K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B102/902PB	RM2012B-102/902-PBVW10	1K	9K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B103/103PB	RM2012B-103/103-PBVW10	10K	10K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B103/104PB	RM2012B-103/104-PBVW10	10K	100K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B103/203PB	RM2012B-103/203-PBVW10	10K	20K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B103/303PB	RM2012B-103/303-PBVW10	10K	30K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B103/403PB	RM2012B-103/403-PBVW10	10K	40K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B103/503PB	RM2012B-103/503-PBVW10	10K	50K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B103/603PB	RM2012B-103/603-PBVW10	10K	60K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B103/903PB	RM2012B-103/903-PBVW10	10K	90K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B104/104PB	RM2012B-104/104-PBVW10	100K	100K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B202/103PB	RM2012B-202/103-PBVW10	2K	10K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM2012B202/203PB	RM2012B-202/203-PBVW10	2K	20K	25ppm/5ppm	0.1%/0.05%	B					1000	
3216 Case Size, 50V												
754-RM3216A102/102PB	RM3216A-102/102-PBVW10	1K	1K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A102/103PB	RM3216A-102/103-PBVW10	1K	10K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A102/202PB	RM3216A-102/202-PBVW10	1K	2K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A102/203PB	RM3216A-102/203-PBVW10	1K	20K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A102/302PB	RM3216A-102/302-PBVW10	1K	3K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A102/402PB	RM3216A-102/402-PBVW10	1K	4K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A102/502PB	RM3216A-102/502-PBVW10	1K	5K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A102/602PB	RM3216A-102/602-PBVW10	1K	6K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A102/902PB	RM3216A-102/902-PBVW10	1K	9K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A103/103PB	RM3216A-103/103-PBVW10	10K	10K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A103/104PB	RM3216A-103/104-PBVW10	10K	100K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A103/203PB	RM3216A-103/203-PBVW10	10K	20K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A103/303PB	RM3216A-103/303-PBVW10	10K	30K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A103/403PB	RM3216A-103/403-PBVW10	10K	40K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A103/503PB	RM3216A-103/503-PBVW10	10K	50K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A103/603PB	RM3216A-103/603-PBVW10	10K	60K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A103/903PB	RM3216A-103/903-PBVW10	10K	90K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A104/104PB	RM3216A-104/104-PBVW10	100K	100K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A202/103PB	RM3216A-202/103-PBVW10	2K	10K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A202/203PB	RM3216A-202/203-PBVW10	2K	20K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216A202/403PB	RM3216A-202/403-PBVW10	2K	40K	25ppm/5ppm	0.1%/0.05%	A					1000	
754-RM3216B102/102PB	RM3216B-102/102-PBVW10	1K	1K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B102/103PB	RM3216B-102/103-PBVW10	1K	10K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B102/104PB	RM3216B-102/104-PBVW10	2K	40K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B102/202PB	RM3216B-102/202-PBVW10	1K	2K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B102/402PB	RM3216B-102/402-PBVW10	1K	4K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B102/502PB	RM3216B-102/502-PBVW10	1K	5K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B102/602PB	RM3216B-102/602-PBVW10	1K	6K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B102/902PB	RM3216B-102/902-PBVW10	1K	9K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B103/103PB	RM3216B-103/103-PBVW10	10K	10K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B103/104PB	RM3216B-103/104-PBVW10	10K	100K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B103/203PB	RM3216B-103/203-PBVW10	10K	20K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B103/303PB	RM3216B-103/303-PBVW10	10K	30K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B103/403PB	RM3216B-103/403-PBVW10	10K	40K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B103/503PB	RM3216B-103/503-PBVW10	10K	50K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B103/603PB	RM3216B-103/603-PBVW10	10K	60K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B103/903PB	RM3216B-103/903-PBVW10	10K	90K	25ppm/5ppm	0.1%/0.05%	B					1000	
754-RM3216B104/												

VISHAY/THIN FILM RESISTOR NETWORKS



VSSR AND VSOR SERIES- DUAL IN-LINE RESISTOR NETWORKS - THIN FILM NITRIDE ON SILICON

Features:

- Surface mount compatible
- TCR-Absolute: -55°C to +125°C
- Choice of package sizes: VTSR (TSSOP) JEDEC MC-153, VSSR (SSOP or QSOP) JEDEC MS-137, VSOR (SOIC narrow) JEDEC MS-012
- Moisture sensitivity level 1 (per IPC/JEDEC STD-20C)

Application for Resistors with one Pin Common/Bussed:

- MOS/ROM Pull-up/Pull-down
- TTL Input Pull-down
- Open Collector Pull-up
- Digital Pulse Squaring
- TTL Unused Gate Pull-up
- Power Driven Pull-up
- High Speed Parallels Pull-up

Applications for Isolated Resistors:

- Power Driven Pull-up
- LED Current Limiting
- Powergate Pull-up
- ECL Output Pull-down
- Line Termination
- TTL Input Pull-down

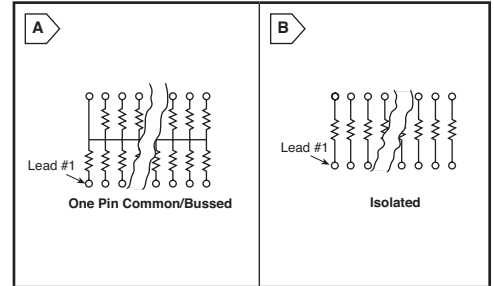
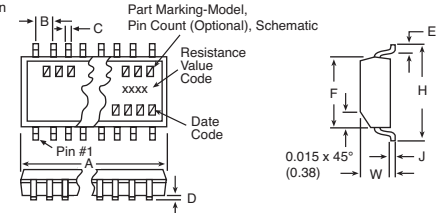


RoHS Compliant

Model	A			B (Ref.)	C (Ref.)	D	E (Typ.)	F	H	J (Ref.)	W
	16 Pin	20 Pin	24 Pin								
VSSR-xxxx (In.)	0.193 ± 0.004	0.341 ± 0.003	0.341 ± 0.003	0.025	0.01	0.006	0.025	0.154 ± 0.003	0.236 ± 0.008	0.01	0.064 ± 0.005
VSSR-xxxx (mm)	4.90 ± 0.10	8.66 ± 0.08	8.66 ± 0.08	0.64	0.25	0.15	0.64	3.91 ± 0.08	5.99 ± 0.20	0.25	1.63 ± 0.13
VSOR-xxxx (In.)	0.390 ± 0.010	NA	NA	0.05	0.016	0.008	0.03	0.152 ± 0.003	0.236 ± 0.005	0.008	0.064 ± 0.005
VSOR-xxxx (mm)	9.91 ± 0.25	NA	NA	1.27	0.41	0.2	0.76	3.86 ± 0.08	5.99 ± 0.13	0.2	1.63 ± 0.13

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	No. of Pins	Value Ω	Tolerance	Price Each			
						1	25	50	100
71-VSOR1601102JT	VSOR1601102JT	A	16	1K	5%				
71-VSOR1601472JT	VSOR1601472JT	A	16	4.7K	5%				
71-VSOR1601103JT	VSOR1601103JT	A	16	10K	5%				
71-VSOR1603103GT	VSOR1603103GT	B	16	10K	2%				
71-VSSR1601472JT	VSSR1601472JT	A	16	4.7K	5%				
71-VSSR1601103JT	VSSR1601103JT	A	16	10K	5%				
71-VSSR1603100JT	VSSR1603100JT	B	16	10	5%				
71-VSSR1603330JT	VSSR1603330JT	B	16	33	5%				
71-VSSR1603102JT	VSSR1603102JT	B	16	1K	5%				
71-VSSR1603472JT	VSSR1603472JT	B	16	4.7K	5%				
71-VSSR1603103JT	VSSR1603103JT	B	16	10K	5%				
71-VSSR2001472JT	VSSR2001472JT	A	20	4.7K	5%				
71-VSSR2001103GT	VSSR2001103GT	A	20	10K	2%				
71-VSSR2001103JT	VSSR2001103JT	A	20	10K	5%				
71-VSSR2401102JT	VSSR2401102JT	A	24	1K	5%				
71-VSSR2401103JT	VSSR2401103JT	A	24	10K	5%				



Networks / Arrays Vishay

VSORC AND VSSRC SERIES-T-FILTER AND TERMINATION RESISTOR/CAPACITOR NETWORKS - THIN FILM NITRIDE ON SILICON

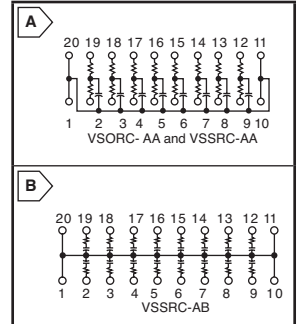
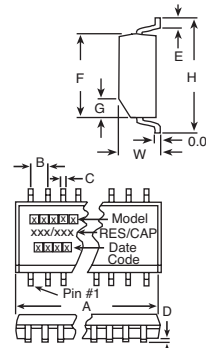


RoHS Compliant

Model	A	B (Ref.)	C (Ref.)	D	E (Typ.)	F	G	H	J (Ref.)	W
VSSRC20-AB (In.)	.344 Max.	.025	.01	.006	.025	.154 ± 0.003	.015 x 45°	.236 ± 0.008	.01	.064 ± 0.005
VSSRC20-AB (mm)	8.74 Max.	.64	.25	.15	.64	3.9	.38	6.0 ± 0.20	.25	1.60
VSORC20-AB (In.)	.500 ± 0.10	.05	.016	.008	.03	.293 ± 0.003	.025 x 45°	.406 ± 0.005	.01	.100 ± 0.005
VSORC20-AB (mm)	12.7 ± 0.25	1.27	.41	.20	.76	7.44	0.64	10.31	.25	2.59

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	No. of Pins	Value Ω	Tolerance	Price Each			
						1	25	50	100
71-VSORC20250K/500M	VSORC20AA250K/500M	A	20	25Ω/50pF	20%				
71-VSORC20470K/330M	VSSRC20AB470K/330M	B	20	47Ω/33pF	20%				



MPM SERIES - MOLDED, SOT-23 RESISTOR NETWORKS / DIVIDERS

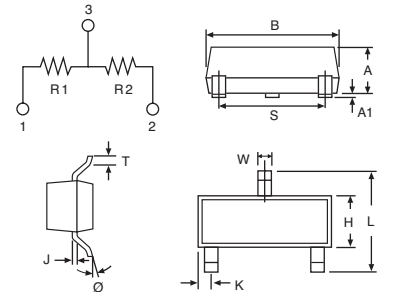
Specifications:

- TCR: Tracking ± 2ppm/°C (typical) Absolute ± 25ppm/°C
- Tolerance: Ratio ± 0.5% to ± 0.01% Absolute ± 1.0% to ± 0.05%
- Power Rating: Resistor 100mW; Package 200mW
- Working Voltage: 100 Volts Max.
- Operating Temperature Range: - 55°C to + 125°C
- Shelf Life Stability (Ratio): 50ppm Max., 1 year @ + 25°C



RoHS Compliant

MOUSER STOCK NO.	Vishay Part No.	Value Ω		Ratio R2:R1	Tolerance	Ratio Tol.	Price Each			
		R1	R2				1	10	25	50
Networks										
71-MPMT1001FW	MPMT1001FWS	1K	1K	1:1	1%	0.5%				
71-MPMT2001AT	MPMT2001AT5	2K	2K	1:1	0.1%	0.1%				
71-MPMT2001BW	MPMT2001BWS	2K	2K	1:1	0.1%	0.1%				
71-MPMT5001AW	MPMT5001AWS	5K	5K	1:1	0.1%	0.1%				
71-MPMT1002AT5	MPMT1002AT5	10K	10K	1:1	0.1%	0.1%				
71-MPMT1002BW	MPMT1002BWS	10K	10K	1:1	0.1%	0.1%				
71-MPMT1002DW	MPMT1002DWS	10K	10K	1:1	0.5%	0.1%				
71-MPMT2002AT	MPMT2002AT5	20K	20K	1:1	0.1%	0.1%				
Dividers										
71-MPMT1001/1002AW	MPMT1001/1002AWS	1K	10K	10:1	0.1%	0.1%				
71-MPMT1001/2002AW	MPMT1001/2002AWS	1K	20K	20:1	0.1%	0.1%				
71-MPMT1001/5002CW	MPMT1001/5002CWS	1K	50K	50:1	0.25%	0.1%				
71-MPMT1001/1003AW	MPMT1001/1003AWS	1K	100K	100:1	0.1%	0.1%				
71-MPMT2001/1002AW	MPMT2001/1002AWS	2K	10K	5:1	0.1%	0.1%				
71-MPMT5001/1002BT	MPMT5001/1002BTS	5K	10K	2:1	0.1%	0.1%				
71-MPMT5001/1002DW	MPMT5001/1002DWS	5K	10K	2:1	0.5%	0.1%				
71-MPMT5001/1002FW	MPMT5001/1002FWS	5K	10K	2:1	1%	0.5%				



	DIMENSIONS: in. (mm)			
	Minimum		Maximum	
	in.	(mm)	in.	(mm)
A	0.031	(0.79)	0.04	(1.02)
A1	0.001	(0.02)	0.004	(0.1)
B	0.105	(2.67)	0.12	(3.05)
S	0.071	(1.8)	0.079	(2)
W	0.015	(0.38)	0.021	(0.54)
L	0.083	(2.1)	0.098	(2.5)
H	0.047	(1.2)	0.055	(1.4)
T	0.005	(0.13)	0.01	(0.25)
J	0.0035	(0.089)	0.0059	(0.15)
K	0.017	(0.44)	0.022	(0.55)
Ø	0	(0)	8°	(8°)

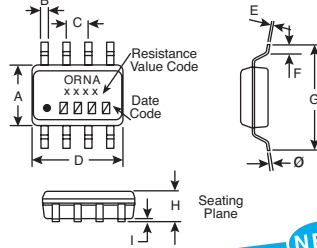
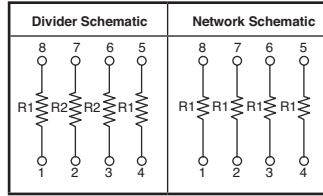
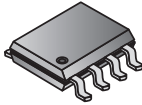
VISHAY High Precision Resistor Network and Arrays



VISHAY/THIN FILM HTRN, ORN AND ORNA SERIES - DUAL-IN-LINE HIGH TEMPERATURE/ HIGH PRECISION RESISTOR NETWORKS & DIVIDERS

Common Features:

- Low temperature coefficient (± 25 ppm/ $^{\circ}$ C)
- 0.068" (1.73 mm) maximum seated height
- Rugged molded case construction with no internal solder
- Standard 8 pin JEDEC MS-012 footprint
- Halogen-free



DIMENSIONS		
	in.	mm
A	0.157	3.99
B	0.0165 \pm 0.0025	0.4 \pm 0.06
C	0.050	1.27
D	0.195 Max.	4.93
E	0.008 \pm 0.001	0.20 \pm 0.03
F	0.028 \pm 0.001	0.71 \pm 0.02
G	0.239 \pm 0.005	6.07 \pm 0.13
H	0.068 Max.	1.73
I	0.008 \pm 0.002	0.22 \pm 0.06
ϕ	2" to 6"	



Networks / Arrays

Vishay

Resistor Networks

MOUSER STOCK NO.	Vishay Part No.	Value Ω		Ratio Tolerance	Price Each				
		R1	R2		1	10	25	50	100
71-HTRN2-1T5	HTRN2-1T5	10K	5K	2:1					
71-HTRN4-1T5	HTRN4-1T5	4K	1K	4:1					
71-HTRN5-1T5	HTRN5-1T5	10K	2K	5:1					
71-HTRN10-1T5	HTRN10-1T5	10K	1K	10:1					
71-HTRN20-1T5	HTRN20-1T5	20K	1K	20:1					
71-HTRN25-1T5	HTRN25-1T5	25K	1K	25:1					
71-HTRN50-1T5	HTRN50-1T5	50K	1K	50:1					
71-HTRN100-1T5	HTRN100-1T5	100K	1K	100:1					

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω		Ratio Tolerance	Price Each				
		R1	R2		1	10	25	50	100
71-ORN2A1001AUF	ORN2A1001AUF	1K	0.1%	0.1%					
71-ORN2A1001FUF	ORN2A1001FUF	1K	1%	0.5%					
71-ORN2A1001ZUF	ORN2A1001ZUF	1K	0.1%	0.025%					
71-ORN2A1002AUF	ORN2A1002AUF	10K	0.1%	0.1%					
71-ORN2A1002BUF	ORN2A1002BUF	10K	0.1%	0.1%					
71-ORN2A1002ZUF	ORN2A1002ZUF	10K	0.1%	0.025%					
71-ORN2A1003ZUF	ORN2A1003ZUF	100K	0.1%	0.025%					
71-ORN2A2001AUF	ORN2A2001AUF	2K	0.1%	0.1%					
71-ORN2A2002BUF	ORN2A2002BUF	20K	0.1%	0.1%					
71-ORN2A2002ZUF	ORN2A2002ZUF	20K	0.1%	0.025%					
71-ORN2A5000AUF	ORN2A5000AUF	500	0.1%	0.1%					
71-ORN2A5001DUF	ORN2A5001DUF	5K	0.5%	0.1%					
71-ORN2A5001ZUF	ORN2A5001ZUF	5K	0.1%	0.025%					
71-ORN2A5002AUF	ORN2A5002AUF	50K	0.1%	0.1%					

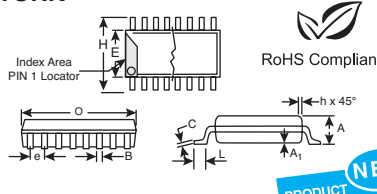
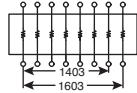
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω		Ratio Tolerance	Price Each				
		R1	R2		1	10	25	50	100
71-ORN2A2-1UF	ORN2A2-1UF	10K	5K	2:1					
71-ORN2A5-1UF	ORN2A5-1UF	10K	2K	5:1					
71-ORN2A10-1UF	ORN2A10-1UF	10K	1K	10:1					
71-ORN2A50-1UF	ORN2A50-1UF	50K	1K	50:1					
71-ORN2A100-1UF	ORN2A100-1UF	100K	1K	100:1					

VISHAY/THIN FILM MOLDED DUAL-IN-LINE RESISTOR NETWORK NOMCA SERIES PRECISION AUTOMOTIVE

Features:

- Rugged molded case construction
- Excellent long term ratio stability
- Low TCR tracking ± 5 ppm/ $^{\circ}$ C
- AEC-Q200 qualified
- Tolerance: 0.1%
- Ratio Tolerance: 0.05%



DIM	14		16	
	in.	mm	in.	mm
H	0.235	5.969	0.235	5.969
E	0.154	3.911	0.154	3.910
O	0.340	8.363	0.390	9.906
A	0.063	1.600	0.063	1.600
e	0.050	1.270	0.050	1.270
B	0.015	0.381	0.015	0.381
C	0.008	0.203	0.008	0.203
L	0.025	0.635	0.025	0.635
A ¹	0.006	0.152	0.006	0.152
h	0.015	0.381	0.015	0.381

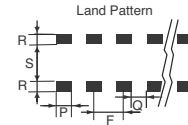
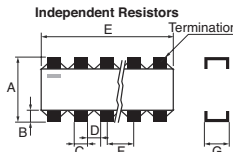
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	No. of Pins	Value (Ω)	Price Each				
				1	10	25	50	100
71-NOMCA14031001ATS	NOMCA14031001ATS	14	1K					
71-NOMCA14032001ATS	NOMCA14032001ATS	14	2K					
71-NOMCA14035001ATS	NOMCA14035001ATS	14	5K					
71-NOMCA14031002ATS	NOMCA14031002ATS	14	10K					
71-NOMCA14032002ATS	NOMCA14032002ATS	14	20K					
71-NOMCA14035002ATS	NOMCA14035002ATS	14	50K					

VISHAY/SFERNICE PRA 100, 182 SERIES HIGH PRECISION RESISTOR ARRAYS

Features:

- 100mW Resistor
- Packaged in waffle - Tape and reel available
- High stability passivated nichrome resistive layer 0.02% on ratio 1000h at Pn at 70 $^{\circ}$ C
- Tight TCR (10 ppm/ $^{\circ}$ C) and TCR tracking (to 1ppm/ $^{\circ}$ C)
- Very low noise <35dB and voltage coefficient <0.1ppm/V
- Ratio tolerance from .1% to .01% ($R \geq 20R$)
- Pre-tinned terminations over nickel barrier
- Also available: One common point N Resistor
- Absolute Tolerance: .1%
- Ratio Tolerance: .05%



MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each			
			1	25	50	100
71-PRA100I2-1KBWN	PRA100I2-1KBWN	1K				
71-PRA100I2-5KBWN	PRA100I2-5KBWN	5K				
71-PRA100I2-10KBWN	PRA100I2-10KBWN	10K				
71-PRA100I2-50KBWN	PRA100I2-50KBWN	50K				
71-PRA100I2-100KBWN	PRA100I2-100KBWN	100K				
71-PRA100I4-1KBWN	PRA100I4-1KBWN	1K				
71-PRA100I4-5KBWN	PRA100I4-5KBWN	5K				
71-PRA100I4-10KBWN	PRA100I4-10KBWN	10K				
71-PRA100I4-50KBWN	PRA100I4-50KBWN	50K				
71-PRA100I4-100KBWN	PRA100I4-100KBWN	100K				
71-PRA182I2-1KBWN	PRA182I2-1KBWN	1K				
71-PRA182I2-10KBWN	PRA182I2-10KBWN	10K				
71-PRA182I2-100KBWN	PRA182I2-100KBWN	100K				
71-PRA182I4-1KBWN	PRA182I4-1KBWN	1K				
71-PRA182I4-10KBWN	PRA182I4-10KBWN	10K				

DIM	PRA 100		PRA 182	
	mm	mil	mm	mil
A	1.6 \pm 0.1	63	3 \pm 0.1	118
B	.4 \pm 0.2	16	.4 \pm 0.2	16
C	.65 \pm 0.15	25.5	1.3 \pm 0.35	51
D	.25	10	.25	10
E	E=(NXF) \pm 2mm		E=(NXF) \pm 8mil	
F	1	40	1.82	72
G	.38 \pm 0.02/0	15	.38 \pm 0.02/0	15
P	.7	27.5	1.52	59.8
Q	.3	12	.3	12
R	1	40	1	40
S	.6	23.5	1.8	70.8

MDP SERIES - 2% THICK FILM MOLDED DIP RESISTOR NETWORKS

- Features:**
- Dual-in-line, molded DIP
 - .160" [4.06mm] maximum seated height
 - Rugged, molded case construction
 - Low temperature coefficient (-55°C to +125°C) ±100ppm/°C

- Electrical Specifications:**
- Tolerance: ±2% standard
 - Temperature coefficient: -55°C to +125°C



RoHS Compliant

4 Digit Resistance Value Chart = First 3 digits are significant figures and the last digit specifies the number of zeroes to follow. Example: 1002 = 10K, 10R0 = 10ohm

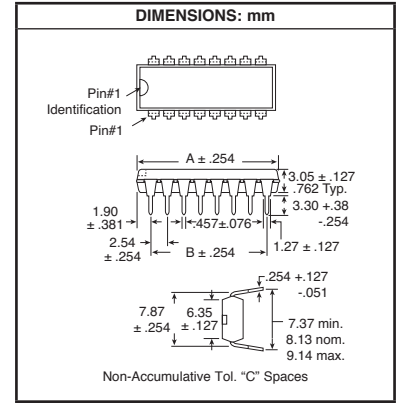
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each			
			1	25	100	200
71-MDP1401(Value)GE04	A	14				
71-MDP1403(Value)GE04	A	14				
71-MDP1601(Value)GE04	B	16				
71-MDP1603(Value)GE04	B	16				



TYPE	Dimension A (mm)	Dimension B (mm)	C
MDP14	19.05	15.24	6
MDP16	21.59	17.78	7

Resistance Value Chart (Ω)					
22	150	1K	5.6K	39K	330K
27	180	1.2K	6.8K	47K	390K
33	200	1.5K	8.2K	51K	470K
39	220	1.8K	10K	68K	510K
47	270	2K	12K	82K	560K
51	330	2.2K	15K	100K	680K
56	390	2.7K	18K	120K	820K
68	470	3.3K	20K	150K	1M
82	510	3.9K	22K	180K	
100	560	4.7K	27K	200K	
120	680	5.1K	33K	220K	

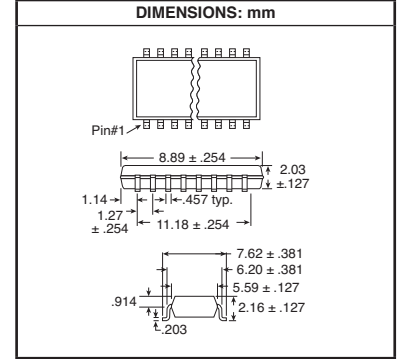


SOMC SERIES - 2% THICK FILM MOLDED, SURFACE MOUNT COMPATIBLE

- Features:**
- .050" [1.27mm] lead spacing
 - .090" [2.29mm] maximum seated height
 - Highly stable thick film
 - Low temperature coefficient (-55°C to +125°C) ±100ppm/°C
 - Reduces total assembly costs
 - Wide resistance range available
 - Uniform performance characteristics
 - Meets EIA PDP100, SOGN-0002 outline dimensions

- Electrical Specifications:**
- Resistance range: 10ohm to 1 Megohm standard. Zero ohm jumpers available.
 - Tolerance: ±1%, ±5%, ±10%, ±20% available.
 - Temperature coefficient: (-55°C to +125°C) ±100ppm/°C typical
 - Resistor power rating: 70°C max.
 - 01 Schematics = .080W; 03 Schematic = .160W
 - Operating temperature range: -55°C to +125°C

Available in 14 and 20 pin style, additional resistance values, in isolated and bussed styles.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Values (Ω)	Price Each				
				1	50	100	200	500
71-SOMC1601-Value	A	16	22, 470, 1K, 2.2K, 10K, 22K, 47K					
71-SOMC1603-Value	B	16	22, 33, 47, 100, 220, 330, 1K, 2.2K, 4.7K, 10K, 100K					

CSC SERIES - 2% CONFORMAL COATED SIP THICK FILM RESISTOR NETWORKS

- Features:**
- .195 (4.95mm) "A"
 - "A" profile standard in 6 thru 10 pins
- Specifications:**
- Operating temperature range: -55°C to +125°C
 - Temperature coefficient of resistance: (-55°C to +125°C) ±100ppm/°C typical
 - Operating voltage: 100VDC max.
 - Resistor power rating: (max. @ +70°C) fig. A .125W, fig. B .20W

Bussed/One Pin Common Configuration

For quantities greater than listed, call for quote.

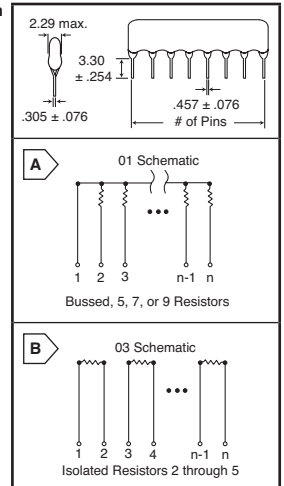
MOUSER STOCK NO.	Fig.	Value (Ω)	Power Dissipation		No. of Pins (N)	No. of Res.	Price Each			
			Per Circuit	Total Pkg. (Max.)			1	100	200	500
71-CSC06A01-Value	A	220, 330, 560, 680, 1.0K, 1.5K, 2.2K, 3.3K, 4.7K, 6.8K, 10K, 22K, 47K, 56K, 100K, 220K, 330K, 1.0M	.125	.75	6	5				
71-CSC08A01-Value	A	330, 470, 1.0K, 2.2K, 3.3K, 4.7K, 10K, 22K, 33K, 47K, 100K	.125	1	8	7				
71-CSC10A01-Value	A	100, 200, 220, 330, 470, 560, 1.0K, 1.5K, 2.2K, 3.3K, 4.7K, 10K, 20K, 22K, 33K, 47K, 56K, 100K, 470K, 1.0M	.125	1.25	10	9				

Isolated Configuration

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Power Dissipation		No. of Pins (N)	No. of Res.	Price Each			
			Per Circuit	Total Pkg. (Max.)			1	100	200	500
71-CSC06A03-Value	B	100, 150, 220, 470, 1.0K, 2.2K, 4.7K, 10K, 100K	.2	.75	6	3				
71-CSC08A03-Value	B	47, 100, 150, 220, 330, 470, 680, 1.0K, 1.5K, 2.2K, 3.3K, 4.7K, 10K, 22K, 47K, 68K, 100K, 150K, 200K, 470K	.2	1	8	4				
71-CSC10A03-Value	B	22, 47, 100, 220, 470, 1.0K, 3.3K, 4.7K, 5.6K, 10K, 100K, 1.0M	.2	1.25	10	5				

DIMENSIONS: mm



VISHAY BEYCHLAG PRECISION/PROFESSIONAL THIN FILM CHIP RESISTOR ARRAYS

ACAS SERIES CONVEX TERMINATION

- Applications:**
- Voltage divider
 - Feedback circuits
 - Signal conditioning

Precision

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value 1 (Ω)	Value 2 (Ω)	No. of Resistors	Element Size	No. of Leads	Temp. Coeff.	Tol.	Price Each				
									1	50	100	500	1000
594-ACASA2002E2002P1	ACASA2002E2002P100	20K	20K	4	0612	8	25ppm	0.25%					
594-ACASA1003E1003P1	ACASA1003E1003P100	100K	100K	4	0612	8	25ppm	0.25%					

Precision Automotive Grade

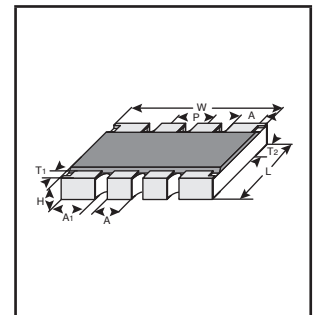
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value 1 (Ω)	Value 2 (Ω)	No. of Resistors	Element Size	No. of Leads	Temp. Coeff.	Tol.	Price Each				
									1	50	100	500	1000
594-ACASA1001E1001P1AT	ACASA1001E1001P1AT	1K	1K	4	0612	8	25ppm	0.25%					
594-ACASA1001E1002AT	ACASA1001E1002P1AT	1K	10K	4	0612	8	25ppm	0.25%					
594-ACASA1002E1002AT	ACASA1002E1002P1AT	10K	10K	4	0612	8	25ppm	0.25%					
594-ACASA1003E1003AT	ACASA1003E1003P1AT	100K	100K	4	0612	8	25ppm	0.25%					

Professional

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value 1 (Ω)	Value 2 (Ω)	No. of Resistors	Element Size	No. of Leads	Temp. Coeff.	Tol.	Price Each				
									1	50	100	500	1000
594-ACASA200122001P1	ACASA200122001P100	2K	2K	4	0612	8	50ppm	0.5%					
594-ACASA200222002P1	ACASA200222002P100	20K	20K	4	0612	8	50ppm	0.5%					
594-ACASA500225002P1	ACASA500225002P100	50K	50K	4	0612	8	50ppm	0.5%					
594-ACASA100321003P1	ACASA100321003P100	100K	100K	4	0612	8	50ppm	0.5%					



BOURNS High Power Current Sense Chip Resistors **BOURNS®**

PWR263 SERIES POWER RESISTORS

Bourns® PWR263 Series is a TO263 DPAK style power resistor. Manufactured using thick film on alumina ceramic technology, it is used in current measurement, snubber, bleeder and discharge circuits.

Specifications:

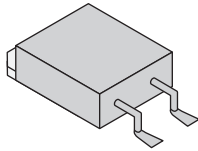
- Power rating @ 25°C case temp.: 20W
- TCR 0.5Ω-°C-130.0KΩ: ±100 PPM/°C
- Inductance: 0.1μH max.
- Operating voltage: √P·R with a max. of 250V
- Insulation resistance: 10GΩ
- Operating temp.: -55°C to 155°C

Applications:

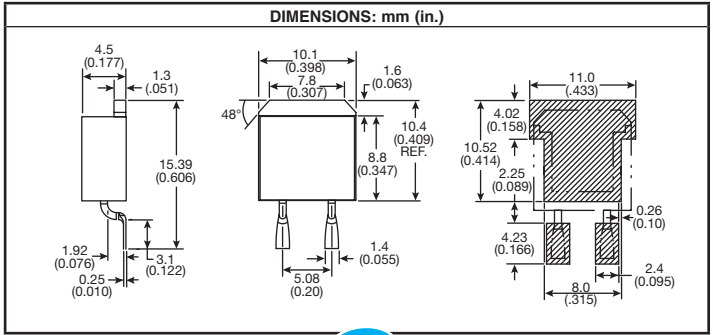
- Power supplies
- Motor drives
- Test and measurement
- Rectifiers

Features:

- DPAK Housing
- Low inductance
- Resistor electrically isolated from backplate
- High power rating
- Compatible with lead free solder reflow temps
- RoHS Compliant



RoHS Compliant



PRODUCT NEW

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Power	Tol.	Value (ohms)	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
652	PWR263S-20-R500F	20	1%	0.5				
652	PWR263S-20-R500J	20	5%	0.5				
652	PWR263S-20-R750F	20	1%	0.75				
652	PWR263S-20-R750J	20	5%	0.75				
652	PWR263S-20-1R00F	20	1%	1.0				
652	PWR263S-20-1R00J	20	5%	1.0				
652	PWR263S-20-1R50F	20	1%	1.5				
652	PWR263S-20-1R50J	20	5%	1.5				
652	PWR263S-20-2R00F	20	1%	2.0				
652	PWR263S-20-2R00J	20	5%	2.0				
652	PWR263S-20-2R50F	20	1%	2.5				
652	PWR263S-20-2R50J	20	5%	2.5				
652	PWR263S-20-3R00F	20	1%	3.0				
652	PWR263S-20-3R00J	20	5%	3.0				
652	PWR263S-20-3R30F	20	1%	3.3				
652	PWR263S-20-3R30J	20	5%	3.3				
652	PWR263S-20-4R70F	20	1%	4.7				
652	PWR263S-20-4R70J	20	5%	4.7				
652	PWR263S-20-5R60F	20	1%	5.6				
652	PWR263S-20-5R60J	20	5%	5.6				
652	PWR263S-20-7R50F	20	1%	7.5				
652	PWR263S-20-7R50J	20	5%	7.5				
652	PWR263S-20-10R0F	20	1%	10				
652	PWR263S-20-10R0J	20	5%	10				
652	PWR263S-20-12R0F	20	1%	12				
652	PWR263S-20-12R0J	20	5%	12				
652	PWR263S-20-15R0F	20	1%	15				
652	PWR263S-20-15R0J	20	5%	15				
652	PWR263S-20-20R0F	20	1%	20				
652	PWR263S-20-20R0J	20	5%	20				
652	PWR263S-20-27R0F	20	1%	27				
652	PWR263S-20-27R0J	20	5%	27				
652	PWR263S-20-30R0F	20	1%	30				
652	PWR263S-20-30R0J	20	5%	30				
652	PWR263S-20-33R0F	20	1%	33				
652	PWR263S-20-33R0J	20	5%	33				
652	PWR263S-20-47R0F	20	1%	47				
652	PWR263S-20-47R0J	20	5%	47				
652	PWR263S-20-56R0F	20	1%	56				
652	PWR263S-20-56R0J	20	5%	56				
652	PWR263S-20-75R0F	20	1%	75				
652	PWR263S-20-75R0J	20	5%	75				
652	PWR263S-20-1000F	20	1%	100				
652	PWR263S-20-1000J	20	5%	100				
652	PWR263S-20-3300F	20	1%	330				
652	PWR263S-20-3300J	20	5%	330				
652	PWR263S-20-4700F	20	1%	470				
652	PWR263S-20-4700J	20	5%	470				
652	PWR263S-20-1001F	20	1%	1K				
652	PWR263S-20-1001J	20	5%	1K				

MOUSER STOCK NO.		Power	Tol.	Value (ohms)	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
652	PWR263S-20-3301F	20	1%	3.3K				
652	PWR263S-20-3301J	20	5%	3.3K				
652	PWR263S-20-1002F	20	1%	10K				
652	PWR263S-20-1002J	20	5%	10K				
652	PWR263S-20-3002F	20	1%	30K				
652	PWR263S-20-3002J	20	5%	30K				
652	PWR263S-20-1003F	20	1%	100K				
652	PWR263S-20-1003J	20	5%	100K				
652	PWR263S-20-1303F	20	1%	130K				
652	PWR263S-20-1303J	20	5%	130K				
652	PWR263S35R270F	35	1%	0.27				
652	PWR263S35R500F	35	1%	0.5				
652	PWR263S351R50F	35	1%	1.5				
652	PWR263S352R50F	35	1%	2.5				
652	PWR263S353R30F	35	1%	3.3				
652	PWR263S354R70F	35	1%	4.7				
652	PWR263S355R60F	35	1%	5.6				
652	PWR263S357R50F	35	1%	7.5				
652	PWR263S358R20F	35	1%	8.2				
652	PWR263S351R00F	35	1%	1				
652	PWR263S352R00F	35	1%	2				
652	PWR263S353R00F	35	1%	3				
652	PWR263S-35-4R00F	35	1%	4				
652	PWR263S355R00F	35	1%	5				
652	PWR263S3510R0F	35	1%	10				
652	PWR263S3512R0F	35	1%	12				
652	PWR263S3515R0F	35	1%	15				
652	PWR263S3520R0F	35	1%	20				
652	PWR263S3527R0F	35	1%	27				
652	PWR263S3530R0F	35	1%	30				
652	PWR263S3533R0F	35	1%	33				
652	PWR263S-35-40R0F	35	1%	40				
652	PWR263S3547R0F	35	1%	47				
652	PWR263S3550R0F	35	1%	50				
652	PWR263S3556R0F	35	1%	56				
652	PWR263S3575R0F	35	1%	75				
652	PWR263S351000F	35	1%	100				
652	PWR263S-35-1200F	35	1%	120				
652	PWR263S-35-2000F	35	1%	200				
652	PWR263S-35-2500F	35	1%	250				
652	PWR263S-35-3000F	35	1%	300				
652	PWR263S353300F	35	1%	330				
652	PWR263S354700F	35	1%	470				
652	PWR263S35R750F	35	1%	0.75				
652	PWR263S353301F	35	1%	3.3K				
652	PWR263S351001F	35	1%	1K				
652	PWR263S351002F	35	1%	10K				
652	PWR263S353002F	35	1%	30K				
652	PWR263S351303F	35	1%	130K				
652	PWR263S3540R0J	35	5%	40				

PWR 2615 SERIES SMD WIREWOUND RESISTORS

Features:

- High power
- Low temperature coefficient
- Operating Temperature Range: -55°C to +275°C

Applications:

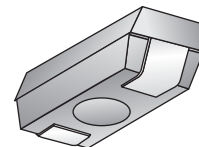
- Power supplies
- Motor drives
- Electricity metering



RoHS Compliant

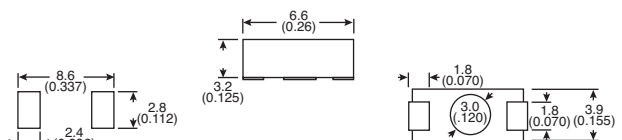
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Ω Value	Tol. %	Power Watts	Price Each				
Mfr.	Mfr. Part No.				1	25	50	100	200
PWR2615 Series									
652	PWR2615WR010F	0.01	1%	1W					
652	PWR2615WR100F	0.1	1%	1W					
652	PWR2615W1R00F	1	1%	1W					
652	PWR2615W10R0F	10	1%	1W					
652	PWR2615W1000F	100	1%	1W					
652	PWR2615W1001F	1K	1%	1W					




DIMENSIONS: mm (in.)

PWR2615



BOURNS High Power Current Sense Chip Resistors **BOURNS**

 This product is RoHS compliant.

CRM2512 SERIES 1W AND 2W

- Features:**
- Power Rating: 2W @ 70°C
 - Operating Temp. Range: -55°C to +155°C
 - Thick film technology
 - RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (Ω)	Tolerance	Power Watts	Price Each				
Mfr.	Mfr. Part No.				1	100	500	1000	4000
652	—CRM2512FXR100ELF	0.10	1%	2W					
652	—CRM2512FXR200ELF	0.20	1%	2W					
652	—CRM2512FXR300ELF	0.30	1%	2W					
652	—CRM2512FXR910ELF	0.91	1%	2W					
652	—CRM2512JXR100ELF	0.10	5%	2W					
652	—CRM2512JXR200ELF	0.20	5%	2W					
652	—CRM2512JXR300ELF	0.30	5%	2W					
652	—CRM2512JXR910ELF	0.91	5%	2W					

CRF2512 SERIES

- Features:**
- Power Rating @ 70°C: 0.001 to 0.010Ω, 2W; 0.015 to 0.040Ω, 1W
 - Operating Temp. Range: -55°C to +170°C
 - Lead free
 - RoHS Compliant

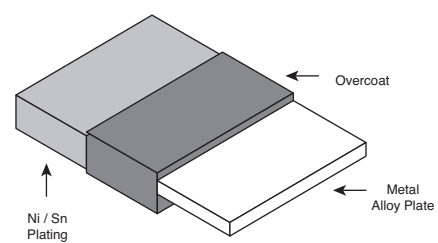
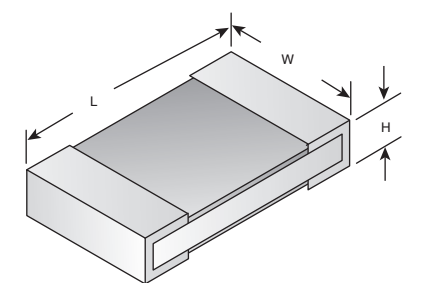
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (Ω)	Tolerance	Power Watts	Price Each				
Mfr.	Mfr. Part No.				1	100	500	1000	4000
652	—CRF2512FZR015ELF	0.015	1%	1W					
652	—CRF2512FZR020ELF	0.020	1%	1W					
652	—CRF2512FZR025ELF	0.025	1%	1W					
652	—CRF2512FZR030ELF	0.030	1%	1W					
652	—CRF2512FZR040ELF	0.040	1%	1W					
652	—CRF2512FXR003ELF	0.003	1%	2W					
652	—CRF2512FXR005ELF	0.005	1%	2W					
652	—CRF2512FXR007ELF	0.007	1%	2W					
652	—CRF2512FXR010ELF	0.010	1%	2W					
652	—CRF2512FVR001ELF	0.001	1%	2W					
652	—CRF2512FVR002ELF	0.002	1%	2W					
652	—CRF2512JXR005ELF	0.005	5%	2W					
652	—CRF2512JXR007ELF	0.007	5%	2W					
652	—CRF2512JXR010ELF	0.010	5%	2W					
652	—CRF2512JVR001ELF	0.001	5%	2W					
652	—CRF2512JVR002ELF	0.002	5%	2W					

CRA2010 SERIES 1.5W AND 3W

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (Ω)	Tolerance	Power Watts	Price Each				
Mfr.	Mfr. Part No.				1	100	500	1000	4000
652	—CRA2010FXR010ELF	0.01	1%	1.5W					

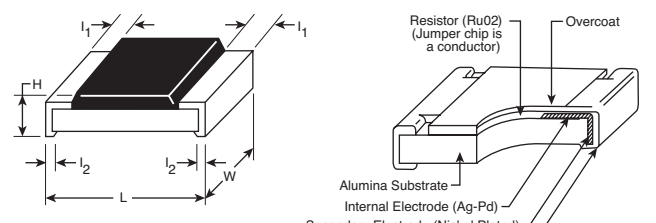
DIMENSIONS: in.			
Series	L	W	H
CRM2512	.248 ± .008	.122 ± .008	.024 ± .008
CRF2512	.252 ± .008	.126 ± .008	.024 ± .008
CRA2010	.196 ± .008	.098 ± .008	.024 ± .008

Current Sense

Bourns

CR0402, CR0603, CR0805, CR1206 SERIES CHIP RESISTORS

MOUSER STOCK NO.		Value (Ω)	Price Each			Reel Qty.	Reel Price
Mfr.	Mfr. Part No.		1	100	500		
652	—CR0402FX-1001GLF	1.0K				10000	
652	—CR0402FX-3001GLF	3K				10000	
652	—CR0402FX-5601GLF	5.6K				10000	
652	—CR0402FX-6201GLF	6.2K				10000	
652	—CR0402FX-1602GLF	16K				10000	
652	—CR0402FX-2002GLF	20K				10000	
652	—CR0402-FX3322GLF	33.2K				10000	
652	—CR0402FX-3902GLF	39K				10000	
652	—CR0402FX-5602GLF	56K				10000	
652	—CR0603FX-1001ELF	1K				5000	
652	—CR0603FX-1201ELF	1.2K				5000	
652	—CR0603FX-1501ELF	1.5K				5000	
652	—CR0603-FX-2001LF	2K				5000	
652	—CR0603FX-2201ELF	2.2K				5000	
652	—CR0603FX-2801ELF	2.8K				5000	
652	—CR0603FX-6201ELF	6.2K				5000	
652	—CR0603FX-6801ELF	6.8K				5000	
652	—CR0603FX-1002ELF	10K				5000	
652	—CR0603FX-1202ELF	12K				5000	
652	—CR0603FX-2002ELF	20K				5000	
652	—CR0603FX-2202ELF	22K				5000	
652	—CR0603FX-3002ELF	30K				5000	
652	—CR0603FX-8202ELF	82K				5000	
652	—CR0603-FX-103ELF	10K				5000	
652	—CR0603FX-2003ELF	200K				5000	
652	—CR0603FX-4993ELF	499K				5000	
652	—CR0603FX-6803ELF	680K				5000	
652	—CR0805FX-1001ELF	1K				5000	
652	—CR0805FX-1501ELF	1.5K				5000	
652	—CR0805FX-3011ELF	3.01K				5000	
652	—CR0805FX-4701ELF	4.7K				5000	
652	—CR0805FX-5111ELF	5.11K				5000	
652	—CR0805FX-6191ELF	6.19K				5000	
652	—CR0805FX-6981ELF	6.98K				5000	
652	—CR0805FX-8201ELF	8.2K				5000	
652	—CR0805FX-1002ELF	10K				5000	
652	—CR0805FX-1102ELF	11K				5000	
652	—CR0805FX-1202ELF	12K				5000	
652	—CR0805FX-1402ELF	14K				5000	
652	—CR0805FX-1502ELF	15K				5000	



DIMENSIONS: in.		
Series	L	W
CR0402	.04±.004	.02±.002
CR0603	.075±.008	.043±.008
CR0805	.094±.008	.065±.008
CR1206	.161±.008	.079±.008

MOUSER STOCK NO.		Value (Ω)	Price Each			Reel Qty.	Reel Price
Mfr.	Mfr. Part No.		1	100	500		
652	—CR0805FX-2002ELF	20K				5000	
652	—CR0805-FX2202ELF	22K				5000	
652	—CR0805FX-3322ELF	33.2K				5000	
652	—CR0805FX-4702ELF	47K				5000	
652	—CR0805FX-1003ELF	100K				5000	
652	—CR0805FX-2003ELF	200K				5000	
652	—CR0805FX-7503ELF	750K				5000	
652	—CR0805FX-1004ELF	1M				5000	
652	—CR1206FX-1001ELF	1K				5000	
652	—CR1206FX-2001ELF	2K				5000	
652	—CR1206FX-3001ELF	3K				5000	
652	—CR1206FX-3301ELF	3.3K				5000	
652	—CR1206FX-4701ELF	4.7K				5000	
652	—CR1206FX-1002ELF	10K				5000	
652	—CR1206FX-1402ELF	14K				5000	
652	—CR1206FX-1502ELF	15K				5000	
652	—CR1206FX-2002ELF	20K				5000	
652	—CR1206FX-7502ELF	75K				5000	
652	—CR1206FX-1003ELF	100K				5000	
652	—CR1206FX-2003ELF	200K				5000	
652	—CR1206FX-1004ELF	1M				5000	

IRC Current Sensing Resistors



IRC

OAR SERIES OPEN AIR SENSE RESISTORS

Features:

- Welded Construction
- Flameproof
- Inductance Less than 10nH
- Solderable Copper Leads (60/40)

Operating Characteristics:

- Load Life @ 25°C (1000 hrs): 1% Max.
- Moisture No Load (1000 hrs): 1% Max.
- Temp. Cycle @ -40°C & +125°C (1000 cyc): 1% Max.



RoHS Compliant

Specifications:

- Tolerance: ±5%
- Resistance Wire TCR ±20ppm/°C

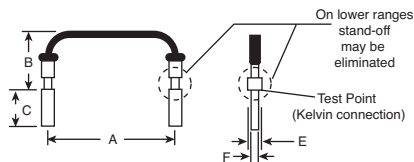
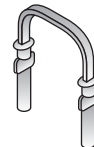
Feedback:

- Low Inductance
- Surge and Pulse

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IRC Part No.	Resist. (Ω)	Power Rating (@ 85°)	Price Each				
				1	10	100	250	1000
66-OAR1R005JLF	OAR1R005JLF	0.005	1W					
66-OAR1R010JLF	OAR1R010JLF	0.010	1W					
66-OAR1R015JLF	OAR1R015JLF	0.015	1W					
66-OAR1R020JLF	OAR1R020JLF	0.020	1W					
66-OAR1R040JLF	OAR1R040JLF	0.040	1W					
66-OAR1R050JLF	OAR1R050JLF	0.050	1W					
66-OAR1R070JLF	OAR1R070JLF	0.070	1W					
66-OAR1R080JLF	OAR1R080JLF	0.080	1W					
66-OAR1R100JLF	OAR1R100JLF	0.100	1W					
66-OAR3R005JLF	OAR3R005JLF	0.005	3W					
66-OAR3R010JLF	OAR3R010JLF	0.010	3W					
66-OAR3R015JLF	OAR3R015JLF	0.015	3W					
66-OAR3R020JLF	OAR3R020JLF	0.020	3W					
66-OAR3R030JLF	OAR3R030JLF	0.030	3W					
66-OAR3R040JLF	OAR3R040JLF	0.040	3W					
66-OAR3R050JLF	OAR3R050JLF	0.050	3W					
66-OAR3R070JLF	OAR3R070JLF	0.070	3W					
66-OAR3R080JLF	OAR3R080JLF	0.080	3W					
66-OAR3R100JLF	OAR3R100JLF	0.100	3W					
66-OAR5R005JLF	OAR5R005JLF	0.005	5W					
66-OAR5R010JLF	OAR5R010JLF	0.010	5W					
66-OAR5R015JLF	OAR5R015JLF	0.015	5W					
66-OAR5R020JLF	OAR5R020JLF	0.020	5W					
66-OAR5R030JLF	OAR5R030JLF	0.030	5W					
66-OAR5R040JLF	OAR5R040JLF	0.040	5W					
66-OAR5R050JLF	OAR5R050JLF	0.050	5W					

Note:
Contact factory for:
1. Variations of "A" dimension
2. Different lead diameter



DIMENSIONS: in. (mm)

Type	A	B	C	E	F
OAR-1	0.450+0.040/-0.020 (11.43+1.020/-0.508)	0.200±0.100 (5.08±2.54)	0.125±0.030 (3.18±0.762)	0.065+0.010/-0.005 (1.65+0.254/-0.127)	0.040±0.002 (1.02±0.051)
OAR-3	0.600+0.040/-0.020 (15.24+1.020/-0.508)	0.600max. (15.3max.)	0.125±0.030 (3.18±0.762)	0.065+0.010/-0.005 (1.65+0.254/-0.127)	0.040±0.002 (1.02±0.051)
OAR-5	0.800+0.040/-0.020 (20.32+1.020/-0.508)	0.35max. (8.9max.)	25±0.030 (3.18±0.762)	0.065+0.010/-0.005 (1.65+0.254/-0.127)	0.040±0.002 (1.02±0.051)

OAR-XP SERIES - 1% OPEN AIR SENSE RESISTORS

Features:

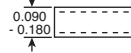
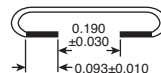
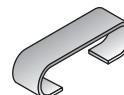
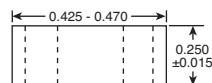
- Superior Thermal Expansion Cycling
- Extended power surface mount current sense resistor
- Open air design provides cooler operation
- Unique form factor provides TCE compliant termination
- Zero Ω Jumper available

Specifications:

- Power Rating: 5 Watts
- Resistance Values: 2mΩ to 50mΩ
- Inductance: <10nH
- Tolerance: ±1% or ±5% (0.002Ω - 5% only)



RoHS Compliant



DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IRC Part No.	Value (Ω)	Price Each				
			1	10	100	400	1200
66-OARSXP001FLF	OARSXP001FLF	0.0010					
66-OARSXP002FLF	OARSXP002FLF	0.0020					
66-OARSXP0025FLF	OARSXP0025FLF	0.0025					
66-OARSXP005FLF	OARSXP005FLF	0.0050					
66-OARSXP010FLF	OARSXP010FLF	0.0100					
66-OARSXP020FLF	OARSXP020FLF	0.0200					
66-OARSXP025FLF	OARSXP025FLF	0.0250					

OARS SERIES - OPEN AIR SENSE RESISTORS

Features:

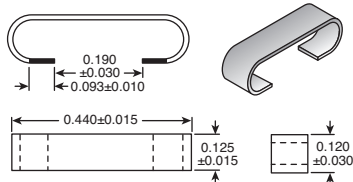
- Superior Thermal Expansion Cycling
- Inductance ≤ 10nH
- Lead Flexible for Thermal Expansion

Operating Characteristics:

- Load Life @ 70°C (1000 hrs): 1% D Max.
- Moisture No Load (1000 hrs): 1% D Max.
- Temperature Cycle @ -40°C & +125°C (1000 cyc): 1% Max.

Specifications:

- Tolerance: ±1%, ±5%
- Resistance Wire TCR ±20ppm/°C
- 50V Continuous Pulse Rating/Rated Voltage



RoHS Compliant

DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IRC Part No.	Resist. (Ω)	Tol.	Power Rating (Watts)	Price Each				
					1	25	100	500	1900
66-OARS1R003JLF	OARS1R003JLF	.003	5%	1W @ 85°C					
66-OARS1R005JLF	OARS1R005JLF	.005	5%	1W @ 85°C					
66-OARS1R010JLF	OARS1R010JLF	.010	5%	1W @ 85°C					
66-OARS1R015JLF	OARS1R015JLF	.015	5%	1W @ 85°C					
66-OARS1R020JLF	OARS1R020JLF	.020	5%	1W @ 85°C					
66-OARS1R030JLF	OARS1R030JLF	.030	5%	1W @ 85°C					
66-OARS1R040JLF	OARS1R040JLF	.040	5%	1W @ 85°C					
66-OARS1R050JLF	OARS1R050JLF	.050	5%	1W @ 85°C					
66-OARS3R002JLF	OARS3R002JLF	.002	5%	3W @ 85°C					
66-OARS3R003FLF	OARS3R003FLF	.003	1%	3W @ 85°C					
66-OARS3R004FLF	OARS3R004FLF	.004	1%	3W @ 85°C					
66-OARS3R005FLF	OARS3R005FLF	.005	1%	3W @ 85°C					
66-OARS3R010FLF	OARS3R010FLF	.010	1%	3W @ 85°C					
66-OARS3R015FLF	OARS3R015FLF	.015	1%	3W @ 85°C					

LRZ SERIES - ULTRA LOW RESISTANCE SMD JUMPER RESISTORS

Specifications:

- High Current Rating
- Less than 0.003Ω Resistance
- Copper on Alumina construction

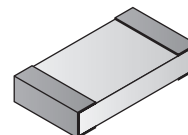
- Very Low Inductance
- Available in 1206, 2010, and 2512 chip sizes

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IRC Part No.	Value (Ω)	Size	Price Each			
				1	10	100	250
66-LRZ1206-OLF	LRC-LRZ1206-LF-R000	0	1206				
66-LRZ2010-OLF	LRC-LRZ2010-LF-R000	0	2010				
66-LRZ2512-OLF	LRC-LRZ2512-LF-R000	0	2512				



RoHS Compliant



IRC Current Sensing Resistors

ULR SERIES - 1% SMD METAL ELEMENT CURRENT SENSING RESISTORS

Features:

- Designed for current sense circuits in power electronics systems
- Power Ratings: 1W to 3W in 2512 chip size
- Resistance Range: 0.5mΩ to 10mΩ
- Low TCR and inductance
- Higher wattage devices feature PCB clearance gap to maximize thermal performance
- Tolerance: ±1%

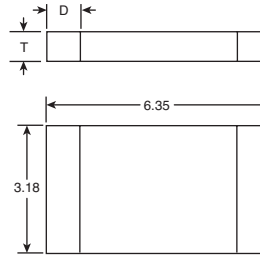


RoHS Compliant

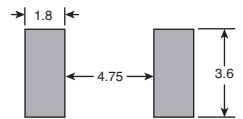
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IRC Part No.	Value (Ω)	Price Each					
			1	25	50	100	500	1000
1 Watt								
66-ULRB1R0005FLFSLT	ULRB12512R0005FLFSLT	0.0005						
66-ULRB1R001FLFSLT	ULRB12512R001FLFSLT	0.001						
66-ULRB1R0025FLFSLT	ULRB12512R0025FLFSLT	0.0025						
66-ULRB1R003FLFSLT	ULRB12512R003FLFSLT	0.003						
66-ULRB1R004FLFSLT	ULRB12512R004FLFSLT	0.004						
66-ULRB1R005FLFSLT	ULRB12512R005FLFSLT	0.005						
66-ULRB1R006FLFSLT	ULRB12512R006FLFSLT	0.006						
66-ULRB1R007FLFSLT	ULRB12512R007FLFSLT	0.007						
66-ULRB1R0075FLFSLT	ULRB12512R0075FLFSLT	0.0075						
2 Watt								
66-ULRB2R0005FLFSLT	ULRB22512R0005FLFSLT	0.0005						
66-ULRB2R001FLFSLT	ULRB22512R001FLFSLT	0.001						
66-ULRB2R0015FLFSLT	ULRB22512R0015FLFSLT	0.0015						
66-ULRB2R002FLFSLT	ULRB22512R002FLFSLT	0.002						
66-ULRG2R007FLFSLT	ULRG22512R007FLFSLT	0.007						
66-ULRG2R008FLFSLT	ULRG22512R008FLFSLT	0.008						
66-ULRG2R010FLFSLT	ULRG22512R010FLFSLT	0.01						
2.5 Watt								
66-ULRG25R0035FLFSLT	ULRG252512R0035FLFSLT	0.0035						
66-ULRG25R004FLFSLT	ULRG252512R004FLFSLT	0.004						
66-ULRG25R005FLFSLT	ULRG252512R005FLFSLT	0.005						
66-ULRG25R006FLFSLT	ULRG252512R006FLFSLT	0.006						
3 Watt								
66-ULRG3R0005FLFSLT	ULRG32512R0005FLFSLT	0.0005						
66-ULRG3R001FLFSLT	ULRG32512R001FLFSLT	0.001						
66-ULRG3R002FLFSLT	ULRG32512R002FLFSLT	0.002						
66-ULRG3R0025FLFSLT	ULRG32512R0025FLFSLT	0.0025						
66-ULRG3R003FLFSLT	ULRG32512R003FLFSLT	0.003						

DIMENSIONS: mm



Recommended Solder Pad Layout



Coating	Resistance Value (mΩ)	DIMENSIONS: mm	
		T	D
Green	0.5	0.60±0.20	2.68±0.25
	0.75		2.48±0.25
	1 - 1.5		1.43±0.25
	2 - 3		1.18±0.25
	4		2.18±0.25
	5 - 6		1.93±0.25
	7		1.43±0.25
	8 - 20		1.18±0.25
Black	0.5	1.40±0.20	1.43±0.38
	0.75	1.0±0.20	
	1	0.80±0.20	
	1.5	0.65±0.20	
	2	0.50±0.20	
	2.5	1.0±0.20	
	3	0.70±0.20	
	4	0.60±0.20	
	5 - 6	0.50±0.20	
	6.5	0.45±0.20	
7	0.45±0.20		

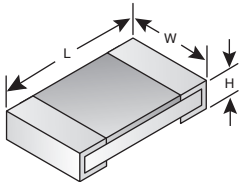
Current Sense

IRC

LR SERIES - 1% SMD CURRENT SENSE RESISTORS

Features:

- Resistance values down to .003ohms
- Leach resistant solder-plated cooper wrap-around termination
- Low inductance-less than 0.2nH



RoHS Compliant

DIMENSIONS: in.

Size	L	W	H
1206	.126 ± .012	.064 ± .008	.024 ± .004
2010	.206 ± .015	.104 ± .010	.029 ± .004
2512	.256 ± .015	.128 ± .010	.029 ± .004

MOUSER STOCK NO.	Mfr.	Mfr. Part Number	Ω Value	Watt	Case Size	Tol.	Price Each			
							1	100	500	1000
66-LRF1206-LF-R012-F		0.012	1/2	1206	1%					
66-LRF1206-LF-R015-F		0.015	1/2	1206	1%					
66-LRF1206-LF-R020-F		0.02	1/2	1206	1%					
66-LRF1206-LF-R025-F		0.025	1/2	1206	1%					
66-LR1206-LF-R030-F		0.03	1/2	1206	1%					
66-LR1206-LF-R033-F		0.033	1/2	1206	1%					
66-LR1206-LF-R040-F		0.04	1/2	1206	1%					
66-LR1206-LF-R050-F		0.05	1/2	1206	1%					
66-LR1206-LF-R060-F		0.06	1/2	1206	1%					
66-LR1206-LF-R080-F		0.08	1/2	1206	1%					
66-LR1206-LF-R100-F		0.1	1/2	1206	1%					
66-LR1206-LF-R150-F		0.15	1/2	1206	1%					
66-LRF2010-LF-R010-F		0.01	1	2010	1%					
66-LRF2010-LF-R012-F		0.012	1	2010	1%					
66-LRF2010-LF-R015-F		0.015	1	2010	1%					

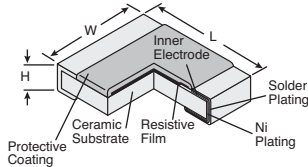
MOUSER STOCK NO.	Mfr.	Mfr. Part Number	Ω Value	Watt	Case Size	Tol.	Price Each			
							1	100	500	1000
66-LRF2010-LF-R018-F		0.018	1	2010	1%					
66-LRF2010-LF-R020-F		0.02	1	2010	1%					
66-LRF2010-LF-R025-F		0.025	1	2010	1%					
66-LR2010-LF-R030-F		0.03	1	2010	1%					
66-LR2010-LF-R033-F		0.033	1	2010	1%					
66-LR2010-LF-R035-F		0.035	1	2010	1%					
66-LR2010-LF-R040-F		0.04	1	2010	1%					
66-LR2010-LF-R050-F		0.05	1	2010	1%					
66-LR2010-LF-R058-F		0.058	1	2010	1%					
66-LR2010-LF-R068-F		0.068	1	2010	1%					
66-LR2010-LF-R075-F		0.075	1	2010	1%					
66-LR2010-LF-R100-F		0.1	1	2010	1%					
66-LR2010-LF-R120-F		0.12	1	2010	1%					
66-LR2010-LF-R150-F		0.15	1	2010	1%					
66-LR2010-LF-R180-F		0.18	1	2010	1%					
66-LR2010-LF-R200-F		0.2	1	2010	1%					
66-LR2010-LF-R250-F		0.25	1	2010	1%					
66-LR2010-LF-R270-F		0.27	1	2010	1%					
66-LR2010-LF-R300-F		0.3	1	2010	1%					
66-LR2010-LF-R470-F		0.47	1	2010	1%					
66-LR2010-LF-R500-F		0.5	1	2010	1%					
66-LRF2512-LF-R010-F		0.01	2	2512	1%					
66-LRF2512-LF-R012-F		0.012	2	2512	1%					
66-LRF2512-LF-R015-F		0.015	2	2512	1%					
66-LRF2512-LF-R020-F		0.02	2	2512	1%					
66-LRF2512-LF-R024-F		0.024	2	2512	1%					
66-LRF2512-LF-R025-F		0.025	2	2512	1%					
66-LR2512-LF-R027-F		0.027	2	2512	1%					
66-LR2512-LF-R030-F		0.03	2	2512	1%					
66-LR2512-LF-R040-F		0.04	2	2512	1%					
66-LR2512-LF-R050-F		0.05	2	2512	1%					
66-LR2512-LF-R056-F		0.056	2	2512	1%					
66-LR2512-LF-R062-F		0.062	2	2512	1%					
66-LR2512-LF-R068-F		0.068	2	2512	1%					
66-LR2512-LF-R075-F		0.075	2	2512	1%					
66-LR2512-LF-R080-F		0.08	2	2512	1%					
66-LR2512-LF-R100-F		0.1	2	2512	1%					
66-LR2512-LF-R120-F		0.12	2	2512	1%					
66-LR2512-LF-R140-F		0.14	2	2512	1%					
66-LR2512-LF-R150-F		0.15	2	2512	1%					
66-LR2512-LF-R200-F		0.2	2	2512	1%					
66-LR2512-LF-R220-F		0.22	2	2512	1%					
66-LR2512-LF-R330-F		0.33	2	2512	1%					
66-LR2512-LF-R470-F		0.47	2	2512	1%					
66-LR2512-LF-R500-F		0.5	2	2512	1%					

KOA SMD Lo-Ohm Current Sense Resistors



SR73 SERIES - THICK FILM 0201, 0402, 0603, 0805, 1206, 1210, 2010, 2512

This product is RoHS compliant.
*Insert Value Code from Table of Values



Features:

- RuO₂ thick film resistor element
- Anti-leaching nickel barrier terminations
- Meets or exceeds EIA 575, EIA PDP-100, MIL-R-55342F
- Marking: Three or four-digits on indigo protective coat
- No marking. 1E size, 1H, black protective coat

* Not all values available in all sizes.

Type	DIMENSIONS: in. (mm)		
	L	W	H
0201	.024 (0.6)	.012 (0.3)	.009 (0.23)
0402	.039 (1.0)	.02 (0.5)	.014 (0.35)
0603	.063 (1.6)	.031 (0.8)	.018 (0.45)
0805	.079 (2.0)	.049 (1.25)	.02 (0.5)
1206	.126 (3.2)	.063 (1.6)	.024 (0.6)
1210	.126 (3.2)	.102 (2.6)	.024 (0.6)
2010	.197 (5.0)	.098 (2.5)	.024 (0.6)
2512	.248 (6.3)	.122 (3.1)	.024 (0.6)

Size	MOUSER STOCK NO.		Suffix	Value Range (Ω)	Tol. (%)	TCR (ppm/°C)	Price Each			Reel Qty	Price Per Piece
	Prefix	Value					1	100	1000		
0201	660-SR731H	TTCC	Code J	0.47 - 0.82	1%	400				10000	
			Code F	1.0 - 10	5%	400				10000	
0402	660-SR731E	TTPP	Code F	0.1-0.118	1%	500				10000	
			Code F	0.2-0.464	1%	250				10000	
			Code F	0.51-10	1%	200				10000	
0603	660-SR731J	TTDD	Code F	0.1-1.0	1%	250				5000	
			Code J	30m-91m	5%	200				4000	
			Code F	0.1-0.464	1%	100				4000	
0805	660-SR732A	TTTE	Code F	0.475-10	1%	100				4000	
			Code F	0.1-1.0	1%	200				4000	
			Code F	0.1-1.0	1%	100				4000	
1206	660-SR732B	TTTE	Code J	30m-91m	5%	200				4000	
			Code F	0.1-1.0	1%	100				4000	
			Code F	0.1-1.0	1%	100				4000	
1210	660-SR732E	TTTE	Code J	24m-43m	5%	200				4000	
			Code F	0.1-0.464	1%	100				4000	
			Code F	0.475-10	1%	100				4000	
2010	660-SR732H	TTTE	Code J	33m-82m	5%	200				4000	
			Code F	0.1-0.464	1%	100				4000	
			Code F	0.475-10	1%	100				4000	
2512	660-SR733A	TTTE	Code J	39m-82m	5%	200				4000	
			Code F	0.1-1.0	1%	100				4000	

TABLE OF VALUES

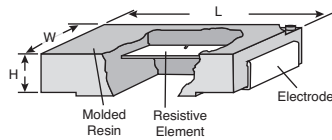
Value (Ω)	Value Code *	Value (Ω)	Value Code *	Value (Ω)	Value Code *	Value (Ω)	Value Code *	Value (Ω)	Value Code *	Value (Ω)	Value Code *	Value (Ω)	Value Code *	Value (Ω)	Value Code *	Value (Ω)	Value Code *	Value (Ω)	Value Code *	Value (Ω)	Value Code *
0.024	24L	0.116	R116	0.196	R196	0.309	R309	0.47	R47	0.715	R715	1.13	R113	1.78	R178	2.8	R280	4.3	R430	6.49	R649
0.027	27L	0.118	R118	0.2	R200	0.16	R316	0.475	R475	0.732	R732	1.15	R115	1.8	R180	2.87	R287	4.32	R432	6.65	R665
0.03	30L	0.121	R121	0.205	R205	0.324	R324	0.487	R487	0.75	R750	1.16	R116	1.82	R182	2.94	R294	4.42	R442	6.8	R680
0.033	33L	0.124	R124	0.21	R210	0.33	R330	0.499	R499	0.768	R768	1.18	R118	1.87	R187	3	R300	4.53	R453	6.81	R681
0.036	36L	0.127	R127	0.215	R215	0.332	R332	0.51	R51	0.787	R787	1.2	R120	1.91	R191	3.01	R301	4.64	R464	6.98	R698
0.039	39L	0.13	R130	0.218	R218	0.34	R340	0.511	R511	0.806	R806	1.21	R121	1.96	R196	3.09	R309	4.7	R470	7.15	R715
0.043	43L	0.133	R133	0.22	R220	0.348	R348	0.523	R523	0.82	R82	1.24	R124	2	R200	3.16	R316	4.75	R475	7.32	R732
0.047	47L	0.137	R137	0.221	R221	0.357	R357	0.536	R536	0.825	R825	1.27	R127	2.05	R205	3.24	R324	4.87	R487	7.5	R750
0.051	51L	0.1	R140	0.226	R226	0.36	R360	0.549	R549	0.845	R845	1.3	R130	2.1	R210	3.3	R330	4.99	R499	7.68	R768
0.056	56L	0.143	R143	0.232	R232	0.365	R365	0.56	R560	0.866	R866	1.33	R133	2.15	R215	3.32	R332	5.1	R510	7.87	R787
0.062	62L	0.147	R147	0.237	R237	0.374	R374	0.562	R562	0.887	R887	1.37	R137	2.18	R218	3.4	R340	5.11	R511	8.06	R806
0.068	68L	0.15	R150	0.24	R240	0.383	R383	0.576	R576	0.909	R909	1.4	R140	2.2	R220	3.48	R348	5.23	R523	8.2	R820
0.075	75L	0.154	R154	0.243	R243	0.39	R390	0.59	R590	0.91	R910	1.43	R143	2.21	R221	3.57	R357	5.36	R536	8.25	R825
0.082	82L	0.158	R158	0.255	R255	0.392	R392	0.604	R604	0.931	R931	1.47	R147	2.26	R226	3.6	R360	5.49	R549	8.45	R845
0.091	91L	0.162	R162	0.261	R261	0.402	R402	0.619	R619	0.953	R953	1.5	R150	2.32	R232	3.65	R365	5.6	R560	8.66	R866
0.1	R100	0.165	R165	0.27	R270	0.412	R412	0.62	R62	0.976	R976	1.54	R154	2.37	R237	3.74	R374	5.62	R562	8.87	R887
0.102	R102	0.169	R169	0.274	R274	0.422	R422	0.634	R634	1	R100	1.58	R158	2.4	R240	3.83	R383	5.76	R576	9.09	R909
0.105	R105	0.174	R174	0.28	R280	0.43	R430	0.649	R649	1.02	R102	1.6	R160	2.43	R243	3.9	R390	5.9	R590	9.1	R910
0.107	R107	0.178	R178	0.287	R287	0.432	R432	0.665	R665	1.05	R105	1.62	R162	2.55	R255	3.92	R392	6.04	R604	9.31	R931
0.11	R110	0.182	R182	0.294	R294	0.442	R442	0.68	R680	1.07	R107	1.65	R165	2.61	R261	4.02	R402	6.19	R619	9.53	R953
0.112	R112	0.187	R187	0.3	R300	0.453	R453	0.681	R681	1.1	R110	1.69	R169	2.7	R270	4.12	R412	6.2	R620	9.76	R976
0.113	R113	0.191	R191	0.301	R301	0.464	R464	0.698	R698	1.12	R112	1.74	R174	2.74	R274	4.22	R422	6.34	R634	10	R100
0.115	R115																				

SL AND TSL SERIES RESISTORS

Features:

- Surface mount type
- Flameproof UL94-V-0 molded polymer case
- Excellent dimension accuracy, mountability and shock resistance
- Suitable for flow, reflow and hand soldering
- Resistance Tolerance: 1%
- Operating Temperature Range: -55°C to +180°C
- 1000 Piece Reels

* Not all values available in all sizes. Insert Value Code from Table of Values.



MOUSER STOCK NO.	Value Range	Price Each			Reel	
		1	25	100	1000	2000
660-SL1TTE-Code	5m-1.0					
660-SL2TTE-Code	5m-.357					
660-SL3TTE-Code	5.1m-.357					
660-TSL1TTE-Code	5m-1.0				3000	6000

Size Code	DIMENSIONS: in. (mm)					
	L	W		H		
SL1	.248 ± .012 (6.3 ± .30)	1.22 ± .008 (3.1 ± .20)		.075 ± .008 (1.9 ± .20)		
SL2	.453 ± .012 (11.5 ± .30)	.276 ± .008 (7 ± .20)		.098 ± .008 (2.5 ± .20)		
SL3	.453 ± .012 (11.5 ± .30)	.276 ± .008 (7 ± .20)		.098 ± .008 (2.5 ± .20)		
TSL	.248 ± .012 (6.3 ± .30)	1.22 ± .008 (3.1 ± .20)		.039 ± .008 (1 ± .20)		

TABLE OF VALUES

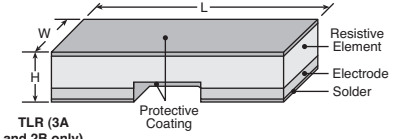
Value (Ω)	Value Code *	Value (Ω)	Value Code *	Value (Ω)	Value Code *	Value (Ω)	Value Code *	Value (Ω)	Value Code *
5.1m	5L10F	12.1m	12L1F	39.2m	39L2F	0.1	R100F	0.357	R357F
5.62m	5L62F	13m	13L0F	40.2m	40L2F	0.11	R110F	0.392	R392F
6.04m	6L04F	15m	15L0F	43.2m	43L2F	0.121	R121F	0.432	R432F
6.19m	6L19F	16.2m	16L2F	47.5m	47L5F	0.13	R130F	0.475	R475F
6.8m	6L80F	17.8m	17L8F	50m	50L0F	0.15	R150F	0.51	R510F
7.50m	7L50F	20.0m	20L0F	51.0m	51L0F	0.162	R162F	0.562	R562F
8.00m	8L00F	22.1m	22L1F	56.2m	56L2F	0.221	R221F	0.619	R619F
8.25m	8L25F	23.7m	23L7F	61.9m	61L9F	0.237	R237F	0.68	R680F
9.09m	9L09F	24.3m	24L3F	68.0m	68L0F	0.243	R243F	0.75	R750F
10m	10L0F	26.7m	26L7F	75.0m	75L0F	0.267	R267F	0.825	R825F
11m	11L0F	30.1m	30L1F	82.5m	82L5F	0.301	R301F	0.909	R909F
12m	12L0F	33.2m	33L2F	90.9m	90L9F	0.332	R332F	1	R1000F
		35.7m	35L7F						

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TLR AND UR73 SERIES RESISTORS

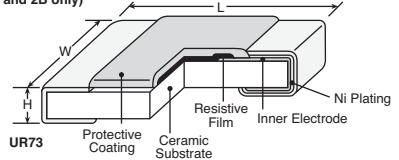
Features for TLR:

- Metal plate current sensing
- Metal alloy, superior corrosion and heat resistance
- Applications include current sensing, voltage division and pulse applications
- Ultra low resistance (1mΩ-20mΩ)
- Marking: Black body color with marking (3A and 2B only) (3AW: 1mΩ only)



Features for UR73:

- Very low resistance, high precision reliability
- Suitable for reflow and flow soldering
- Utilization of thick film
- Low T.C.R. achieved (±100 ppm/°C)
- Marking: Indigo body color with white marking



Size Code	DIMENSIONS: in. (mm)		
	L	W	H
TLR Series			
TLR3A	.25±.01 (6.35±.25)	.125±.01 (3.18±.25)	.024±.01 (.62±.25)
TLR2B	.126±.008 (3.2±.20)	.063±.008 (1.6±.20)	.024±.008 (.60±.20)
TLR2H	.20±.008 (5±.20)	.10±.008 (2.5±.20)	.024±.008 (.60±.20)
TLR3AW	.25±.01 (6.35±.25)	.125±.01 (3.18±.25)	.024±.01 (.62±.25)
UR73 Series			
2A	.079±.008 (2±.02)	.049±.008 (1.25±.20)	.02±.004 (.05±.10)
2B	.126±.008 (3.2±.20)	.063±.008 (1.6±.20)	.024±.004 (.06±.20)

* Insert Value Code from Table of Values

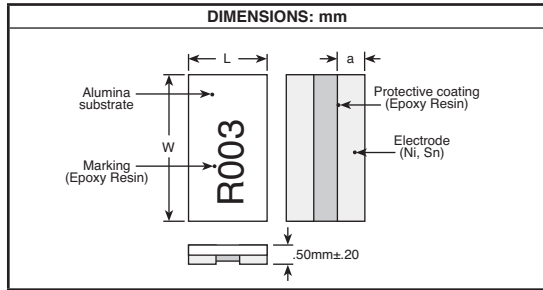
MOUSER STOCK NO.	Power Rating	Price Each			Reel
		1	100	1000	5000
660-UR732ATD-Code	0.25W				
660-UR732BTD-Code	0.25W				
660-TLR2BD-Code	0.5W				
660-TLR2HD-Code	1W				

OHMITE Current Sense Resistors



RoHS Compliant This product is RoHS compliant.

OHMITE FCSL SERIES METAL FOIL CURRENT SENSE RESISTORS



Features:

- Foil Construction ensures a very stable TCR
- Designed for automatic insertion
- High heat resistant use
- Low heat electromotive use

Specifications:

- Temperature range: -55°C to 155°C
- Max temperature for rated power: 70°C



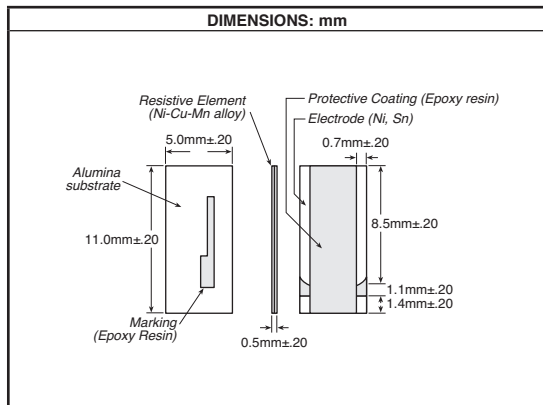
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tolerance Value	Price Each				
				1	50	100	500	1000
2 Watt								
588-FCSL64R010FER	FCSL64R010FER	0.01	1%					
588-FCSL64R025FER	FCSL64R025FER	0.025	1%					
588-FCSL64R050FER	FCSL64R050FER	0.05	1%					
588-FCSL64R002GER	FCSL64R002GER	0.002	2%					
588-FCSL64R001JER	FCSL64R001JER	0.001	5%					
3 Watt								
588-FCSL76R010FER	FCSL76R010FER	0.01	1%					
588-FCSL76R025FER	FCSL76R025FER	0.025	1%					
588-FCSL76R050FER	FCSL76R050FER	0.05	1%					
588-FCSL76R002GER	FCSL76R002GER	0.002	2%					
588-FCSL76R001JER	FCSL76R001JER	0.001	5%					
4 Watt								
588-FCSL90R010FER	FCSL90R010FER	0.01	1%					
588-FCSL90R025FER	FCSL90R025FER	0.025	1%					
588-FCSL90R050FER	FCSL90R050FER	0.05	1%					
588-FCSL90R002GER	FCSL90R002GER	0.002	2%					
588-FCSL90R001JER	FCSL90R001JER	0.001	5%					
5 Watt								
588-FCSL110R001JER	FCSL110R001JER	0.001	5%					
588-FCSL110R002GER	FCSL110R002GER	0.002	2%					
588-FCSL110R005FER	FCSL110R005FER	0.005	1%					
588-FCSL110R010FER	FCSL110R010FER	0.010	1%					
588-FCSL110R025FER	FCSL110R025FER	0.025	1%					
588-FCSL110R050FER	FCSL110R050FER	0.050	1%					

Series	Resistance Range	Tol.	TCR (ppm/°C)	Dim: (in.±0.008/mm±0.20)		
				L	W	a
FCSL64	1mΩ	±5%	±150	0.122/3.1	0.248/6.3	0.047/1.2
	2mΩ	±2%	±100			0.020/0.5
	3mΩ ~ 50mΩ	±1%	±50			0.020/0.5
						0.024/0.6
FCSL76	1mΩ	±5%	±150	0.15/3.8	0.3/7.6	0.053/1.35
	2mΩ	±2%	±100			0.024/0.6
	3mΩ ~ 50mΩ	±1%	±50			0.024/0.6
						0.028/0.7
FCSL90	1mΩ	±5%	±150	0.177/4.5	0.35/8.9	0.063/1.6
	2mΩ	±2%	±100			0.028/0.7
	3mΩ ~ 50mΩ	±1%	±50			0.028/0.7
						0.031/0.8
FCSL110	1mΩ	±5%	±150	0.197/5.0	0.43/11.0	0.071/1.8
	2mΩ	±2%	±100			0.031/0.8
	3mΩ ~ 100mΩ	±1%	±50			0.031/0.8
						0.031/0.8

OHMITE FC4L SERIES FOUR TERMINAL CURRENT SENSE METAL FOIL RESISTORS



Features:

- Foil Construction ensures a very stable TCR (Temperature Coefficient of Resistance)
- Designed for automatic insertion
- Industry standard sizes

- High heat resistant use
- Low heat electromotive use
- Color: white (top) and green (bottom)

Specifications:

- Power Rating: 2W and 5W
- Temperature range: -55°C to 155°C
- Max. temperature for rated power: 70°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tolerance Value	Price Each				
				1	50	100	500	1000
2 Watt								
588-FC4L64R001JER	FC4L64R001JER	0.001	5%					
588-FC4L64R002GER	FC4L64R002GER	0.002	2%					
588-FC4L64R005FER	FC4L64R005FER	0.005	1%					
588-FC4L64R010FER	FC4L64R010FER	0.01	1%					
588-FC4L64R025FER	FC4L64R025FER	0.025	1%					
588-FC4L64R050FER	FC4L64R050FER	0.05	1%					
5 Watt								
588-FC4L110R001JER	FC4L110R001JER	0.001	5%					
588-FC4L110R002GER	FC4L110R002GER	0.002	2%					
588-FC4L110R005FER	FC4L110R005FER	0.005	1%					
588-FC4L110R010FER	FC4L110R010FER	0.01	1%					
588-FC4L110R025FER	FC4L110R025FER	0.025	1%					
588-FC4L110R050FER	FC4L110R050FER	0.05	1%					

OHMITE MCS SERIES METAL ELEMENT CURRENT SENSE RESISTORS

Features:

- NiCu or MnCu resistive alloy; material TCR ±10ppm/°K
- Marking epoxy UL-94-V0 conformal
- 96% alumina substrate thermo dissipation protective layer
- Superior temperature coefficient characteristics; resistance vs. temp change from 25°C to 125°C within 10ppm/°C ~ 50ppm/°C
- Low inductance, low thermo EMF (<50µV/°C)

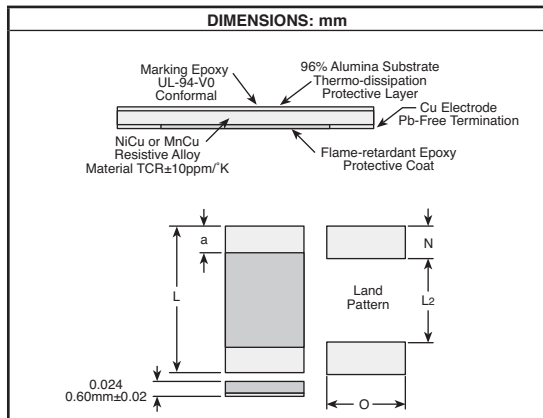


RoHS Compliant

Applications:

- Industrial/power electronics: power supply, DC/DC converter, AC/DC converter, motor controller, automotive electronics
- Battery charger, PC, PDA, 3C products, telecommunications, instruments, white goods

Size	L	W	a	N	L2	O	Solder Thickness (µm/W)
MCS1632	0.126/3.20	0.063/1.60	0.020/0.50	0.059/1.50	0.039/1.00	0.079/2.00	35/0.5, 105/1.0
MCS3264	0.252/6.40	0.126/3.20	0.040/1.00	0.079/2.00	0.165/4.20	0.150/3.80	35/1.0, 105/2.0



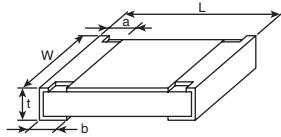
MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tolerance Value	Price Each					Reel Qty.	Price Per Piece
				1	50	100	500	1000		
1 Watt										
588-MCS1632R005FER	MCS1632R005FER	0.005	1%							500
588-MCS1632R010FER	MCS1632R010FER	0.01	1%							500
588-MCS1632R015FER	MCS1632R015FER	0.015	1%							500
588-MCS1632R020FER	MCS1632R020FER	0.02	1%							500
588-MCS1632R025FER	MCS1632R025FER	0.025	1%							500
588-MCS1632R030FER	MCS1632R030FER	0.03	1%							500
588-MCS1632R050FER	MCS1632R050FER	0.05	1%							500
2 Watt										
588-MCS3264R005FER	MCS3264R005FER	0.005	1%							400
588-MCS3264R010FER	MCS3264R010FER	0.01	1%							400
588-MCS3264R015FER	MCS3264R015FER	0.015	1%							400
588-MCS3264R020FER	MCS3264R020FER	0.02	1%							400
588-MCS3264R025FER	MCS3264R025FER	0.025	1%							400
588-MCS3264R030FER	MCS3264R030FER	0.03	1%							400
588-MCS3264R050FER	MCS3264R050FER	0.05	1%							400

PANASONIC Current Sense Resistors

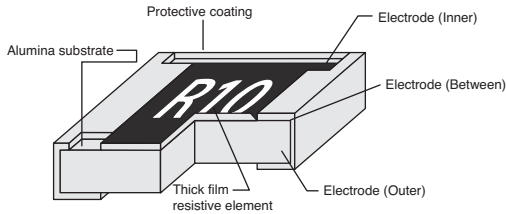


RoHS Compliant This product is RoHS compliant.

ERJ-L SERIES

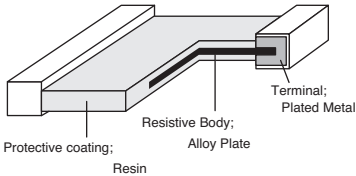


Type (in.)	DIMENSIONS: (mm)					Mass(lb) (g/1000pcs.)
	L	W	a	b	c	
ERJL03 (0603)	1.60 (±0.15)	0.80 (0.15±0.05)	0.30 (±0.20)	0.30 (±0.15)	0.45 (±0.10)	2
ERJL06 (0805)	2.00 (±0.20)	1.25 (±0.15)	0.40 (±0.20)	0.40 (±0.20)	0.60 (±0.10)	4
ERJL08 (1206)	3.20 (0.05±0.20)	1.60 (0.05±0.15)	0.50 (±0.20)	0.50 (±0.20)	0.60 (±0.10)	10
ERJL12 (1812)	4.50 (±0.20)	3.20 (±0.20)	0.50 (±0.20)	0.50 (±0.20)	0.60 (±0.10)	27
ERJL14 (1210)	3.20 (±0.20)	2.50 (±0.20)	0.50 (±0.20)	0.50 (±0.20)	0.60 (±0.10)	16
ERJL1D (2010)	5.00 (±0.20)	2.50 (±0.20)	0.60 (±0.20)	0.60 (±0.20)	0.60 (±0.10)	27
ERJL1W (2512)	6.40 (±0.20)	3.20 (±0.20)	0.65 (±0.20)	1.30 (±0.20)	1.10 (±0.10)	79

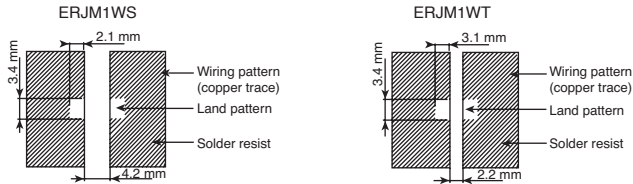


ERJ-M1W SERIES

- Features:**
- Low resistance values and high precision (1mΩ to 20mΩ)
 - Stable resistance not influenced by measurement position
 - High heat emission
 - Low profile, strong body
 - Inductance less than 1.0nH for the metal plate structure



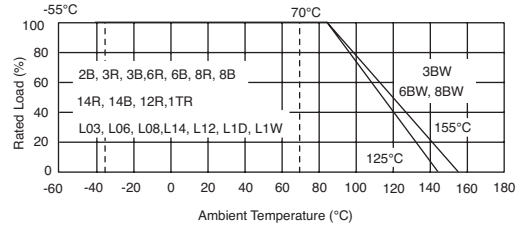
Recommended Land Pattern



DIMENSIONS: (mm)

Power Derating Curve

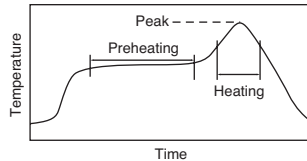
For resistors operated in ambient temperatures above 85°C, power rating shall be derated in accordance with the figure on the right.



Recommended Soldering Conditions:

- Reflow soldering shall be performed a maximum of two times
- Please contact us for additional information when used in conditions other than those specified
- Please measure the temperature of the terminals and study every kind of solder and printed circuit board for solderability before actual use

For soldering (Example: Sn/Pb)		
	Temperature	Time
Preheating	140°C to 160°C	60s to 120s
Main heating	Above 200°C	30s to 40s
Peak	235°C±5°C	max. 10s



For lead-free soldering (Example: Sn/Ag/Cu)		
	Temperature	Time
Preheating	150°C to 180°C	60s to 120s
Main heating	Above 230°C	30s to 40s
Peak	max. 260°C	max. 10s

Recommended soldering conditions for flow

	For soldering		For lead-free soldering	
	Temperature	Time	Temperature	Time
Preheating	140°C to 180°C	60s to 120s	150°C to 180°C	60s to 120s
Soldering	245°C ± 5°C	20s to 30s	max. 260°C	max. 10s

Type	Part No. (in.)	DIMENSIONS: (mm)				Mass(lb) (g/1000pcs.)
		L	W	T	a	
S Type	ERJM1WS (2512)	6.40 (±0.25)	3.25 (±0.25)	0.80 (±0.30)	1.00 (±0.25)	70
T Type	ERJM1WT (2512)	6.40 (±0.40)	0.30 (±0.25)	0.80 (±0.30)	2.10 (±0.30)	90

TABLE OF STOCKED VALUES										
Case Size	Value (mΩ)	Code	Case Size	Value (mΩ)	Code	Case Size	Value (mΩ)	Code	Value (mΩ)	Code
1206	75	75M	1812	33	33M	2512	1	1M0	12	12M
1206	100	10C	1812	39	39M	2512	1.5	1M5	15	15M
1210	100	10C	1812	47	47M	2512	2	2M0	16	16M
1210	22	22M	1812	50	50M	2512	2.5	2M5	20	20M
1210	33	33M	2010	47	47M	2512	3	3M0	47	47M
1210	39	39M	2010	75	75M	2512	4	4M0	50	50M
1210	47	47M	2010	100	10C	2512	5	5M0	100	10C
1210	50	50M				2512	6	6M0		
1212	20	20M				2512	8	8M0		
1212	22	22M				2512	10	10M		

For quantities greater than listed, call for quote.

Size	MOUSER STOCK NO.			Panasonic Part No.	Value (mΩ)	Power Rating @85°C	Tolerance	T.C.R. (ppm/°C)	Price Each			Reel Qty.	Price Per Piece
	Prefix	Value	Suffix						1	100	500		
0603	667-ERJ-L03KF	Code	V	ERJ-L03KF-Code-V	47-100	1/10W	±1%	±200				5000	
0805	667-ERJ-L06KF	Code	V	ERJ-L06KF-Code-V	47-100	1/8W	±1%	±100				5000	
1206	667-ERJ-L08KF	Code	V	ERJ-L08KF-Code-V	47-100	1/4W	±1%	±100				5000	
1210	667-ERJ-L14KF	Code	U	ERJ-L14KF-Code-U	0.1-50	0.25	±1%	±300				5000	
1812	667-ERJ-L12KF	Code	U	ERJ-L12KF-Code-U	20-50	0.5	±1%	±300				5000	
2010	667-ERJ-L1DKF	Code	U	ERJ-L1DKF-Code-U	47-100	0.5	±1%	±100				5000	
2010	667-ERJ-L1DUF	Code	U	ERJ-L1DUF-Code-U	75	0.5	±1%	±100				5000	
2512	667-ERJ-L1WKJ	Code	U	ERJ-L1WKJ-Code-U	0.1-50	1	±5%	±100				3000	
2512	667-ERJ-M1WTF	Code	U	ERJ-M1WTF-Code-U	1-1.5	1W	±1%	350±100				3000	
2512	667-ERJ-M1WSF	Code	U	ERJ-M1WSF-Code-U	3.0-4.0	1W	±1%	±350				3000	
2512	667-ERJ-M1WSJ	Code	U	ERJ-M1WSF-Code-U	5.0-20	1W	±1%	±350				3000	
2512	667-ERJ-M1WSJ	Code	U	ERJ-M1WSJ-Code-U	10-20	1	±5%	±100				3000	

SUSUMU Current Sensing Chip Resistors

 This product is RoHS compliant.

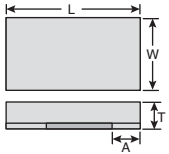
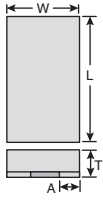
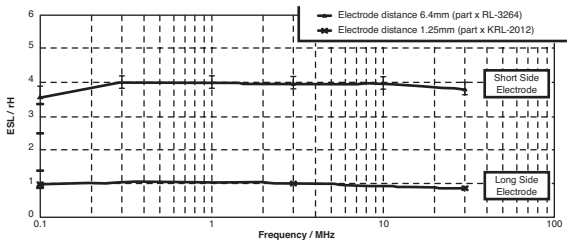
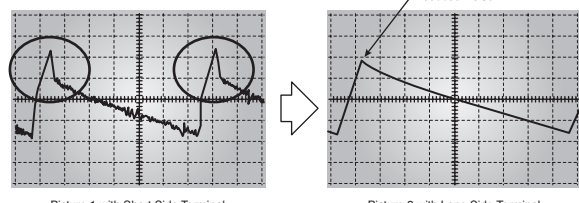
KRL SERIES

This new series will extend the resistance range from the existing RL/PRL series down to 1mΩ. The KRL series has also improved TCR to as low as +/-50ppm/oC. The new KRL series are targeted for the latest improved amplifiers that control small amounts of current and are sensitive to small changes of voltage. KRL series will make the current sensing resolution significantly higher than before.

Features:

- No hot Spots
- Low ESL (low noise)
- Low TCR 50ppm
- High operating temperature up to 170°C
- Face down mounting offers accurate sensing and higher reliability (no cracking issues)



Short-Side Terminal		Long-Side Terminal		
	Dimensions: (mm)	KRL3264		
	L	6.3 ± 0.20		
	Dimensions: (mm)	KRL3216	KRL7638	
	L	3.2 ± 0.20	7.6 ± 0.20	
	W	1.6 ± 0.20	3.8 ± 0.20	
	T	0.5 ± 0.20	0.5 ± 0.20	
	A (5.0~7.0mΩ)	1.90 ± 0.20		
	A (8.0mΩ~)	1.0 ± 0.20		
	A (1mΩ)	0.6 ± 0.20	1.35 ± 0.20	
	A (2mΩ)	0.4 ± 0.20	0.6 ± 0.20	
	A (3mΩ~)	0.3 ± 0.20	0.6 ± 0.20	
				

Current Sense

Susumu

MOUSER STOCK NO.	Susumu Part No.	Case Size	Value (Ω)	Tolerance ± (%)	Temp. Coeff. (ppm)	Price Each			Reel Quantity	Price Per Piece
						1	10	100		
1 Watt										
754-KRL3216CR001J-T1	KRL3216-C-R001-J-T1	1206	1M	5	150				1000	
754-KRL3216CR002G-T1	KRL3216-C-R002-G-T1	1206	2M	2	100				1000	
754-KRL3216CR003F-T1	KRL3216-C-R003-F-T1	1206	3M	1	50				1000	
754-KRL3216CR004F-T1	KRL3216-C-R004-F-T1	1206	4M	1	50				1000	
754-KRL3264CR005G-T1	KRL3264-C-R005-G-T1	2512	5M	2	100				1000	
754-KRL3264CR006G-T1	KRL3264-C-R006-G-T1	2512	6M	2	100				1000	
754-KRL3264CR007G-T1	KRL3264-C-R007-G-T1	2512	7M	2	100				1000	
754-KRL3264CR008G-T1	KRL3264-C-R008-G-T1	2512	8M	2	100				1000	
754-KRL3264CR009G-T1	KRL3264-C-R009-G-T1	2512	9M	2	100				1000	
754-KRL3264CR010F-T1	KRL3264-C-R010-F-T1	2512	10M	1	50				1000	
754-KRL3264CR011F-T1	KRL3264-C-R011-F-T1	2512	11M	1	50				1000	
754-KRL3264CR012F-T1	KRL3264-C-R012-F-T1	2512	12M	1	50				1000	
754-KRL3264CR013F-T1	KRL3264-C-R013-F-T1	2512	13M	1	50				1000	
754-KRL3264CR015F-T1	KRL3264-C-R015-F-T1	2512	15M	1	50				1000	
754-KRL3264CR016F-T1	KRL3264-C-R016-F-T1	2512	16M	1	50				1000	
754-KRL3264CR018F-T1	KRL3264-C-R018-F-T1	2512	18M	1	50				1000	
754-KRL3264CR020F-T1	KRL3264-C-R020-F-T1	2512	20M	1	50				1000	
754-KRL3264CR022F-T1	KRL3264-C-R022-F-T1	2512	22M	1	50				1000	
754-KRL3264CR024F-T1	KRL3264-C-R024-F-T1	2512	24M	1	50				1000	
754-KRL3264CR027F-T1	KRL3264-C-R027-F-T1	2512	27M	1	50				1000	
754-KRL3264CR030F-T1	KRL3264-C-R030-F-T1	2512	30M	1	50				1000	
754-KRL3264CR033F-T1	KRL3264-C-R033-F-T1	2512	33M	1	50				1000	
754-KRL3264CR036F-T1	KRL3264-C-R036-F-T1	2512	36M	1	50				1000	
754-KRL3264CR039F-T1	KRL3264-C-R039-F-T1	2512	39M	1	50				1000	
754-KRL3264CR043F-T1	KRL3264-C-R043-F-T1	2512	43M	1	50				1000	
754-KRL3264CR047F-T1	KRL3264-C-R047-F-T1	2512	47M	1	50				1000	
754-KRL3264CR050F-T1	KRL3264-C-R050-F-T1	2512	50M	1	50				1000	
754-KRL3264CR051F-T1	KRL3264-C-R051-F-T1	2512	51M	1	50				1000	
754-KRL3264CR056F-T1	KRL3264-C-R056-F-T1	2512	56M	1	50				1000	
754-KRL3264CR062F-T1	KRL3264-C-R062-F-T1	2512	62M	1	50				1000	
754-KRL3264CR068F-T1	KRL3264-C-R068-F-T1	2512	68M	1	50				1000	
754-KRL3264CR075F-T1	KRL3264-C-R075-F-T1	2512	75M	1	50				1000	
754-KRL3264CR082F-T1	KRL3264-C-R082-F-T1	2512	82M	1	50				1000	
754-KRL3264CR091F-T1	KRL3264-C-R091-F-T1	2512	91M	1	50				1000	
754-KRL3264CR100F-T1	KRL3264-C-R100-F-T1	2512	100M	1	50				1000	
3 Watts										
754-KRL7638CR001J-T1	KRL7638-C-R001-J-T1	3015	1M	5	150				1000	
754-KRL7638CR003F-T1	KRL7638-C-R003-F-T1	3015	3M	1	50				1000	
754-KRL7638CR004F-T1	KRL7638-C-R004-F-T1	3015	4M	1	50				1000	
754-KRL7638CR005F-T1	KRL7638-C-R005-F-T1	3015	5M	1	100				1000	
754-KRL7638CR006F-T1	KRL7638-C-R006-F-T1	3015	6M	1	100				1000	
754-KRL7638CR007F-T1	KRL7638-C-R007-F-T1	3015	7M	1	100				1000	
754-KRL7638CR008F-T1	KRL7638-C-R008-F-T1	3015	8M	1	100				1000	
754-KRL7638CR009F-T1	KRL7638-C-R009-F-T1	3015	9M	1	100				1000	
754-KRL7638CR010F-T1	KRL7638-C-R010-F-T1	3015	10M	1	50				1000	
754-KRL7638CR015F-T1	KRL7638-C-R015-F-T1	3015	15M	1	50				1000	
754-KRL7638CR018F-T1	KRL7638-C-R018-F-T1	3015	18M	1	50				1000	
754-KRL7638CR022F-T1	KRL7638-C-R022-F-T1	3015	22M	1	50				1000	
754-KRL7638CR027F-T1	KRL7638-C-R027-F-T1	3015	27M	1	50				1000	
754-KRL7638CR033F-T1	KRL7638-C-R033-F-T1	3015	33M	1	50				1000	
754-KRL7638CR050F-T1	KRL7638-C-R050-F-T1	3015	50M	1	50				1000	

SUSUMU Low ESL Current Sensing Chip Resistors

PRL SERIES

Current sensing low resistance chip resistors have become indispensable components for the power management of mobile and other devices. The requirements for such resistors used to be tight tolerance, small TCR, high power, and small size; however, as signal processing speed and switching frequency have increased, parasitic noise for these components has become a significant issue.

The PRL series, Susumu's long side terminal current sensor chip resistors, has shorter and wider resistive elements compared to their conventional short side terminal counterparts. Due to this reason, they have much less parasitic inductance (ESL), hence, less noise (see Figure 1). Figure 2 shows the pulse shape with a longer side terminal chip (Picture 2) versus a shorter side terminal chip. The reduction of noise in the longer side terminal chip is demonstrated in pulse shape.

Features:

- Power/Size: 0.33W/0603, 0.66W/0805, 1W/1206, 2W/2512
- No hot spots (smallest size for required wattage)
- Long side termination style
- Low ESL (<1nH, typical 0.5nH) low noise supplying ripple-free signals
- Low TCR (50ppm) and tight resistance tolerance (1%)

Figure 1

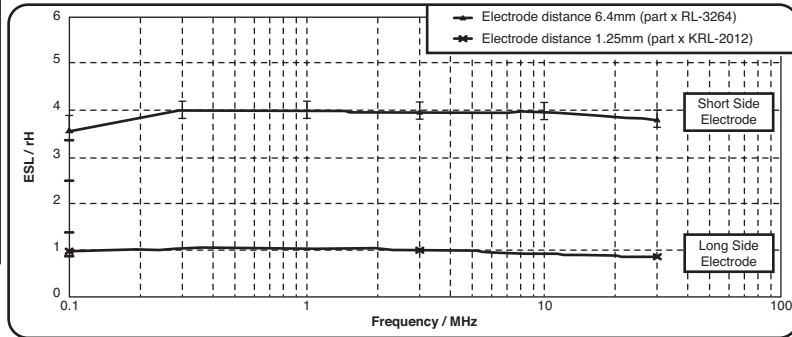
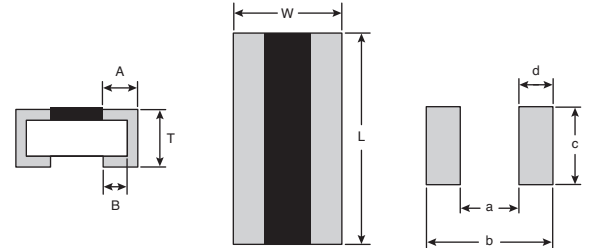
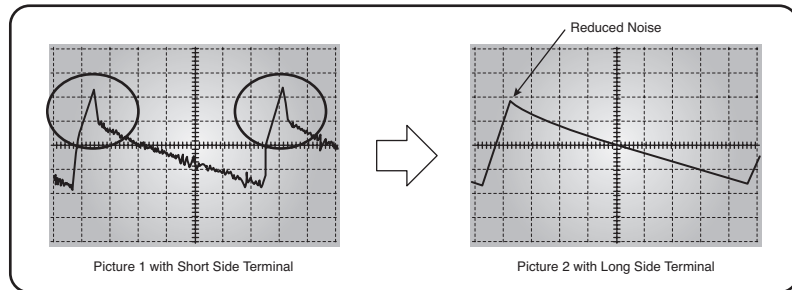


Figure 2



DIMENSIONS: (in.)	PRL0816 (0603)	PRL1220 (0805)	PRL1632 (1206)	PRL3264 (2512)
L	1.6±0.2	2.0±0.2	3.2±0.2	6.4±0.2
W	0.8±0.2	1.25±0.2	1.6±0.2	3.2±0.2
B	0.2±0.1	0.35±0.15	0.45±0.15	0.9±0.15
T	0.4±0.1	0.5±0.1	0.5±0.1	0.5±0.1

Series	a	b	c	d
PRL0816	0.4	--	2	1
PRL1220	0.55	--	2.5	1.2
PRL1632	0.7	--	4	1.4
PRL3264	1.6	--	7.5	2

*Insert Value Code from Table of Stocked Values

For quantities greater than listed, call for quote.

Size	MOUSER STOCK NO.			Susumu Part No.	Resistance (ohms)	Tolerance	Power Rating	Temperature Coefficient	Price Each		
	Prefix	Value	Suffix						1	10	100
0603	754-PRL0816-	Code	-FT1	PRL0816-Code-F-T1	11m-16m	1%	0.33Watt (1/3Watt)	0PPM/C to +350PPM/C			
0603	754-PRL0816-	Code	-FT1	PRL0816-Code-F-T1	20m-27m	1%	0.33Watt (1/3Watt)	0PPM/C to +200PPM/C			
0603	754-PRL0816-	Code	-FT1	PRL0816-Code-F-T1	30m-68m	1%	0.33Watt (1/3Watt)	±100PPM/C			
0603	754-PRL0816-	Code	-FT1	PRL0816-Code-F-T1	75m-100m	1%	0.33Watt (1/3Watt)	±50PPM/C			
0805	754-PRL0816-	Code	-FT1	PRL0816-Code-F-T1	10m	1%	0.33Watt (1/3Watt)	0PPM/C to +350PP/C			
0805	754-PRL1220-	Code	-FT1	PRL1220-Code-F-T1	10m-18m	1%	0.67Watt (2/3Watt)	0PPM/C to +200PP/C			
0805	754-PRL1220-	Code	-FT1	PRL1220-Code-F-T1	20m-51m	1%	0.67Watt (2/3Watt)	±100PPM/C			
1206	754-PRL1220-	Code	-FT1	PRL1220-Code-F-T1	56m-100m	1%	0.67Watt (2/3Watt)	±50PPM/C			
1206	754-PRL1632-	Code	-FT1	PRL1632-Code-F-T1	5m-9m	1%	1Watt	0PPM/C to +350PPM/C			
1206	754-PRL1632-	Code	-FT1	PRL1632-Code-F-T1	10m-18m	1%	1Watt	0PPM/C to +200PPM/C			
1206	754-PRL1632-	Code	-FT1	PRL1632-Code-F-T1	20m-51m	1%	1Watt	±100PPM/C			
1206	754-PRL1632-	Code	-FT1	PRL1632-Code-F-T1	56m-100m	1%	1Watt	±50PPM/C			
2512	754-PRL3264-	Code	-FT1	PRL3264-Code-F-T1	10m-18m	1%	2Watts	0PPM/C to +200PPM/C			
2512	754-PRL3264-	Code	-FT1	PRL3264-Code-F-T1	20m-51m	1%	2Watts	±100PPM/C			
2512	754-PRL3264-	Code	-FT1	PRL3264-Code-F-T1	56m-100m	1%	2Watts	±50PPM/C			

TABLE OF STOCKED VALUES

Value	Value Code *	Case Sizes				Value	Value Code *	Case Sizes				Value	Value Code *	Case Sizes			
		0603	0805	1206	2512			0603	0805	1206	2512			0603	0805	1206	2512
5m	R005			X		18m	R018		X	X	X	47m	R047	X	X	X	X
6m	R006			X		20m	R020	X	X	X	X	50m	R050	X	X	X	X
7m	R007			X		22m	R022	X	X		X	51m	R051	X		X	X
8m	R008			X		24m	R024		X	X		56m	R056	X	X	X	X
9m	R009			X		25m	R025	X			X	62m	R062	X	X	X	X
10m	R010	X	X	X	X	27m	R027	X	X	X	X	68m	R068	X	X	X	X
11m	R011	X	X	X	X	30m	R030	X	X	X	X	75m	R075	X	X	X	X
12m	R012	X	X	X		33m	R033	X	X	X		82m	R082	X	X	X	X
13m	R013	X	X	X	X	36m	R036	X		X	X	91m	R091	X	X	X	
15m	R015	X	X	X		39m	R039	X	X	X	X	100m	R100	X	X	X	X
16m	R016		X	X		43m	R043		X	X	X						

VISHAY/DALE Power Metal Strip® Resistors



WSL SERIES

Features:

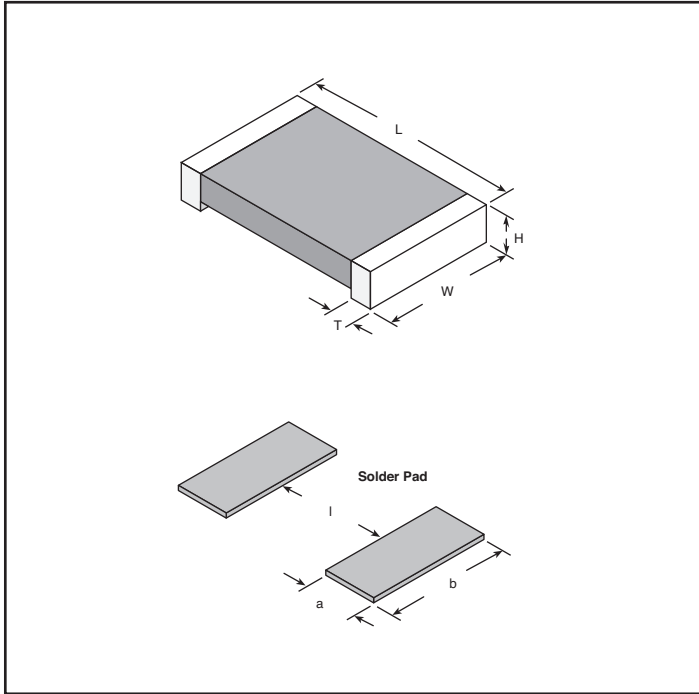
- Ideal for all types of current sensing, voltage division and pulse applications including switching and linear power supplies, instruments, and power amplifiers.
- Solid metal Nickel-Chrome or Manganese-Copper alloy resistive element with low TCR (<20ppm/°C)
- Solderable terminations
- Very low inductance 0.5nH to 5nH
- Low thermal EMF



LEAD-FREE



RoHS Compliant



Series Type	Resistance Range (Ω)	DIMENSIONS: in. (mm)						
		L	W	H	T	a	b	i
WSL0603	1.01-0.1	0.060±0.010 (1.52±0.254)	0.030±0.010 (0.76±0.254)	0.013±0.005 (0.330±0.127)	0.015±0.010 (0.381±0.254)	0.040 (1.01)	0.040 (1.01)	0.020 (0.50)
WSL0805	0.01-0.2	0.080±0.010 (2.03±0.254)	0.050±0.010 (1.27±0.254)	0.013±0.005 (0.330±0.127)	0.015±0.010 (0.381±0.254)	0.040 (1.01)	0.050 (1.27)	0.020 (0.50)
WSL1206	0.001-0.0019	0.126±0.010 (3.20±0.254)	0.063±0.010 (1.60±0.254)	0.025±0.010 (0.635±0.254)	0.041±0.010 (1.04±0.254)	0.062 (1.57)	0.070 (1.78)	0.030 (1.40)
	0.002-0.0059	0.126±0.010 (3.20±0.254)	0.063±0.010 (1.60±0.254)	0.025±0.010 (0.635±0.254)	0.025±0.010 (0.635±0.254)	0.062 (1.57)	0.070 (1.78)	0.030 (1.40)
WSL2010	0.001-0.0069	0.200±0.010 (5.08±0.254)	0.100±0.010 (2.54±0.254)	0.025±0.010 (0.635±0.254)	0.058±0.010 (1.47±0.254)	0.093 (2.36)	0.120 (3.05)	0.055 (1.40)
	0.007-0.05	0.200±0.010 (5.08±0.254)	0.100±0.010 (2.54±0.254)	0.025±0.010 (0.635±0.254)	0.020±0.010 (0.508±0.254)	0.055 (1.40)	0.120 (3.05)	0.130 (3.30)
WSL2512	0.001-0.0049	0.250±0.010 (6.35±0.254)	0.125±0.010 (3.18±0.254)	0.025±0.010 (0.635±0.254)	0.087±0.010 (2.21±0.254)	0.120 (3.05)	0.145 (3.68)	0.050 (1.27)
	0.005-0.0069	0.250±0.010 (6.35±0.254)	0.125±0.010 (3.18±0.254)	0.025±0.010 (0.635±0.254)	0.047±0.010 (1.19±0.254)	0.083 (2.11)	0.145 (3.68)	0.125 (3.18)
	0.007-0.5	0.250±0.010 (6.35±0.254)	0.125±0.010 (3.18±0.254)	0.025±0.010 (0.635±0.254)	0.030±0.010 (0.762±0.254)	0.065 (1.65)	0.145 (3.68)	0.160 (4.06)

WSL0603, 1/10 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
71-WSL0603R0100FEA	WSL0603R0100FEA	0.01				
71-WSL0603R0150FEA	WSL0603R0150FEA	0.015				
71-WSL0603R0160FEA	WSL0603R0160FEA	0.016				
71-WSL0603R0180FEA	WSL0603R0180FEA	0.018				
71-WSL0603R0200FEA	WSL0603R0200FEA	0.02				
71-WSL0603R0220FEA	WSL0603R0220FEA	0.022				
71-WSL0603R0250FEA	WSL0603R0250FEA	0.025				
71-WSL0603R0300FEA	WSL0603R0300FEA	0.03				
71-WSL0603R0330FEA	WSL0603R0330FEA	0.033				
71-WSL0603R0500FEA	WSL0603R0500FEA	0.05				
71-WSL0603R0510FEA	WSL0603R0510FEA	0.051				
71-WSL0603R1000FEA	WSL0603R1000FEA	0.1				

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WSL0805, 1/8 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each				
			1	100	500	1000	5000
71-WSL0805R0500FEA	WSL0805R0500FEA	0.05					
71-WSL0805R0800FEA	WSL0805R0800FEA	0.08					
71-WSL0805R1000FEA	WSL0805R1000FEA	0.1					
71-WSL0805R1500FEA	WSL0805R1500FEA	0.15					

WSL1206, 1/4 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each				
			1	100	500	1000	4000
71-WSL1206R0100FEA	WSL1206R0100FEA	0.01					
71-WSL1206R0150FEA	WSL1206R0150FEA	0.015					
71-WSL1206R0200FEA	WSL1206R0200FEA	0.02					
71-WSL1206R0250FEA	WSL1206R0250FEA	0.025					
71-WSL1206R0300FEA	WSL1206R0300FEA	0.03					
71-WSL1206R0330FEA	WSL1206R0330FEA	0.033					
71-WSL1206R0400FEA	WSL1206R0400FEA	0.04					
71-WSL1206R0470FEA	WSL1206R0470FEA	0.047					
71-WSL1206R0500FEA	WSL1206R0500FEA	0.05					
71-WSL1206R0600FEA	WSL1206R0600FEA	0.06					
71-WSL1206R0650FEA	WSL1206R0650FEA	0.065					
71-WSL1206R0680FEA	WSL1206R0680FEA	0.068					
71-WSL1206R0800FEA	WSL1206R0800FEA	0.08					
71-WSL1206R1000FEA	WSL1206R1000FEA	0.1					
71-WSL1206R1500FEA	WSL1206R1500FEA	0.15					
71-WSL1206R2000FEA	WSL1206R2000FEA	0.2					
71-WSL1206R2500FEA	WSL1206R2500FEA	0.25					

WSL2010, 1/2 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each				
			1	100	500	1000	4000
71-WSL2010R000FEA	WSL2010R000FEA	0.004					
71-WSL2010R0005FEA	WSL2010R0005FEA	0.005					
71-WSL2010R0007FEA	WSL2010R0007FEA	0.007					
71-WSL2010R0100FEA	WSL2010R0100FEA	0.01					
71-WSL2010R0150FEA	WSL2010R0150FEA	0.015					
71-WSL2010R0200FEA	WSL2010R0200FEA	0.02					
71-WSL2010R0250FEA	WSL2010R0250FEA	0.025					
71-WSL2010R0300FEA	WSL2010R0300FEA	0.03					
71-WSL2010R0330FEA	WSL2010R0330FEA	0.033					
71-WSL2010R0400FEA	WSL2010R0400FEA	0.04					
71-WSL2010R0500FEA	WSL2010R0500FEA	0.05					
71-WSL2010R1000FEA	WSL2010R1000FEA	0.1					
71-WSL2010R1200FEA	WSL2010R1200FEA	0.12					
71-WSL2010R1500FEA	WSL2010R1500FEA	0.15					
71-WSL2010R1800FEA	WSL2010R1800FEA	0.18					
71-WSL2010R2000FEA	WSL2010R2000FEA	0.2					
71-WSL2010R2200FEA	WSL2010R2200FEA	0.22					
71-WSL2010R2500FEA	WSL2010R2500FEA	0.25					
71-WSL2010R3000FEA	WSL2010R3000FEA	0.3					
71-WSL2010R3320FEA	WSL2010R3320FEA	0.332					
71-WSL2010R4000FEA	WSL2010R4000FEA	0.4					
71-WSL2010R4700FEA	WSL2010R4700FEA	0.47					
71-WSL2010R5000FEA	WSL2010R5000FEA	0.5					

WSL2512, 1 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each				
			1	100	500	1000	2000
71-WSL2512R000FEA	WSL2512R000FEA	0.003					
71-WSL2512R0004FEA	WSL2512R0004FEA	0.004					
71-WSL2512R0005FEA	WSL2512R0005FEA	0.005					
71-WSL2512R0006FEA	WSL2512R0006FEA	0.006					
71-WSL2512R0007FEA	WSL2512R0007FEA	0.007					
71-WSL2512R0100FEA	WSL2512R0100FEA	0.01					
71-WSL2512R0120FEA	WSL2512R0120FEA	0.012					
71-WSL2512R0150FEA	WSL2512R0150FEA	0.015					
71-WSL2512R0200FEA	WSL2512R0200FEA	0.02					
71-WSL2512R0220FEA	WSL2512R0220FEA	0.022					
71-WSL2512R0240FEA	WSL2512R0240FEA	0.024					
71-WSL2512R0250FEA	WSL2512R0250FEA	0.025					
71-WSL2512R0300FEA	WSL2512R0300FEA	0.03					
71-WSL2512R0330FEA	WSL2512R0330FEA	0.033					
71-WSL2512R0400FEA	WSL2512R0400FEA	0.04					
71-WSL2512R0500FEA	WSL2512R0500FEA	0.05					
71-WSL2512R0560FEA	WSL2512R0560FEA	0.056					
71-WSL2512R0620FEA	WSL2512R0620FEA	0.062					
71-WSL2512R0680FEA	WSL2512R0680FEA	0.068					
71-WSL2512R0750FEA	WSL2512R0750FEA	0.075					
71-WSL2512R0800FEA	WSL2512R0800FEA	0.08					
71-WSL2512R1000FEA	WSL2512R1000FEA	0.1					
71-WSL2512R1500FEA	WSL2512R1500FEA	0.15					
71-WSL2512R2000FEA	WSL2512R2000FEA	0.2					
71-WSL2512R2500FEA	WSL2512R2500FEA	0.25					
71-WSL2512R3000FEA	WSL2512R3000FEA	0.3					
71-WSL2512R3300FEA	WSL2512R3300FEA	0.33					
71-WSL2512R4000FEA	WSL2512R4000FEA	0.4					
71-WSL2512R4700FEA	WSL2512R4700FEA	0.47					
71-WSL2512R5000FEA	WSL2512R5000FEA	0.5					

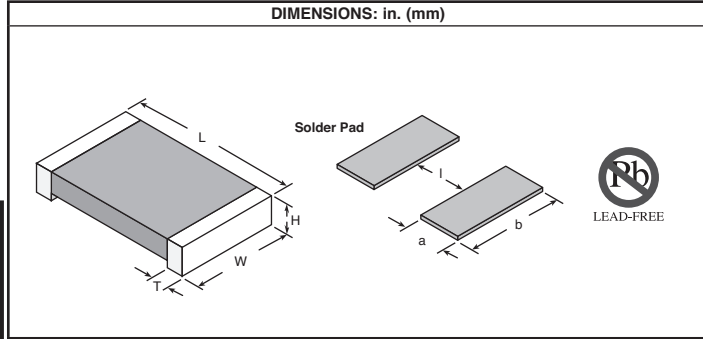
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VISHAY/DALE Power Metal Strip® Resistors



RoHS Compliant This product is RoHS compliant.

WSP - 0603, 0805 AND 1206 SERIES - HIGH POWER, LOW VALUE, SMD



Model	Resistance Range (Ω)	DIMENSIONS: in. (mm)				Solder Pad Dimensions: in. (mm)		
		L	W	H	T	a	b	l
WSP0603	0.01 to 0.1	.060±.010 (1.52±.254)	.030±.010 (.76±.254)	.013±.010 (.330±.254)	.015±.010 (.381±.254)	.040 (1.02)	.040 (1.02)	.020 (.50)
WSP0805	0.01 to 0.05	.080±.010 (2.03±.254)	.050±.010 (1.27±.254)	.013±.010 (.330±.254)	.015±.010 (.381±.254)	.040 (1.02)	.050 (1.27)	.020 (.50)
WSP1206	0.001 to 0.0019	.126±.010 (3.20±0.254)	.063±.010 (1.60±.254)	.025±.010 (.635±.254)	.041±.010 (1.04±.254)	.062 (1.57)	.070 (1.78)	.030 (.76)
	0.002 to 0.0059				.025±.010 (.635±.254)			
	0.006 to 0.075				.020±.010 (.508±.254)			

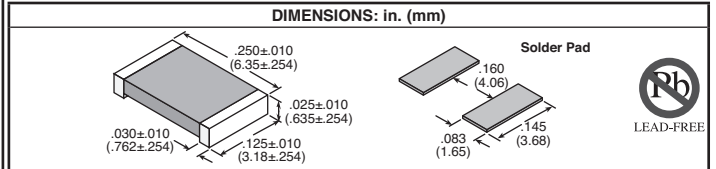
- Features:**
- Ideal for all types of current sensing and pulse applications including switching and linear power supplies, instruments, power amplifiers and shunts
 - Proprietary processing technique produces extremely low resistance values (down to 0.001Ω)
 - Solid metal nickel-chrome or manganese-copper alloy resistive element with low TCR (<20ppm/°C)

- Excellent frequency response to 50MHz
- Very high power to foot print size ratio
- Very low inductance (0.5nH to 5nH)
- Low thermal EMF (<3μV/°C)
- All welded construction

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
0.4 Watt: WSP0603 Series						
71-WSP0603R0100FEA	WSP0603R0100FEA	0.01				
71-WSP0603R0150FEA	WSP0603R0150FEA	0.015				
71-WSP0603R0160FEA	WSP0603R0160FEA	0.016				
71-WSP0603R0180FEA	WSP0603R0180FEA	0.018				
71-WSP0603R0200FEA	WSP0603R0200FEA	0.02				
71-WSP0603R0220FEA	WSP0603R0220FEA	0.022				
71-WSP0603R0250FEA	WSP0603R0250FEA	0.025				
71-WSP0603R0300FEA	WSP0603R0300FEA	0.03				
71-WSP0603R0330FEA	WSP0603R0330FEA	0.033				
71-WSP0603R0400FEA	WSP0603R0400FEA	0.04				
71-WSP0603R0470FEA	WSP0603R0470FEA	0.047				
71-WSP0603R0500FEA	WSP0603R0500FEA	0.05				
71-WSP0603R0510FEA	WSP0603R0510FEA	0.051				
71-WSP0603R0600FEA	WSP0603R0600FEA	0.06				
71-WSP0603R0680FEA	WSP0603R0680FEA	0.068				
71-WSP0603R0750FEA	WSP0603R0750FEA	0.075				
71-WSP0603R0800FEA	WSP0603R0800FEA	0.08				
71-WSP0603R0900FEA	WSP0603R0900FEA	0.09				
71-WSP0603R1000FEA	WSP0603R1000FEA	0.1				
1/2 Watt: WSP0805 Series						
71-WSP0805R0100FEA	WSP0805R0100FEA	0.01				
71-WSP0805R0120FEA	WSP0805R0120FEA	0.012				
71-WSP0805R0150FEA	WSP0805R0150FEA	0.015				
71-WSP0805R0160FEA	WSP0805R0160FEA	0.016				
71-WSP0805R0180FEA	WSP0805R0180FEA	0.018				
71-WSP0805R0200FEA	WSP0805R0200FEA	0.02				
71-WSP0805R0220FEA	WSP0805R0220FEA	0.022				
71-WSP0805R0240FEA	WSP0805R0240FEA	0.024				
71-WSP0805R0250FEA	WSP0805R0250FEA	0.025				
71-WSP0805R0270FEA	WSP0805R0270FEA	0.027				
71-WSP0805R0300FEA	WSP0805R0300FEA	0.03				
71-WSP0805R0330FEA	WSP0805R0330FEA	0.033				
71-WSP0805R0350FEA	WSP0805R0350FEA	0.035				
71-WSP0805R0400FEA	WSP0805R0400FEA	0.04				
71-WSP0805R0470FEA	WSP0805R0470FEA	0.047				
71-WSP0805R0500FEA	WSP0805R0500FEA	0.05				
1 Watt: WSP1206 Series						
71-WSP1206-0.005-E3	WSP1206L000FEB	0.005				
71-WSP1206-0.01-E3	WSP1206R0100FEB	0.01				
71-WSP1206-0.015-E3	WSP1206R0150FEB	0.015				
71-WSP1206-0.02-E3	WSP1206R0200FEB	0.02				
71-WSP1206-0.03-E3	WSP1206R0300FEB	0.03				
71-WSP1206-0.05-E3	WSP1206R0500FEB	0.05				

WST-2512 SERIES - 1 WATT, HIGH TEMPERATURE, LOW VALUE, SMD

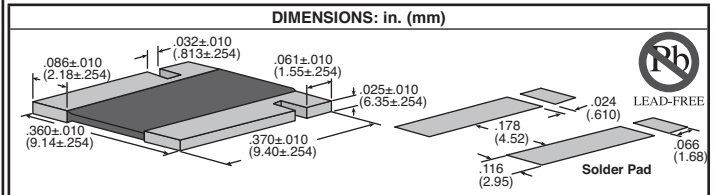


- Features:**
- Proprietary processing technique produces extremely low resistance values
 - Solid metal nickel-chrome alloy resistive element with low TCR (<20ppm/°C)
 - Very low inductance (<5nH)
 - Low thermal EMF (<3μV/°C)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
71-WST2512-0.01-E3	WST2512R0100FEB	0.01				
71-WST2512-0.015-E3	WST2512R0150FEB	0.015				
71-WST2512-0.02-E3	WST2512R0200FEB	0.02				
71-WST2512-0.05-E3	WST2512R0500FEB	0.05				
71-WST2512-0.1-E3	WST2512R1000FEB	0.1				
71-WST2512-0.2-E3	WST2512R2000FEB	0.2				
71-WST2512-0.5-E3	WST2512R5000FEB	0.5				

WSL3637 SERIES - 3 WATT, LOW VALUE, 4-TERMINAL, SMD

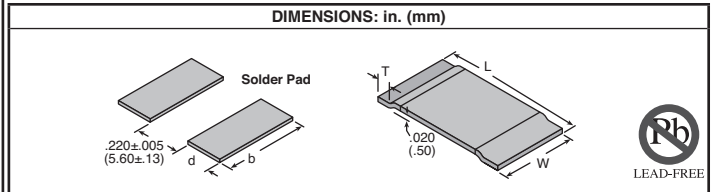


- Features:**
- 4-Terminal design allows for 0.5% resistance tolerance down to 0.003Ω
 - Ideal for all types of current sensing, voltage division, pulse applications including switching, linear power supplies, instruments and power amplifiers
 - Standard 1% tolerance (0.5% is available)
 - Solid metal nickel-chrome alloy resistive element
 - All welded construction
 - Solderable terminations

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
71-WSL3637-0.003-E3	WSL3637L000FEB	0.003				
71-WSL3637-0.004-E3	WSL3637L000FEB	0.004				
71-WSL3637-0.005-E3	WSL3637L000FEB	0.005				
71-WSL3637-0.006-E3	WSL3637L000FEB	0.006				
71-WSL3637-0.007-E3	WSL3637L000FEB	0.007				
71-WSL3637-0.008-E3	WSL3637L000FEB	0.008				
71-WSL3637-0.01-E3	WSL3637R0100FEB	0.01				

WSL3921 AND WSL5931 SERIES - LOW VALUE, SMD



Series Type	DIMENSIONS: in. (mm)				
	L	W	T	d	b
WSL3921	0.394±0.010 (10.0±0.254)	0.205±0.010 (5.20±0.254)	0.080±0.010 (2.00±0.254)	.0106±0.010 (.270±0.254)	0.244±0.010 (6.20±0.254)
WSL5931	0.591±0.010 (15.0±0.254)	0.305±0.010 (7.75±0.254)	0.157±0.010 (4.00±0.254)	.0205±0.010 (5.20±0.254)	0.244±0.010 (8.75±0.254)

- Features:**
- Ideal for all types of current sensing, voltage division, pulse applications, switching and linear power supplies, instruments and power amplifiers
 - Solid metal iron-chrome or manganese-copper alloy resistive element
 - Standard 1% tolerance (5% is available)
 - 100% lead (Pb)-free and RoHS compliant
 - Proprietary processing technique produces extremely low resistance values
 - Very low inductance 0.5nH to 5nH
 - All welded construction

For quantities greater than listed, call for quote.

3 Watt: WSL3921 Series						
MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	1	100	500	1000
71-WSL3921-0.0003-E3	WSL3921L3000FEB	0.0003				
71-WSL3921-0.0005-E3	WSL3921L5000FEB	0.0005				
71-WSL3921-0.001-E3	WSL3921L1000FEB	0.001				
71-WSL3921-0.002-E3	WSL3921L2000FEB	0.002				
71-WSL3921-0.003-E3	WSL3921L3000FEB	0.003				
71-WSL3921-0.004-E3	WSL3921L4000FEB	0.004				
5 Watt: WSL5931 Series						
71-WSL5931-0.0002-E3	WSL5931L2000FEB	0.0002				
71-WSL5931-0.0003-E3	WSL5931L3000FEB	0.0003				
71-WSL5931-0.0005-E3	WSL5931L5000FEB	0.0005				
71-WSL5931-0.001-E3	WSL5931L1000FEB	0.001				
71-WSL5931-0.002-E3	WSL5931L2000FEB	0.002				
71-WSL5931-0.003-E3	WSL5931L3000FEB	0.003				

VISHAY/DALE Current Sensing SMD Resistors



RCWE AND RCWL SERIES - THICK FILM - CHIP RESISTORS

Features:

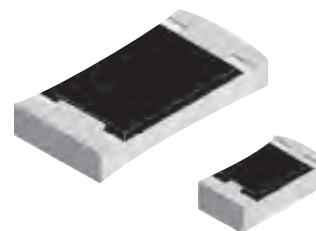
- Extremely low resistance values (0.01Ω to 0.976Ω)
- Halogen-free according to IEC 61249-2-21
- Suitable for current sensing and shunts
- Metal glaze on high quality ceramic
- Protective overglaze

Specifications:

- Resistance Tolerance: ±1%, ±5%
- Operating Temp. Range: -55°C to +155°C
- Cut tape and reels available



RoHS Compliant



RCWE SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each				Reel Qty.	Price Per Piece
			1	50	100	500		
0402 Case Size - 1/8 Watt 100ppm								
71-RCWE0402R200FKEA	RCWE0402R200FKEA	.20				10000		
71-RCWE0402R300FKEA	RCWE0402R300FKEA	.30				10000		
71-RCWE0402R220FKEA	RCWE0402R220FKEA	.22				10000		
71-RCWE0402R240FKEA	RCWE0402R240FKEA	.24				10000		
71-RCWE0402R270FKEA	RCWE0402R270FKEA	.27				10000		
71-RCWE0402R330FKEA	RCWE0402R330FKEA	.33				10000		
71-RCWE0402R360FKEA	RCWE0402R360FKEA	.36				10000		
71-RCWE0402R390FKEA	RCWE0402R390FKEA	.39				10000		
71-RCWE0402R430FKEA	RCWE0402R430FKEA	.43				10000		
71-RCWE0402R470FKEA	RCWE0402R470FKEA	.47				10000		
71-RCWE0402R510FKEA	RCWE0402R510FKEA	.51				10000		
71-RCWE0402R560FKEA	RCWE0402R560FKEA	.56				10000		
71-RCWE0402R620FKEA	RCWE0402R620FKEA	.62				10000		
71-RCWE0402R680FKEA	RCWE0402R680FKEA	.68				10000		
71-RCWE0402R750FKEA	RCWE0402R750FKEA	.75				10000		
71-RCWE0402R820FKEA	RCWE0402R820FKEA	.82				10000		
71-RCWE0402R910FKEA	RCWE0402R910FKEA	.91				10000		
0402 Case Size - 1/8 Watt 200ppm								
71-RCWE0402R110FNEA	RCWE0402R110FNEA	.11				10000		
71-RCWE0402R120FNEA	RCWE0402R120FNEA	.12				10000		
71-RCWE0402R130FNEA	RCWE0402R130FNEA	.13				10000		
71-RCWE0402R150FNEA	RCWE0402R150FNEA	.15				10000		
71-RCWE0402R160FNEA	RCWE0402R160FNEA	.16				10000		
71-RCWE0402R180FNEA	RCWE0402R180FNEA	.18				10000		
0603 Case Size - 1/5 Watt 100ppm								
71-RCWE0603R200FKEA	RCWE0603R200FKEA	.20				5000		
71-RCWE0603R300FKEA	RCWE0603R300FKEA	.30				5000		
71-RCWE0603R110FKEA	RCWE0603R110FKEA	.11				5000		
71-RCWE0603R120FKEA	RCWE0603R120FKEA	.12				5000		
71-RCWE0603R130FKEA	RCWE0603R130FKEA	.13				5000		
71-RCWE0603R150FKEA	RCWE0603R150FKEA	.15				5000		
71-RCWE0603R160FKEA	RCWE0603R160FKEA	.16				5000		
71-RCWE0603R180FKEA	RCWE0603R180FKEA	.18				5000		
71-RCWE0603R220FKEA	RCWE0603R220FKEA	.22				5000		
71-RCWE0603R240FKEA	RCWE0603R240FKEA	.24				5000		
71-RCWE0603R270FKEA	RCWE0603R270FKEA	.27				5000		
71-RCWE0603R330FKEA	RCWE0603R330FKEA	.33				5000		
71-RCWE0603R360FKEA	RCWE0603R360FKEA	.36				5000		
71-RCWE0603R390FKEA	RCWE0603R390FKEA	.39				5000		
71-RCWE0603R430FKEA	RCWE0603R430FKEA	.43				5000		
71-RCWE0603R470FKEA	RCWE0603R470FKEA	.47				5000		
71-RCWE0603R510FKEA	RCWE0603R510FKEA	.51				5000		
71-RCWE0603R560FKEA	RCWE0603R560FKEA	.56				5000		
71-RCWE0603R620FKEA	RCWE0603R620FKEA	.62				5000		
71-RCWE0603R680FKEA	RCWE0603R680FKEA	.68				5000		
71-RCWE0603R750FKEA	RCWE0603R750FKEA	.75				5000		
71-RCWE0603R820FKEA	RCWE0603R820FKEA	.82				5000		
71-RCWE0603R910FKEA	RCWE0603R910FKEA	.91				5000		
0805 Case Size - 1/4 Watt 100ppm								
71-RCWE0805R300FKEA	RCWE0805R300FKEA	.30				5000		
71-RCWE0805R220FKEA	RCWE0805R220FKEA	.22				5000		
71-RCWE0805R240FKEA	RCWE0805R240FKEA	.24				5000		
71-RCWE0805R270FKEA	RCWE0805R270FKEA	.27				5000		
71-RCWE0805R330FKEA	RCWE0805R330FKEA	.33				5000		
71-RCWE0805R360FKEA	RCWE0805R360FKEA	.36				5000		
71-RCWE0805R390FKEA	RCWE0805R390FKEA	.39				5000		
71-RCWE0805R430FKEA	RCWE0805R430FKEA	.43				5000		
71-RCWE0805R470FKEA	RCWE0805R470FKEA	.47				5000		
71-RCWE0805R510FKEA	RCWE0805R510FKEA	.51				5000		
71-RCWE0805R560FKEA	RCWE0805R560FKEA	.56				5000		
71-RCWE0805R620FKEA	RCWE0805R620FKEA	.62				5000		
71-RCWE0805R680FKEA	RCWE0805R680FKEA	.68				5000		
71-RCWE0805R750FKEA	RCWE0805R750FKEA	.75				5000		
71-RCWE0805R820FKEA	RCWE0805R820FKEA	.82				5000		
71-RCWE0805R910FKEA	RCWE0805R910FKEA	.91				5000		
1206 Case Size - 1/2 Watt 100ppm								
71-RCWE1206R300FKEA	RCWE1206R300FKEA	.30				5000		
71-RCWE1206R220FKEA	RCWE1206R220FKEA	.22				5000		
71-RCWE1206R240FKEA	RCWE1206R240FKEA	.24				5000		
71-RCWE1206R270FKEA	RCWE1206R270FKEA	.27				5000		
71-RCWE1206R330FKEA	RCWE1206R330FKEA	.33				5000		
71-RCWE1206R360FKEA	RCWE1206R360FKEA	.36				5000		
71-RCWE1206R390FKEA	RCWE1206R390FKEA	.39				5000		

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each				Reel Qty.	Price Per Piece
			1	50	100	500		
1206 Case Size (Cont.) - 1/2 Watt 100ppm								
71-RCWE1206R430FKEA	RCWE1206R430FKEA	.43				5000		
71-RCWE1206R470FKEA	RCWE1206R470FKEA	.47				5000		
71-RCWE1206R510FKEA	RCWE1206R510FKEA	.51				5000		
71-RCWE1206R560FKEA	RCWE1206R560FKEA	.56				5000		
71-RCWE1206R620FKEA	RCWE1206R620FKEA	.62				5000		
71-RCWE1206R680FKEA	RCWE1206R680FKEA	.68				5000		
71-RCWE1206R750FKEA	RCWE1206R750FKEA	.75				5000		
71-RCWE1206R820FKEA	RCWE1206R820FKEA	.82				5000		
71-RCWE1206R910FKEA	RCWE1206R910FKEA	.91				5000		
1210 Case Size - 1 Watt 100ppm								
71-RCWE1210R300FKEA	RCWE1210R300FKEA	.30				5000		
71-RCWE1210R220FKEA	RCWE1210R220FKEA	.22				5000		
71-RCWE1210R240FKEA	RCWE1210R240FKEA	.24				5000		
71-RCWE1210R270FKEA	RCWE1210R270FKEA	.27				5000		
71-RCWE1210R330FKEA	RCWE1210R330FKEA	.33				5000		
71-RCWE1210R360FKEA	RCWE1210R360FKEA	.36				5000		
71-RCWE1210R390FKEA	RCWE1210R390FKEA	.39				5000		
71-RCWE1210R430FKEA	RCWE1210R430FKEA	.43				5000		
71-RCWE1210R470FKEA	RCWE1210R470FKEA	.47				5000		
71-RCWE1210R510FKEA	RCWE1210R510FKEA	.51				5000		
71-RCWE1210R560FKEA	RCWE1210R560FKEA	.56				5000		
71-RCWE1210R620FKEA	RCWE1210R620FKEA	.62				5000		
71-RCWE1210R680FKEA	RCWE1210R680FKEA	.68				5000		
71-RCWE1210R750FKEA	RCWE1210R750FKEA	.75				5000		
71-RCWE1210R820FKEA	RCWE1210R820FKEA	.82				5000		
71-RCWE1210R910FKEA	RCWE1210R910FKEA	.91				5000		
2010 Case Size - 1 Watt 100ppm								
71-RCWE2010R510FKEA	RCWE2010R510FKEA	.51				4000		
71-RCWE2010R560FKEA	RCWE2010R560FKEA	.56				4000		
71-RCWE2010R620FKEA	RCWE2010R620FKEA	.62				4000		
71-RCWE2010R680FKEA	RCWE2010R680FKEA	.68				4000		
71-RCWE2010R750FKEA	RCWE2010R750FKEA	.75				4000		
71-RCWE2010R820FKEA	RCWE2010R820FKEA	.82				4000		
71-RCWE2010R910FKEA	RCWE2010R910FKEA	.91				4000		
2512 Case Size - 2 Watts 100ppm								
71-RCWE2512R510FKEA	RCWE2512R510FKEA	.51				2000		
71-RCWE2512R560FKEA	RCWE2512R560FKEA	.56				2000		
71-RCWE2512R620FKEA	RCWE2512R620FKEA	.62				2000		
71-RCWE2512R680FKEA	RCWE2512R680FKEA	.68				2000		
71-RCWE2512R750FKEA	RCWE2512R750FKEA	.75				2000		
71-RCWE2512R820FKEA	RCWE2512R820FKEA	.82				2000		
71-RCWE2512R910FKEA	RCWE2512R910FKEA	.91				2000		
RCWL SERIES								
For quantities greater than listed, call for quote.								
MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each				Reel Qty.	Price Per Piece
			1	50	100	500		
0402 Case Size - 1/16 Watt 400ppm								
71-RCWL0402R470JQEA	RCWL0402R470JQEA	.47				10000		
71-RCWL0402R510JQEA	RCWL0402R510JQEA	.51				10000		
71-RCWL0402R560JQEA	RCWL0402R560JQEA	.56				10000		
71-RCWL0402R620JQEA	RCWL0402R620JQEA	.62				10000		
71-RCWL0402R680JQEA	RCWL0402R680JQEA	.68				10000		
71-RCWL0402R750JQEA	RCWL0402R750JQEA	.75				10000		
71-RCWL0402R820JQEA	RCWL0402R820JQEA	.82				10000		
71-RCWL0402R910JQEA	RCWL0402R910JQEA	.91				10000		
0402 Case Size - 1/16 Watt 600ppm								
71-RCWL0402R300JTEA	RCWL0402R300JTEA	.30				10000		
71-RCWL0402R220JTEA	RCWL0402R220JTEA	.22				10000		
71-RCWL0402R240JTEA	RCWL0402R240JTEA	.24				10000		
71-RCWL0402R270JTEA	RCWL0402R270JTEA	.27				10000		
71-RCWL0402R330JTEA	RCWL0402R330JTEA	.33				10000		
71-RCWL0402R360JTEA	RCWL0402R360JTEA	.36				10000		
71-RCWL0402R390JTEA	RCWL0402R390JTEA	.39				10000		
71-RCWL0402R430JTEA	RCWL0402R430JTEA	.43				10000		
0603 Case Size - 1/10 Watt 200ppm								
71-RCWL0603R470JNEA	RCWL0603R470JNEA	.47				5000		
71-RCWL0603R510JNEA	RCWL0603R510JNEA	.51				5000		
71-RCWL0603R560JNEA	RCWL0603R560JNEA	.56				5000		
71-RCWL0603R620JNEA	RCWL0603R620JNEA	.62				5000		
71-RCWL0603R680JNEA	RCWL0603R680JNEA	.68				5000		
71-RCWL0603R750JNEA	RCWL0603R750JNEA	.75				5000		

VISHAY PRECISION GROUP Current Sensing SMD Resistors



VCS1625 AND VCS1625Z SERIES CURRENT SENSING SMD RESISTORS

- Features:**
- Operating Temperature: - 55°C to + 125°C
 - Excellent load life stability
 - Non inductive, non capacitive design
 - Non hot spot design
 - Tolerance: 0.01%, 0.1%, 1% available
 - Temperature Coefficient: 2PPM

- Applications:**
- High precision instrumentation
 - Current Sensing applications
 - Applications that require superior frequency stability
 - Medical



VCS1625 High Precision Bulk Metal Foil SMD

- Case Size: 1625
- Power Rating: 0.5 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-VCS16250R1000FST	Y08500R01000F9R	0.01		
71-VCS16250R1000FST	Y08500R10000F9R	0.1		
71-VCS16251R0000BST	Y08501R00000B9R	1		

VCS1625Z Ultra High Precision Z-Foil SMD

- Case Size: 1625Z
- Power Rating: 0.5 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-VCS1625Z0R5000FSW	Y16070R50000F9W	0.5		
71-VCS1625Z2R0000TSW	Y16072R00000T9W	2		

CSM SERIES - HIGH PRECISION POWER METAL STRIP RESISTOR

- Features:**
- Operating Temperature: - 55°C to + 125°C
 - Excellent load life stability
 - Solderable terminations
 - Tolerance: 0.1%, 0.5%, 1% available
 - Temperature Coefficient: 15PPM and 25PPM



CSM2512 Series

- Case Size: 2512
- Power Rating: 1 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-CSM25120R0050BST	Y14870R00500B9R	0.005		
71-CSM25120R1000BST	Y14870R01000B9R	0.01		
71-CSM25120R0500BST	Y14870R05000B9R	0.05		
71-CSM25120R1000BST	Y14870R10000B9R	0.1		

CSM3637 Series

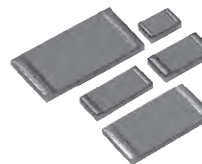
- Case Size: 3637
- Power Rating: 3 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-CSM36370R0010DST	Y14880R00100D9R	0.001		
71-CSM36370R0020BST	Y14880R00200B9R	0.002		
71-CSM36370R0050BST	Y14880R00500B9R	0.005		
71-CSM36370R0050FST	Y14880R00500F9R	0.005		

VFPC SERIES - ULTRA HIGH PRECISION Z-FOIL FLIP CHIP RESISTOR

- Features:**
- Operating Temperature: - 55°C to + 125°C
 - Temperature Coefficient: 0.2PPM
 - Excellent load life stability
 - Tolerance: .01%
 - Low noise
 - TCR 0.05ppm/°C



VFPC0805

- Case Size: 0805
- Power Rating: 100 mWatt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-VFPC08051K0000TST	Y16291K00000T9R	1K		

VFPC1506

- Case Size: 1506
- Power Rating: 100 mWatt

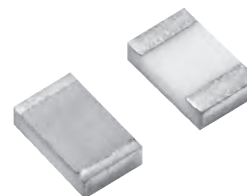
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-VFPC150620K000TST	Y163120K00000T9R	20		

VSMF SERIES - ULTRA HIGH PRECISION FOIL WRAPAROUND SMD CHIP RESISTOR

- Features:**
- Operating Temperature: - 55°C to + 125°C
 - Excellent load life stability
 - Non hot spot design
 - Extremely low TCR
 - Tolerance: .01%

- Applications:**
- High precision instrumentation
 - Laboratory, industrial and medical
 - Audio
 - Down hole instrumentation
 - Communication



VSMF0603

- Case Size: 0603
- Power Rating: 100 mWatt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-VSMF06033K0000TST	Y16363K00000T9R	3K		

VSMF1206

- Case Size: 1206
- Power Rating: 300 mWatt

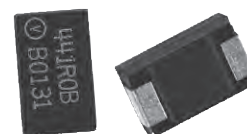
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-VSMF1206100R00QST	Y1625100R000Q9R	100		
71-VSMF12061K0000TST	Y16251K00000T9R	1K		
71-VSMF120610K000TST	Y162510K00000T9R	10K		
71-VSMF120620K000TBT	Y162520K00000T9R	20K		

SMR1DZ/SMR3DZ 0.01% ULTRA HIGH PRECISION Z-FOIL MOLDED SMD RESISTOR

- Features:**
- Operating Temperature: - 55°C to + 125°C
 - Excellent load life stability
 - Power Rating: to 600mW at 70°C
 - Matched sets with TCR tracking are available upon request

- Applications:**
- Precision Amplifiers
 - Medical
 - Industrial
 - Audio
 - Automatic Test Equipment
 - High Precision Instrumentation



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-SMR1DZ10R0000BST	Y174510R0000B9R	10		
71-SMR1DZ50R0000TST	Y174550R0000T9R	50		
71-SMR1DZ1K0000TST	Y17451K00000T9R	1K		
71-SMR1DZ5K0000TST	Y17455K00000T9R	5K		
71-SMR1DZ10K0000TST	Y174510K00000T9R	10K		
71-SMR1DZ20K0000TST	Y174520K00000T9R	20K		

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-SMR3DZ100R00TST	Y1746100R0000T9R	100		
71-SMR3DZ1K0000TST	Y17461K000000T9R	1K		
71-SMR3DZ5K0000TST	Y17465K000000T9R	5K		
71-SMR3DZ10K000TST	Y174610K00000T9R	10K		

KOA SMD Resistors



NEW AT Mouser

SMD Resistors

KOA Speer

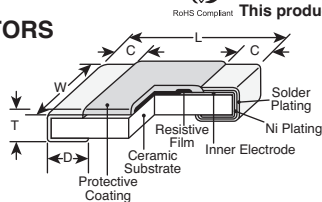
NEW AT Mouser

NEW AT Mouser

HV73 SERIES FLAT CHIP RESISTORS FOR HIGH VOLTAGE

Features:

- Superior to RK73 series in maximum working voltage
- Marking: 1J: No marking, black protective coating 2A ~ 3A: White three-digit marking on black protective coating
- Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.



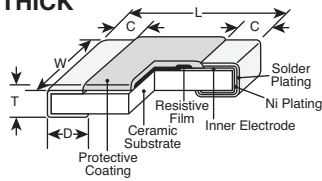
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KOA Part No.	Value (Ω)	Tol.	Price Each			Real Qty.	Price Per Piece
				1	100	500		
0603 Case Size, 1/10 Watt								
660-HV731JTTD104J	HV731JTTD104J	100K	±5%				5000	
660-HV731JTTD2003F	HV731JTTD2003F	200K	±1%				5000	
660-HV731JTTD105J	HV731JTTD105J	1M	±5%				5000	
660-HV731JTTD106J	HV731JTTD106J	10M	±5%				5000	
0805 Case Size, 1/8 Watt								
660-HV732ATTD104J	HV732ATTD104J	100K	±5%				5000	
660-HV732ATTD1004F	HV732ATTD1004F	1M	±1%				5000	
660-HV732ATTD105J	HV732ATTD105J	1M	±5%				5000	
1206 Case Size, 1/4 Watt								
660-HV732BTTD104J	HV732BTTD104J	100K	±5%				5000	
660-HV732BTTD4703F	HV732BTTD4703F	470K	±1%				5000	
660-HV732BTTD1804F	HV732BTTD1804F	1.8M	±1%				5000	
660-HV732BTTD116J	HV732BTTD116J	11M	±5%				5000	

SG73 SERIES SURGE CURRENT THICK FILM CHIP RESISTORS

Features:

- Superior to RK73B/RK73H series in surge dielectric withstanding voltage
- Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.



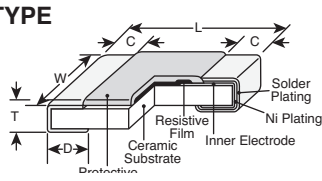
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KOA Part No.	Value (Ω)	Tol.	Price Each			Real Qty.	Price Per Piece
				1	100	500		
0402 Case Size, 1/8 Watt								
660-SG73P1ETTP10R0F	SG73P1ETTP10R0F	10	±1%				10000	
660-SG73P1ETTP1000F	SG73P1ETTP1000F	100	±1%				10000	
660-SG73P1ETTP1001F	SG73P1ETTP1001F	1K	±1%				10000	
660-SG73P1ETTP1002F	SG73P1ETTP1002F	10K	±1%				10000	
660-SG73P1ETTP1003F	SG73P1ETTP1003F	100K	±1%				10000	
660-SG73P1ETTP1004F	SG73P1ETTP1004F	1M	±1%				10000	
0603 Case Size, 1/5 Watt								
660-SG73P1JTTD10R0F	SG73P1JTTD10R0F	10	±1%				5000	
660-SG73P1JTTD1000F	SG73P1JTTD1000F	100	±1%				5000	
660-SG73P1JTTD1001F	SG73P1JTTD1001F	1K	±1%				5000	
660-SG73P1JTTD1003F	SG73P1JTTD1003F	100K	±1%				5000	
0805 Case Size, 1/4 Watt								
660-SG73P2ATTD1000F	SG73P2ATTD1000F	100	±1%				5000	
660-SG73P2ATTD2000F	SG73P2ATTD2000F	200	±1%				5000	
660-SG73P2ATTD1001F	SG73P2ATTD1001F	1K	±1%				5000	
660-SG73P2ATTD1002F	SG73P2ATTD1002F	10K	±1%				5000	
660-SG73P2ATTD1003F	SG73P2ATTD1003F	100K	±1%				5000	

WK73 SERIES WIDE TERMINAL TYPE FLAT CHIP RESISTORS

Features:

- Flat chip resistors of wide terminal type
- High reliability and performance with T.C.R. ±100 x 10⁻⁶/K, resistance tolerance ±1%
- Marking: Black protective coat
- Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KOA Part No.	Value (Ω)	Tol.	Price Each			Real Qty.	Price Per Piece
				1	100	500		
0612 Size, 3/4 Watt								
660-WK73S2BTTD1R00F	WK73S2BTTD1R00F	1	±1%				5000	
660-WK73S2BTTD2R00F	WK73S2BTTD2R00F	2	±1%				5000	
660-WK73S2BTTD3R00F	WK73S2BTTD3R00F	3	±1%				5000	
660-WK73R2BTTD10R0F	WK73R2BTTD10R0F	10	±1%				5000	
660-WK73R2BTTD20R0F	WK73R2BTTD20R0F	20	±1%				5000	
660-WK73R2BTTD1000F	WK73R2BTTD1000F	100	±1%				5000	
660-WK73R2BTTD1001F	WK73R2BTTD1001F	1K	±1%				5000	
660-WK73R2BTTD2001F	WK73R2BTTD2001F	2K	±1%				5000	
660-WK73R2BTTD1002F	WK73R2BTTD1002F	10K	±1%				5000	
660-WK73R2BTTD2002F	WK73R2BTTD2002F	20K	±1%				5000	
660-WK73R2BTTD1003F	WK73R2BTTD1003F	100K	±1%				5000	
1020 Size, 1 Watt								
660-WK73S2HTE1R00F	WK73S2HTE1R00F	1	±1%				4000	
660-WK73S2HTE2R00F	WK73S2HTE2R00F	2	±1%				4000	
660-WK73S2HTE3R00F	WK73S2HTE3R00F	3	±1%				4000	
660-WK73R2HTE10R0F	WK73R2HTE10R0F	10	±1%				4000	
660-WK73R2HTE20R0F	WK73R2HTE20R0F	20	±1%				4000	
660-WK73R2HTE1000F	WK73R2HTE1000F	100	±1%				4000	
660-WK73R2HTE2001F	WK73R2HTE2001F	2K	±1%				4000	

Type	DIMENSIONS: in. (mm)				
	L	W	C	D	T
1J	.063±.008 (1.6±0.2)	.031±.004 (0.8±0.1)	.012±.004 (0.3±0.1)	.012±.004 (0.3±0.1)	.018±.004 (0.45±0.1)
2A	.079±.008 (2.0±0.2)	.049±.004 (1.25±0.1)	.016±.008 (0.4±0.2)	.012 ±.008/-.004 (0.3 ±0.2/-0.1)	.02±.004 (0.5±0.1)
2B	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.02±.012 (0.5±0.3)	.016 ±.008/-.004 (0.4 ±0.2/-0.1)	.024±.004 (0.6±0.1)
2H	.197±.008 (5.0±0.2)	.098±.008 (2.5±0.2)	.02±.012 (0.5±0.3)	.016 ±.008/-.004 (0.4 ±0.2/-0.1)	.024±.004 (0.6±0.1)
3A	.248±.008 (6.3±0.2)	.122±.008 (3.1±0.2)	.02±.012 (0.5±0.3)	.016 ±.008/-.004 (0.4 ±0.2/-0.1)	.024±.004 (0.6±0.1)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KOA Part No.	Value (Ω)	Tol.	Price Each			Real Qty.	Price Per Piece
				1	100	500		
2010 Case Size, 1/2 Watt								
660-HV732HTE104J	HV732HTE104J	100K	±5%				4000	
660-HV732HTE2403F	HV732HTE2403F	240K	±1%				4000	
660-HV732HTE1004F	HV732HTE1004F	1M	±1%				4000	
660-HV732HTE105J	HV732HTE105J	1M	±5%				4000	
660-HV732HTE475J	HV732HTE475J	4.7M	±5%				4000	
660-HV732HTE106J	HV732HTE106J	10M	±5%				4000	
2010 Case Size, 1/2 Watt								
660-HV733ATTE1003F	HV733ATTE1003F	100K	±1%				4000	
660-HV733ATTE1004F	HV733ATTE1004F	1M	±1%				4000	
660-HV733ATTE105J	HV733ATTE105J	1M	±5%				4000	
660-HV733ATTE106J	HV733ATTE106J	10M	±5%				4000	

Type	DIMENSIONS: in. (mm)				
	L	W	C	D	T
SG73P1E	.039 ±.004/-.002 (1.0 ±0.1/-.005)	.02±.002 (0.5±0.05)	.006±.004 (0.15±0.1)	.010 ±.002/-.004 (0.25 ±0.05/-0.1)	.014±.002 (0.35±0.05)
SG73P1J	.063±.008 (1.6±0.2)	.031±.004 (0.8±0.1)	.012±.004 (0.3±0.1)	.012±.004 (0.3±0.1)	.018±.004 (0.45±0.1)
SG73P2A	.079±.008 (2.0±0.2)	.049±.004 (1.25±0.1)	.012 ±.008/-.004 (0.3 ±0.2/-0.1)	.012 ±.008/-.004 (0.3 ±0.2/-0.1)	.02±.004 (0.5±0.1)
SG732B	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.02±.012 (0.5±0.3)	.016 ±.008/-.004 (0.4 ±0.2/-0.1)	.024±.004 (0.6±0.1)
SG73P2B	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.016 ±.008/-.004 (0.4 ±0.2/-0.1)	.016 ±.008/-.004 (0.4 ±0.2/-0.1)	.024±.004 (0.6±0.1)
SG73P2E	.126±.008 (3.2±0.2)	.102±.008 (2.6±0.2)	.016 ±.008/-.004 (0.4 ±0.2/-0.1)	.016 ±.008/-.004 (0.4 ±0.2/-0.1)	.024±.004 (0.6±0.1)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KOA Part No.	Value (Ω)	Tol.	Price Each			Real Qty.	Price Per Piece
				1	100	500		
1206 Case Size, 1/4 Watt								
660-SG732BTTD1R0K	SG732BTTD1R0K	1	±10%				5000	
1206 Case Size, 1/3 Watt								
660-SG73P2BTTD4R70F	SG73P2BTTD4R70F	4.7	±1%				5000	
660-SG73P2BTTD10R0F	SG73P2BTTD10R0F	10	±1%				5000	
660-SG73P2BTTD2002F	SG73P2BTTD2002F	20K	±1%				5000	
660-SG73P2BTTD4702F	SG73P2BTTD4702F	47K	±1%				5000	
660-SG73P2BTTD1003F	SG73P2BTTD1003F	100K	±1%				5000	
660-SG73P2BTTD1004F	SG73P2BTTD1004F	1M	±1%				5000	
1210 Case Size, 1/2 Watt								
660-SG73P2ETTD10R0F	SG73P2ETTD10R0F	10	±1%				5000	
660-SG73P2ETTD1000F	SG73P2ETTD1000F	100	±1%				5000	
660-SG73P2ETTD1001F	SG73P2ETTD1001F	1K	±1%				5000	
660-SG73P2ETTD1002F	SG73P2ETTD1002F	10K	±1%				5000	
660-SG73P2ETTD1003F	SG73P2ETTD1003F	100K	±1%				5000	
660-SG73P2ETTD1004F	SG73P2ETTD1004F	1M	±1%				5000	

Type	DIMENSIONS: in. (mm)				
	L	W	C	D	T
2B (0612)	.063±.006 (1.6±0.15)	.126±.006 (3.2±0.2)	.012±.008 (0.3±0.2)	.018±.006 (0.45±0.15)	
2H (1020)	.098±.006 (2.5±0.15)	.197±.006 (5.0±0.15)	.016±.008 (0.4±0.2)		.024±.004 (0.6±0.1)
2J (1218)	.122±.006 (3.1±0.15)	.181±.006 (4.6±0.15)	.016±.008 (0.4±0.2)	.030±.006 (0.75±0.15)	
3A (1225)	.122±.006 (3.1±0.15)	.252±.006 (6.3±0.15)	.018±.008 (0.45±0.2)		

For quantities greater than listed, call for quote.

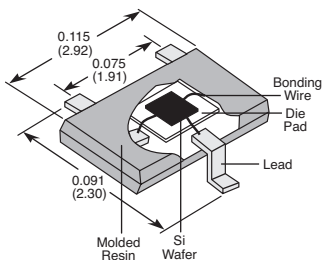
MOUSER STOCK NO.	KOA Part No.	Value (Ω)	Tol.	Price Each			Real Qty.	Price Per Piece
				1	100	500		
1020 Size, 1 Watt (cont.)								
660-WK73R2HTE1002F	WK73R2HTE1002F	10K	±1%				4000	
660-WK73R2HTE2002F	WK73R2HTE2002F	20K	±1%				4000	
660-WK73R2HTE1003F	WK73R2HTE1003F	100K	±1%				4000	
660-WK73R2HTE2003F	WK73R2HTE2003F	200K	±1%				4000	
660-WK73R2HTE1004F	WK73R2HTE1004F	1M	±1%				4000	
1218 Size, 1 Watt								
660-WK73S2JTTE1R00F	WK73S2JTTE1R00F	1	±1%				4000	
1225 Size, 1.5 Watt								
660-WK73S3ATTE1R00F	WK73S3ATTE1R00F	1	±1%				4000	
660-WK73S3ATTE2R00F	WK73S3ATTE2R00F	2	±1%				4000	

KOA SMD Chip Resistors

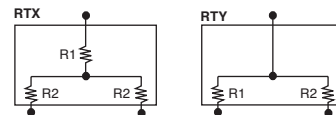


RTY SERIES - PRECISION VOLTAGE DIVIDER NETWORKS

- Features:**
- Two circuit configurations
 - Excellent parametric tracking
 - Products with lead-free terminations meet EU RoHS and China RoHS requirements



Circuit Schematics

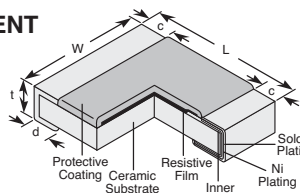


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (Ω)	Number of Pins	Tolerance	Price Each			
				1	10	50	100
660-RTYS03TTE7613	51-40K	3	5%				
660-RTYS03TTE7524	51-40K	3	5%				
660-RTYS03TTE7636	51-40K	3	5%				
660-RTYS03TTE7583	51-40K	3	5%				

SG73 SERIES - SURGE CURRENT THICK FILM CHIP RESISTORS

- Features:**
- Superior to RK73B/RK73H series in surge dielectric withstanding voltage
 - Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation not intended for Pb-glass contained in electrode, resistor element and glass



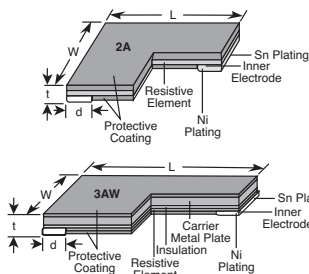
Type (Inch Size Code)	Dimensions: in. (mm)				
	L	W	c	d	t
SG731J, SG73P1J, SG73S1J (0603)	0.063±0.008 (1.6±0.2)	0.31±0.004 (0.8±0.1)	0.012±0.004 (0.3±0.1)	0.012±0.004 (0.3±0.1)	0.018±0.004 (0.45±0.1)
SG732A (0805)	0.079±0.008 (2.0±0.2)	0.049±0.004 (1.25±0.1)	0.016±0.008 (0.4±0.2)	0.012 +0.008/-0.004 (0.3 +0.2/-0.1)	0.02±0.004 (0.5±0.1)
SG732B (1206)	0.126±0.008 (3.2±0.2)	0.063±0.008 (1.6±0.2)	0.02±0.012 (0.5±0.3)	0.016 +0.008/-0.004 (0.4 +0.2/-0.1)	0.024±0.004 (0.6±0.1)
SG732H (2010)	0.197±0.008 (5.0±0.2)	0.098±0.008 (2.5±0.2)	0.02±0.012 (0.5±0.3)	0.016 +0.008/-0.004 (0.4 +0.2/-0.1)	0.024±0.004 (0.6±0.1)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power Rating	T.C.R.	Tolerance	Price Each			
				1	50	100	500
660-SG731JTTD1R0K	1/10W (.1W)	±200 ±400	±10%				
660-SG732ATTD100K	1/8W (.125W)	±200 ±400	±10%				
660-SG732BTDD1R0K	1/4W (.25W)	±200 ±400	±10%				
660-SG73S2ATTD1R0J	1/4W (.25W)	±200	±5%				
660-SG73S2ETTD10R0F	1/2W (.5W)	±200	±1%				
660-SG732ETTD2R2K	1/3W (.33W)	±200 ±400	±10%				
660-SG732ETTD221K	1/3W (.33W)	±200 ±400	±10%				
660-SG732HTTE121K	3/4W (.75W)	±200 ±400	±10%				
660-SG732HTTE221K	3/4W (.75W)	±200 ±400	±10%				

TLRH SERIES - METAL PLATE CHIP TYPE LOW RESISTANCE RESISTORS

- Features:**
- SMD Type of small size, low resistance resistor for current detection
 - Carrier metal plate inside, resistor of high radiation of heat structure (3AW)
 - High reliability and performance with low T.C.R.
 - Automatic mounting machines are applicable
 - Body Color: Black protective top coating; 2A - No marking, 3AW - 4 digit marking
 - Suitable for reflow soldering
 - Products with lead-free terminations meet EU RoHS requirements



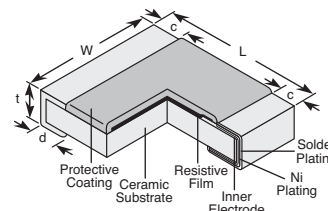
Type (Inch Size Code)	Dimensions: in. (mm)			
	L	W	d	t
TLR1W	0.39±0.002 (1.0±0.05)	0.20±0.002 (0.50±0.05)	0.12±0.004 (0.30±0.10)	0.10±0.004 (0.25±0.10)
TLRH 2A	0.079±0.008 (2.0±0.2)	0.049±0.008 (1.25±0.2)	0.014±0.008 (0.35±0.2)	0.01±0.006 (0.25±0.15)
TLRH 3AW	0.248±0.008 (6.3±0.2)	0.126±0.008 (3.2±0.2)	0.03±0.008 (0.75±0.2)	0.02±0.008 (0.5±0.2)
TLRH 2H	0.2±0.008 (5.0±0.2)	0.1±0.008 (2.5±0.2)	0.02±0.008 (0.5±0.2)	0.02±0.008 (0.5±0.2)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power Rating	T.C.R.	Tolerance	Price Each			
				1	50	100	500
660-TLR1ETTP10LJ	0.2W	±100	±2%				
660-TLRH2ATTD10L0F	0.25W	±75	±1%				
660-TLRH2ATTD1R00F	0.25W	±75	±1%				
660-TLRH2HTTER100F	1.0W	±50	±1%				
660-TLRH2HTTER250F	1.0W	±50	±1%				
660-TLRH3AWTTER100F	2.0W	±50	±1%				

WK73 SERIES - WIDE TERMINAL TYPE FLAT CHIP RESISTORS

- Features:**
- Flat chip resistors of wide terminal type
 - High reliability and performance with T.C.R. ±100 x 10-6/K, resistance tolerance ±1%
 - Marking: Black protective coat
 - Products with lead-free terminations meet EU RoHS requirements. EU RoHS regulation not intended for Pb-glass contained in electrode, resistor element and glass




Type (Inch Size Code)	Dimensions: in. (mm)				
	L	W	c	d	t
2B (0612)	0.063±0.006 (1.6±0.15)	0.126±0.006 (3.2±0.2)	0.012±0.008 (0.3±0.2)	0.018±0.006 (0.45±0.15)	0.024±0.004 (0.6±0.1)
2H (1020)	0.098±0.006 (2.5±0.15)	0.197±0.006 (5.0±0.15)	0.016±0.008 (0.4±0.2)	0.030±0.006 (0.75±0.15)	0.024±0.004 (0.6±0.1)
2J (1218)	0.122±0.006 (3.1±0.15)	0.181±0.006 (4.6±0.15)	0.016±0.008 (0.4±0.2)	0.030±0.006 (0.75±0.15)	0.024±0.004 (0.6±0.1)
3A (1225)	0.122±0.006 (3.1±0.15)	0.252±0.006 (6.3±0.15)	0.018±0.008 (0.45±0.2)	0.030±0.006 (0.75±0.15)	0.024±0.004 (0.6±0.1)

For quantities greater than listed, call for quote.

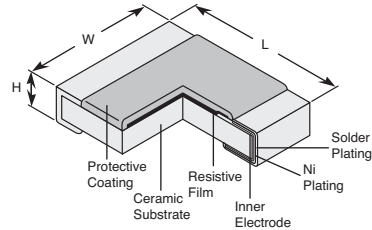
MOUSER STOCK NO.	Power Rating	T.C.R.	Tolerance	Price Each			
				1	50	100	500
660-WK73R3ATTE1002F	1.5W	±100 ±200	±1%				
660-WK73S2JTTER220F	1.0W	±200 ±100 ±100	±1%				
660-WK73S2HTTER200F	1.0W	±200 ±100 ±100	±1%				
660-WK73S2HTTER470F	1.0W	±200 ±100 ±100	±1%				
660-WK73R2JTTE132J	1.0W	±200 ±800	±5%				
660-WK73R2HTTE152J	1.0W	±100 ±200	±5%				
660-WK73R2HTTE182J	1.0W	±100 ±200	±5%				
660-WK73R2HTTE101J	1.0W	±100 ±200	±5%				
660-WK73R2HTTE1500F	1.0W	±100 ±200	±1%				
660-WK73R2HTTE102J	1.0W	±100 ±200	±5%				
660-WK73R2JTTE102J	1.0W	±100 ±200	±5%				
660-WK73R2HTTE222J	1.0W	±100 ±200	±5%				
660-WK73R2HTTE201J	1.0W	±100 ±200	±5%				
660-WK73R2HTTE221J	1.0W	±100 ±200	±5%				
660-WK73R2HTTE2400F	1.0W	±100 ±200	±1%				
660-WK73R2HTTE361J	1.0W	±100 ±200	±5%				
660-WK73R2JTTE360J	1.0W	±100 ±200	±5%				
660-WK73R2HTTE391J	1.0W	±100 ±200	±5%				
660-WK73R2HTTE302J	1.0W	±100 ±200	±5%				
660-WK73R2HTTE4300F	1.0W	±100 ±200	±1%				
660-WK73S2JTTE51L0F	1.0W	±800 ±200 ±100	±1%				
660-WK73R2HTTE560J	1.0W	±100 ±200	±5%				
660-WK73R2JTTE821J	1.0W	±100 ±200	±5%				

RK73H SERIES - THICK FILM

 This product is RoHS compliant.

Features:

- RuO₂ thick film resistor element
- Anti-leaching nickel barrier terminations
- Also available with epoxy bondable palladium silver terminations in 2A and 2B sizes
- Meets or exceeds EIA 575, EIAJ RC 2690A, EIA PDP-100, MIL-R-55342F
- Marking: Four-digit black on blue protective coat
No marking on 1H and 1E size
Three-digit on 1J size, E-24 values only
- Operating temperature: -55°C to +155°C
- TCR (ppm/°C) max = ±10ppm



* Not all values available in all sizes. Insert Value Code from Table of Values.

Size	MOUSER STOCK NO.		Price Each			Reel	
	Prefix	Value	1	100	1000	Quantity	Price Per Piece
0402	660-RK73H1ETTP	Code				10000	
0603	660-RK73H1JTDD	Code				5000	
0805	660-RK73H2ATDD	Code				5000	
1206	660-RK73H2BTDD	Code				5000	
1210	660-RK73H2ETDD	Code				5000	
2010	660-RK73H2HTTE	Code				4000	
2512	660-RK73H3ATTE	Code				4000	

Available in various tolerances, case sizes, and 10PPM and 50PPM. Contact a Mouser Sales Representative for more information.

Type (Inch Size Code)	Power Rating	DIMENSIONS: mm		
		L	W	H
0402	1/16W	1	0.5±0.05	0.35±0.05
0603	1/10W	1.6±0.2	0.8±0.1	0.45±0.1
0805	1/8W	2.0±0.2	1.25±0.1	0.5±0.1
1206	1/4W	3.2±0.2	1.6±0.2	0.6±0.1
1210	1/3W	3.2±0.2	2.6±0.2	0.6±0.1
2010	3/4W	5.0±0.2	2.5±0.2	0.6±0.1
2512	1W	6.3±0.2	3.1±0.2	0.6±0.1

TABLE OF VALUES

10	10R0F	43.2	43R2F	187	1870F	806	8060F	3.48K	3481F	15K	1502F	66.5K	6652F	280K	2803F
10.2	10R2F	44.2	44R2F	191	1910F	825	8250F	3.57K	3571F	15.4K	1542F	68.1K	6812F	287K	2873F
10.5	10R5F	45.3	45R3F	196	1960F	845	8450F	3.65K	3651F	15.8K	1582F	69.8K	6982F	294K	2943F
10.7	10R7F	46.4	46R4F	200	2000F	866	8660F	3.74K	3741F	16.2K	1622F	71.5K	7152F	301K	3013F
11	11R0F	47.5	47R5F	205	2050F	887	8870F	3.83K	3831F	16.5K	1652F	73.2K	7322F	309K	3093F
11.3	11R3F	48.7	48R7F	210	2100F	909	9090F	3.92K	3921F	16.9K	1692F	75K	7502F	316K	3163F
11.5	11R5F	49.9	49R9F	215	2150F	931	9310F	4.02K	4021F	17.4K	1742F	76.8K	7682F	324K	3243F
11.8	11R8F	51.1	51R1F	221	2210F	953	9530F	4.12K	4121F	17.8K	1782F	78.7K	7872F	332K	3323F
12.1	12R1F	52.3	52R3F	226	2260F	976	9760F	4.22K	4221F	18.2K	1822F	80.6K	8062F	340K	3403F
12.4	12R4F	53.6	53R6F	232	2320F	1K	1001F	4.32K	4321F	18.7K	1872F	82.5K	8252F	348K	3483F
12.7	12R7F	54.9	54R9F	237	2370F	1.02K	1021F	4.42K	4421F	19.1K	1912F	84.5K	8452F	357K	3573F
13	13R0F	56.2	56R2F	243	2430F	1.05K	1051F	4.53K	4531F	19.6K	1962F	86.6K	8662F	365K	3653F
13.3	13R3F	57.6	57R6F	249	2490F	1.07K	1071F	4.64K	4641F	20K	2002F	88.7K	8872F	374K	3743F
13.7	13R7F	59	59R0F	255	2550F	1.1K	1101F	4.75K	4751F	20.5K	2052F	90.9K	9092F	383K	3833F
14	14R0F	60.4	60R4F	261	2610F	1.13K	1131F	4.87K	4871F	21K	2102F	93.1K	9312F	392K	3923F
14.3	14R3F	61.9	61R9F	267	2670F	1.15K	1151F	4.99K	4991F	21.5K	2152F	95.3K	9532F	402K	4023F
14.7	14R7F	63.4	63R4F	274	2740F	1.18K	1181F	5.11K	5111F	22.1K	2212F	97.6K	9762F	412K	4123F
15	15R0F	64.9	64R9F	280	2800F	1.21K	1211F	5.23K	5231F	22.6K	2262F	100K	1003F	422K	4223F
15.4	15R4F	66.5	66R5F	287	2870F	1.24K	1241F	5.36K	5361F	23.2K	2322F	102K	1023F	432K	4323F
15.8	15R8F	68.1	68R1F	294	2940F	1.27K	1271F	5.49K	5491F	23.7K	2372F	105K	1053F	442K	4423F
16.2	16R2F	69.8	69R8F	301	3010F	1.3K	1301F	5.62K	5621F	24.3K	2432F	107K	1073F	453K	4533F
16.5	16R5F	71.5	71R5F	309	3090F	1.33K	1331F	5.76K	5761F	24.9K	2492F	110K	1103F	464K	4643F
16.9	16R9F	73.2	73R2F	316	3160F	1.37K	1371F	5.9K	5901F	25.5K	2552F	113K	1133F	475K	4753F
17.4	17R4F	75	75R0F	324	3240F	1.4K	1401F	6.04K	6041F	26.1K	2612F	115K	1153F	487K	4873F
17.8	17R8F	76.8	76R8F	332	3320F	1.43K	1431F	6.19K	6191F	26.7K	2672F	118K	1183F	499K	4993F
18.2	18R2F	78.7	78R7F	340	3400F	1.47K	1471F	6.34K	6341F	27.4K	2742F	121K	1213F	511K	5113F
18.7	18R7F	80.6	80R6F	348	3480F	1.5K	1501F	6.49K	6491F	28.7K	2872F	124K	1243F	523K	5233F
19.1	19R1F	82.5	82R5F	357	3570F	1.54K	1541F	6.65K	6651F	28K	2802F	127K	1273F	536K	5363F
19.6	19R6F	84.5	84R5F	365	3650F	1.58K	1581F	6.81K	6811F	29.4K	2942F	130K	1303F	549K	5493F
20	20R0F	86.6	86R6F	374	3740F	1.62K	1621F	6.98K	6981F	30.1K	3012F	133K	1333F	562K	5623F
20.5	20R5F	88.7	88R7F	383	3830F	1.65K	1651F	7.15K	7151F	30.9K	3092F	137K	1373F	576K	5763F
21	21R0F	90.9	90R9F	392	3920F	1.69K	1691F	7.32K	7321F	31.6K	3162F	140K	1403F	590K	5903F
21.5	21R5F	93.1	93R1F	402	4020F	1.74K	1741F	7.5K	7501F	32.4K	3242F	143K	1433F	604K	6043F
22.1	22R1F	95.3	95R3F	412	4120F	1.78K	1781F	7.68K	7681F	33.2K	3322F	147K	1473F	619K	6193F
22.6	22R6F	97.6	97R6F	422	4220F	1.82K	1821F	7.87K	7871F	34K	3402F	150K	1503F	634K	6343F
23.2	23R2F	100	1000F	432	4320F	1.87K	1871F	8.06K	8061F	34.8K	3482F	150K	1503F	649K	6493F
23.7	23R7F	102	1020F	442	4420F	1.91K	1911F	8.25K	8251F	35.7K	3572F	154K	1543F	665K	6653F
24.3	24R3F	105	1050F	453	4530F	1.96K	1961F	8.45K	8451F	36.5K	3652F	158K	1583F	681K	6813F
24.9	24R9F	107	1070F	464	4640F	2K	2001F	8.66K	8661F	37.4K	3742F	162K	1623F	698K	6983F
25.5	25R5F	110	1100F	475	4750F	2.05K	2051F	8.87K	8871F	38.3K	3832F	165K	1653F	715K	7153F
26.1	26R1F	113	1130F	487	4870F	2.1K	2101F	9.09K	9091F	39.2K	3922F	169K	1693F	732K	7323F
26.7	26R7F	115	1150F	499	4990F	2.15K	2151F	9.31K	9311F	40.2K	4022F	174K	1743F	768K	7683F
27.4	27R4F	118	1180F	511	5110F	2.21K	2211F	9.59K	9531F	41.2K	4122F	178K	1783F	787K	7873F
28	28R0F	121	1210F	523	5230F	2.26K	2261F	9.76K	9761F	42.2K	4222F	182K	1823F	806K	8063F
28.7	28R7F	124	1240F	536	5360F	2.32K	2321F	10K	1002F	43.2K	4322F	187K	1873F	825K	8253F
29.4	29R4F	127	1270F	549	5490F	2.37K	2371F	10.2K	1022F	44.2K	4422F	191K	1913F	845K	8453F
30.1	30R1F	130	1300F	562	5620F	2.43K	2431F	10.5K	1052F	45.3K	4532F	196K	1963F	866K	8663F
30.9	30R9F	133	1330F	576	5760F	2.49K	2491F	10.7K	1072F	46.4K	4642F	200K	2003F	887K	8873F
31.6	31R6F	137	1370F	590	5900F	2.55K	2551F	11K	1102F	47.5K	4752F	205K	2053F	909K	9093F
32.4	32R4F	140	1400F	604	6040F	2.61K	2611F	11.3K	1132F	48.7K	4872F	210K	2103F	931K	9313F
33.2	33R2F	143	1430F	619	6190F	2.67K	2671F	11.5K	1152F	49.9K	4992F	215K	2153F	953K	9533F
34	34R0F	147	1470F	634	6340F	2.74K	2741F	11.8K	1182F	51.1K	5112F	221K	2213F	976K	9763F
34.8	34R8F	150	1500F	649	6490F	2.87K	2871F	12.1K	1212F	52.3K	5232F	226K	2263F	1M	1004F
35.7	35R7F	154	1540F	665	6650F	2.8K	2801F	12.4K	1242F	54.9K	5492F	232K	2323F	3.65M	3654F
36.5	36R5F	158	1580F	681	6810F	2.94K	2941F	12.7K	1272F	56.2K	5622F	237K	2373F		
37.4	37R4F	162	1620F	698	6980F	3.01K	3011F	13K	1302F	57.6K	5762F	243K	2433F		
38.3	38R3F	165	1650F	715	7150F	3.09K	3091F	13.3K	1332F	59K	5902F	249K	2493F		
39.2	39R2F	169	1690F	732	7320F	3.16K	3161F	13.7K	1372F	60.4K	6042F	255K	2553F		
40.2	40R2F	174	1740F	750	7500F	3.24K	3241F	14K	1402F	61.9K	6192F	261K	2613F		
41.2	41R2F	178	1780F	768	7680F	3.32K	3321F	14.3K	1432F	63.4K	6342F	267K	2673F		
42.2	42R2F	182	1820F	787	7870F	3.4K	3401F	14.7K	1472F	64.9K	6492F	274K	2743F		

KOA 0603, 0805, 1206 - 0.1% 25ppm Resistors



This product is RoHS compliant.

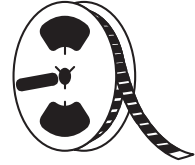
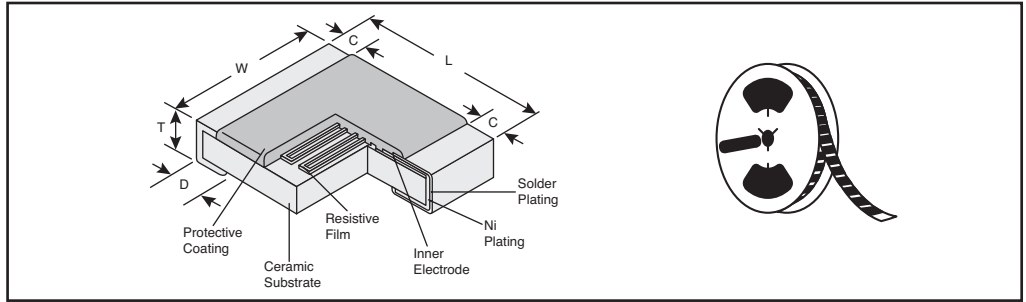
RN73 SERIES - THIN FILM

Features:

- Nickel chromium thin film resistor element
- Anti-leaching nickel barrier terminations
- Meets or exceeds EIA 576, MIL-R-55342F
- Marking: Four-digit, distinctive color identifiers (Only E-24 values are marked on 1J)
- TCR: 25ppm
- Tolerance: 0.1%



RoHS Compliant



KOA Speer SMD Resistors

*Insert Value Code from Table of Stocked Values

Size	MOUSER STOCK NO.		Price Each					
	Prefix	Value	1	100	1000	Reel Quantity		
						5000	10000	25000
0402	660-RN731ETTP	Code B25						
0603	660-RN731JTDD	Code B25						
0805	660-RN732ATTD	Code B25						
1206	660-RN732BTDD	Code B25						

Available in various tolerances, case sizes, and 10PPM and 50PPM. Contact a Mouser Sales Representative for more information.

Type (Inch Size Code)	Power Rating	DIMENSIONS: in.				
		L	W	C	D	T
0402	1/16 W	.039±.004	.02±.002	.008±.004	.01±.004	.014±.002
0603	1/16 W	.063±.008	.031±.004	.012±.004	.012±.004	.018±.004
0805	1/10 W	.079±.008	.049±.004	.016±.008	.012 +.008/-.004	.02±.004
1206	1/8 W	.126±.008	.063±.008	.02±.012	.016 +.008/-.004	.024±.004

TABLE OF STOCKED VALUES

Value	Value Code *	Case Size				Value	Value Code *	Case Size				Value	Value Code *	Case Size				Value	Value Code *	Case Size			
		04	06	08	10			04	06	08	10			04	06	08	10			04	06	08	10
56.2	56R2			X		1.13K	1131			X	X	12.3K	1232		X	X	X	36.5K	3652			X	
71.5	71R5			X		1.15K	1151			X		12.4K	1242		X		X	38.3K	3832			X	X
73.2	73R2			X		1.12K	1201			X	X	12.7K	1272		X	X	X	39.2K	3922			X	X
75	75R0		X	X		1.21K	1211			X		13K	1302		X	X	X	40K	4002			X	X
79.6	79R0			X		1.24K	1241		X	X	X	13.3K	1332		X	X	X	40.2K	4022		X	X	X
82.5	82R5			X		1.3K	1301			X	X	13.5K	1352		X		X	42.2K	4222		X	X	X
100	1000	X	X	X	X	1.4K	1401			X		13.7K	1372		X	X	X	43.2K	4322		X	X	X
102	1020			X		1.5K	1501	X	X	X	X	13.8K	1382		X		X	44.2K	4422		X	X	X
104	1040			X		1.62K	1621		X	X	X	14K	1402		X		X	45.3K	4532		X	X	X
110	1100			X		1.69K	1691	X	X	X	X	14.3K	1432		X	X	X	47K	4702		X	X	X
115	1150			X		1.78K	1781		X	X	X	14.7K	1472	X	X	X	X	47.5K	4752	X	X	X	X
121	1210			X		1.87K	1871		X	X	X	15K	1502		X	X	X	48.7K	4872		X	X	X
124	1240			X		1.96K	1961		X	X	X	15.4K	1542	X	X	X	X	49.9K	4992	X	X	X	X
127	1270			X		2K	2001	X	X	X	X	16K	1602		X	X	X	50K	5002		X	X	X
147	1470			X		2.05K	2051		X	X	X	16.2K	1622		X	X	X	51.1K	5112		X	X	X
147	1470			X		2.15K	2151		X	X	X	16.5K	1652		X	X	X	52.3K	5232		X	X	X
150	1500			X		2.26K	2261		X	X	X	16.9K	1692		X	X	X	53.6K	5362		X	X	X
178	1780			X		2.32K	2321		X	X	X	17.2K	1722	X	X	X	X	56.2K	5622		X	X	X
182	1820			X		2.34K	2341		X	X	X	17.4K	1742		X	X	X	57.6K	5762		X	X	X
196	1960		X	X		2.49K	2491		X	X	X	17.8K	1782		X	X	X	59K	5902		X	X	X
200	2000		X	X	X	2.55K	2551		X	X	X	18K	1802		X	X	X	60.4K	6042		X	X	X
205	2050		X			2.61K	2611		X	X	X	18.2K	1822		X	X	X	61.9K	6192		X	X	X
215	2150		X	X		2.67K	2671		X	X	X	18.7K	1872		X	X	X	62K	6202		X	X	X
249	2490		X	X		2.74K	2741		X	X	X	19K	1902		X	X	X	63.4K	6342		X	X	X
287	2870		X			2.8K	2801		X	X	X	19.1K	1912		X	X	X	66.5K	6652		X	X	X
300	3000		X	X		2.84K	2841		X	X	X	19.6K	1962		X	X	X	68.1K	6812		X	X	X
301	3010		X			2.87K	2871		X	X	X	20K	2002		X	X	X	73.2K	7322		X	X	X
332	3320		X			2.94K	2941		X	X	X	20.5K	2052		X	X	X	75K	7502		X	X	X
383	3830		X	X		3K	3001		X	X	X	21.3K	2132		X	X	X	76.8K	7682		X	X	X
388	3880		X			3.01K	3011		X	X	X	21.5K	2152		X	X	X	78.7K	7872		X	X	X
390	3900		X			3.12K	3121		X		X	21.8K	2182		X	X	X	79.6K	7962		X	X	X
392	3920		X			3.16K	3161		X		X	22.1K	2212		X	X	X	82.5K	8252		X	X	X
402	4020		X	X		3.32K	3321	X	X		X	22.6K	2262		X	X	X	84.5K	8452		X	X	X
412	4120		X			3.48K	3481		X		X	23.2K	2322		X	X	X	86.6K	8662		X	X	X
432	4320		X			3.65K	3651		X		X	23.7K	2372		X	X	X	89.8K	8982		X	X	X
442	4420		X			3.74K	3741		X	X		24.3K	2432		X	X	X	90K	9002		X	X	X
499	4990	X	X	X		3.83K	3831		X	X	X	24.9K	2492		X	X	X	90.9K	9092		X	X	X
511	5110		X			3.88K	3881		X		X	25.5K	2552		X	X	X	95.3K	9532		X	X	X
560	5600		X			3.92K	3921		X		X	26.1K	2612		X	X	X	97.6K	9762		X	X	X
590	5900		X	X		4K	4001		X	X	X	26.7K	2672		X	X	X	100K	1003	X	X	X	X
604	6040		X			4.02K	4021		X	X	X	27.4K	2742		X	X	X	102K	1023		X	X	X
619	6190		X			4.12K	4121		X	X	X	28K	2802		X	X	X	110K	1103		X	X	X
750	7500		X			4.17K	4171		X	X	X	28.7K	2872		X	X	X	118K	1183		X	X	X
787	7870		X			4.37K	4371		X		X	29.4K	2942		X	X	X	200K	2003		X	X	X
825	8250		X	X	X	4.42K	4421		X		X	30K	3002		X	X	X	332K	3323		X	X	X
845	8450		X			4.48K	4481		X	X	X	30.1K	3012		X	X	X	392K	3923		X	X	X
887	870		X			4.53K	4531		X		X	30.9K	3092		X	X	X	402K	4023		X	X	X
900	9000		X			4.64K	4641		X	X	X	31.6K	3162		X	X	X	499K	4993		X	X	X
953	9530	X	X	X		4.7K	4701		X	X	X	33.2K	3322		X	X	X	1M	1004		X	X	X
1k	1001	X	X	X	X	4.75K	4751	X	X	X	X	34K	3402		X	X	X						
1.02k	1021	X	X	X	X	4.87K	4871	X	X	X	X	34.8K	3482		X	X	X						

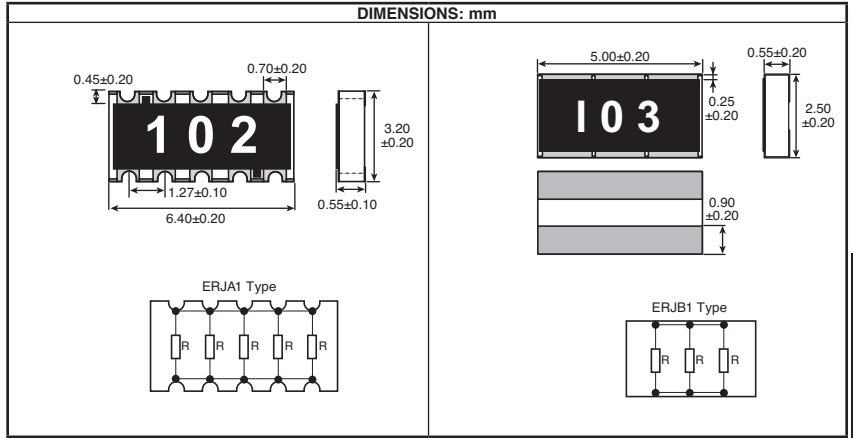
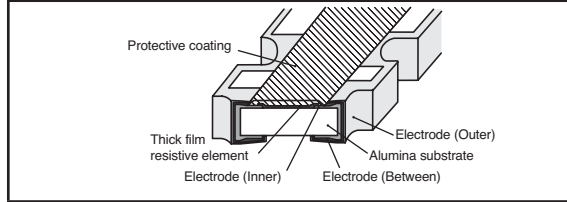
ERJA1 AND ERJB1 SERIES WIDE TERMINAL TYPE

Features:

- Small size and lightweight
- High reliability: Metal glaze thick film resistive element and three layers of electrodes
- Low Resistance Value
- Suitable for both reflow and flow soldering
- Operating Temperature Range: -55°C to +125°C

Applications:

- Automotive electronics circuits including ECUs (electrical control unit), anti-lock braking systems and air-bag systems
- Current sensing for power supply circuits in a variety of equipment



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (Ω)	Power Rating (W)	Price Each			Reel Qty.	Price Per Piece
				1	100	500		
ERJA1 - 1225 Case Size								
667-ERJ-A1CJR01U	ERJ-A1CJR01U	0.01	1.33				4000	
667-ERJ-A1CJR015U	ERJ-A1CJR015U	0.015	1.33				4000	
667-ERJ-A1CJR018U	ERJ-A1CJR018U	0.018	1.33				4000	
667-ERJ-A1CJR022U	ERJ-A1CJR022U	0.022	1.33				4000	
667-ERJ-A1CJR027U	ERJ-A1CJR027U	0.027	1.33				4000	
667-ERJ-A1CJR033U	ERJ-A1CJR033U	0.033	1.33				4000	
667-ERJ-A1CJR039U	ERJ-A1CJR039U	0.039	1.33				4000	
667-ERJ-A1CJR047U	ERJ-A1CJR047U	0.047	1.33				4000	
667-ERJ-A1CJR056U	ERJ-A1CJR056U	0.056	1.33				4000	
667-ERJ-A1CJR062U	ERJ-A1CJR062U	0.062	1.33				4000	
667-ERJ-A1CJR068U	ERJ-A1CJR068U	0.068	1.33				4000	
667-ERJ-A1CJR082U	ERJ-A1CJR082U	0.082	1.33				4000	
667-ERJ-A1CJR10U	ERJ-A1CJR10U	0.10	1.33				4000	
667-ERJ-A1CJR11U	ERJ-A1CJR11U	0.11	1.33				4000	
667-ERJ-A1CJR12U	ERJ-A1CJR12U	0.12	1.33				4000	
667-ERJ-A1CJR13U	ERJ-A1CJR13U	0.13	1.33				4000	
667-ERJ-A1CJR15U	ERJ-A1CJR15U	0.15	1.33				4000	
667-ERJ-A1CJR16U	ERJ-A1CJR16U	0.16	1.33				4000	
667-ERJ-A1CJR18U	ERJ-A1CJR18U	0.18	1.33				4000	
667-ERJ-A1CJR20U	ERJ-A1CJR20U	0.20	1.33				4000	
667-ERJ-A1BJR22U	ERJ-A1BJR22U	0.22	1.33				4000	
667-ERJ-A1BJR24U	ERJ-A1BJR24U	0.24	1.33				4000	
667-ERJ-A1BJR27U	ERJ-A1BJR27U	0.27	1.33				4000	
667-ERJ-A1BJR30U	ERJ-A1BJR30U	0.30	1.33				4000	
667-ERJ-A1BJR33U	ERJ-A1BJR33U	0.33	1.33				4000	
667-ERJ-A1BJR36U	ERJ-A1BJR36U	0.36	1.33				4000	
667-ERJ-A1BJR39U	ERJ-A1BJR39U	0.39	1.33				4000	
667-ERJ-A1BJR43U	ERJ-A1BJR43U	0.43	1.33				4000	
667-ERJ-A1BJR47U	ERJ-A1BJR47U	0.47	1.33				4000	
667-ERJ-A1BJR51U	ERJ-A1BJR51U	0.51	1.33				4000	
667-ERJ-A1BJR56U	ERJ-A1BJR56U	0.56	1.33				4000	
667-ERJ-A1BJR62U	ERJ-A1BJR62U	0.62	1.33				4000	
667-ERJ-A1BJR68U	ERJ-A1BJR68U	0.68	1.33				4000	
667-ERJ-A1BJR75U	ERJ-A1BJR75U	0.75	1.33				4000	
667-ERJ-A1BJR82U	ERJ-A1BJR82U	0.82	1.33				4000	
667-ERJ-A1BJR91U	ERJ-A1BJR91U	0.91	1.33				4000	
667-ERJ-A1BJ1R0U	ERJ-A1BJ1R0U	1	1.33				4000	
667-ERJ-A1BJ1R1U	ERJ-A1BJ1R1U	1.1	1.33				4000	
667-ERJ-A1BJ1R2U	ERJ-A1BJ1R2U	1.2	1.33				4000	
667-ERJ-A1BJ1R3U	ERJ-A1BJ1R3U	1.3	1.33				4000	
667-ERJ-A1BJ1R5U	ERJ-A1BJ1R5U	1.5	1.33				4000	
667-ERJ-A1BJ1R6U	ERJ-A1BJ1R6U	1.6	1.33				4000	
667-ERJ-A1BJ1R8U	ERJ-A1BJ1R8U	1.8	1.33				4000	
667-ERJ-A1BJ2R0U	ERJ-A1BJ2R0U	2	1.33				4000	
667-ERJ-A1BJ2R2U	ERJ-A1BJ2R2U	2.2	1.33				4000	
667-ERJ-A1BJ2R4U	ERJ-A1BJ2R4U	2.4	1.33				4000	
667-ERJ-A1BJ2R7U	ERJ-A1BJ2R7U	2.7	1.33				4000	
667-ERJ-A1BJ3R0U	ERJ-A1BJ3R0U	3	1.33				4000	
667-ERJ-A1BJ3R3U	ERJ-A1BJ3R3U	3.3	1.33				4000	
667-ERJ-A1BJ3R6U	ERJ-A1BJ3R6U	3.6	1.33				4000	
667-ERJ-A1BJ3R9U	ERJ-A1BJ3R9U	3.9	1.33				4000	
667-ERJ-A1BJ4R3U	ERJ-A1BJ4R3U	4.3	1.33				4000	
667-ERJ-A1BJ4R7U	ERJ-A1BJ4R7U	4.7	1.33				4000	
667-ERJ-A1BJ5R1U	ERJ-A1BJ5R1U	5.1	1.33				4000	
667-ERJ-A1BJ5R6U	ERJ-A1BJ5R6U	5.6	1.33				4000	
667-ERJ-A1BJ6R2U	ERJ-A1BJ6R2U	6.2	1.33				4000	
667-ERJ-A1BJ6R8U	ERJ-A1BJ6R8U	6.8	1.33				4000	
667-ERJ-A1BJ7R5U	ERJ-A1BJ7R5U	7.5	1.33				4000	
667-ERJ-A1BJ8R2U	ERJ-A1BJ8R2U	8.2	1.33				4000	
667-ERJ-A1BJ9R1U	ERJ-A1BJ9R1U	9.1	1.33				4000	
667-ERJ-A1AJ100U	ERJ-A1AJ100U	10	1.33				4000	
667-ERJ-A1AJ471U	ERJ-A1AJ471U	470	1.33				4000	
ERJB1 - 2010 Case Size								
667-ERJ-B1CJR01U	ERJ-B1CJR01U	0.01	1				5000	
667-ERJ-B1CJR012U	ERJ-B1CJR012U	0.012	1				5000	
667-ERJ-B1CJR015U	ERJ-B1CJR015U	0.015	1				5000	
667-ERJ-B1CJR018U	ERJ-B1CJR018U	0.018	1				5000	
667-ERJ-B1CJR022U	ERJ-B1CJR022U	0.022	1				5000	
667-ERJ-B1CJR027U	ERJ-B1CJR027U	0.027	1				5000	

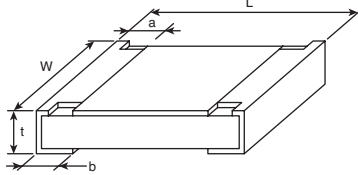
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (Ω)	Power Rating (W)	Price Each			Reel Qty.	Price Per Piece
				1	100	500		
ERJB1 - 2010 Case Size (Cont.)								
667-ERJ-B1CJR033U	ERJ-B1CJR033U	0.033	1				5000	
667-ERJ-B1CJR039U	ERJ-B1CJR039U	0.039	1				5000	
667-ERJ-B1CJR047U	ERJ-B1CJR047U	0.047	1				5000	
667-ERJ-B1CJR056U	ERJ-B1CJR056U	0.056	1				5000	
667-ERJ-B1CJR062U	ERJ-B1CJR062U	0.062	1				5000	
667-ERJ-B1CJR068U	ERJ-B1CJR068U	0.068	1				5000	
667-ERJ-B1CJR082U	ERJ-B1CJR082U	0.082	1				5000	
667-ERJ-B1CJR10U	ERJ-B1CJR10U	0.10	1				5000	
667-ERJ-B1CJR11U	ERJ-B1CJR11U	0.11	1				5000	
667-ERJ-B1CJR12U	ERJ-B1CJR12U	0.12	1				5000	
667-ERJ-B1CJR13U	ERJ-B1CJR13U	0.13	1				5000	
667-ERJ-B1CJR15U	ERJ-B1CJR15U	0.15	1				5000	
667-ERJ-B1CJR16U	ERJ-B1CJR16U	0.16	1				5000	
667-ERJ-B1CJR18U	ERJ-B1CJR18U	0.18	1				5000	
667-ERJ-B1CJR20U	ERJ-B1CJR20U	0.20	1				5000	
667-ERJ-B1BJR22U	ERJ-B1BJR22U	0.22	1				5000	
667-ERJ-B1BJR24U	ERJ-B1BJR24U	0.24	1				5000	
667-ERJ-B1BJR27U	ERJ-B1BJR27U	0.27	1				5000	
667-ERJ-B1BJR30U	ERJ-B1BJR30U	0.30	1				5000	
667-ERJ-B1BJR33U	ERJ-B1BJR33U	0.33	1				5000	
667-ERJ-B1BJR36U	ERJ-B1BJR36U	0.36	1				5000	
667-ERJ-B1BJR39U	ERJ-B1BJR39U	0.39	1				5000	
667-ERJ-B1BJR43U	ERJ-B1BJR43U	0.43	1				5000	
667-ERJ-B1BJR47U	ERJ-B1BJR47U	0.47	1				5000	
667-ERJ-B1BJR51U	ERJ-B1BJR51U	0.51	1				5000	
667-ERJ-B1BJR56U	ERJ-B1BJR56U	0.56	1				5000	
667-ERJ-B1BJR62U	ERJ-B1BJR62U	0.62	1				5000	
667-ERJ-B1BJR68U	ERJ-B1BJR68U	0.68	1				5000	
667-ERJ-B1BJR75U	ERJ-B1BJR75U	0.75	1				5000	
667-ERJ-B1BJR82U	ERJ-B1BJR82U	0.82	1				5000	
667-ERJ-B1BJR91U	ERJ-B1BJR91U	0.91	1				5000	
667-ERJ-B1BJ1R0U	ERJ-B1BJ1R0U	1	1				5000	
667-ERJ-B1BJ1R1U	ERJ-B1BJ1R1U	1.1	1				5000	
667-ERJ-B1BJ1R2U	ERJ-B1BJ1R2U	1.2	1				5000	
667-ERJ-B1BJ1R3U	ERJ-B1BJ1R3U	1.3	1				5000	
667-ERJ-B1BJ1R5U	ERJ-B1BJ1R5U	1.5	1				5000	
667-ERJ-B1BJ1R6U	ERJ-B1BJ1R6U	1.6	1				5000	
667-ERJ-B1BJ1R8U	ERJ-B1BJ1R8U	1.8	1				5000	
667-ERJ-B1BJ2R0U	ERJ-B1BJ2R0U	2	1				5000	
667-ERJ-B1BJ2R2U	ERJ-B1BJ2R2U	2.2	1				5000	
667-ERJ-B1BJ2R4U	ERJ-B1BJ2R4U	2.4	1				5000	
667-ERJ-B1BJ2R7U	ERJ-B1BJ2R7U	2.7	1				5000	
667-ERJ-B1BJ3R0U	ERJ-B1BJ3R0U	3	1				5000	
667-ERJ-B1BJ3R3U	ERJ-B1BJ3R3U	3.3	1				5000	
667-ERJ-B1BJ3R6U	ERJ-B1BJ3R6U	3.6	1				5000	
667-ERJ-B1BJ3R9U	ERJ-B1BJ3R9U	3.9	1				5000	
667-ERJ-B1BJ4R3U	ERJ-B1BJ4R3U	4.3	1				5000	
667-ERJ-B1BJ4R7U	ERJ-B1BJ4R7U	4.7	1				5000	
667-ERJ-B1BJ5R1U	ERJ-B1BJ5R1U	5.1	1				5000	
667-ERJ-B1BJ5R6U	ERJ-B1BJ5R6U	5.6	1				5000	
667-ERJ-B1BJ6R2U	ERJ-B1BJ6R2U	6.2	1				5000	
667-ERJ-B1BJ6R8U	ERJ-B1BJ6R8U	6.8	1				5000	
667-ERJ-B1BJ7R5U	ERJ-B1BJ7R5U	7.5	1				5000	
667-ERJ-B1BJ8R2U	ERJ-B1BJ8R2U	8.2	1				5000	
667-ERJ-B1BJ9R1U	ERJ-B1BJ9R1U	9.1	1				5000	
667-ERJ-B1AJ100U	ERJ-B1AJ100U	10	1				5000	
667-ERJ-B1AJ390U	ERJ-B1AJ390U	39	1				5000	
667-ERJ-B1AJ101U	ERJ-B1AJ101U	100	1				5000	
667-ERJ-B1AJ181U	ERJ-B1AJ181U	180	1				5000	
667-ERJ-B1AJ221U	ERJ-B1AJ221U	220	1				5000	
667-ERJ-B1AJ271U	ERJ-B1AJ271U	270	1				5000	
667-ERJ-B1AJ391U	ERJ-B1AJ391U	390	1				5000	
667-ERJ-B1AJ471U	ERJ-B1AJ471U	470	1				5000	
667-ERJ-B1AJ102U	ERJ-B1AJ102U	1.0K	1				5000	
667-ERJ-B1AJ122U	ERJ-B1AJ122U	1.2K	1				5000	
667-ERJ-B1AJ272U	ERJ-B1AJ272U	2.7K	1				5000	
667-ERJ-B1AJ103U	ERJ-B1AJ103U	10K	1				5000	

ERJ SERIES LOW RESISTANCE TYPE

Features:

- Small size and lightweight
- High reliability: Metal glaze thick film resistive element and three layers of electrodes
- Low Resistance Value
- Suitable for both reflow and flow soldering
- Operating Temperature Range: -55°C to +125°C

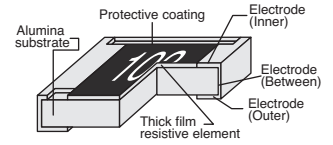
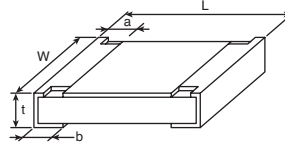


Type (in. size)	DIMENSIONS: mm				
	L	W	a	b	t
ERJ3R (0603)	1.60±0.15	0.80 +0.15/-0.05	0.30±0.20	0.30±0.15	0.45±0.10
ERJ6B (0805)	2.00±0.20	1.25±0.10	0.40±0.20	0.40±0.20	0.60±0.10
ERJ8B (1206)	3.20 +0.05/-0.20	1.60 +0.05/-0.15	0.50±0.20	0.50±0.20	0.60±0.10
ERJ14B (1210)	3.20±0.20	2.50±0.20	0.50±0.20	0.50±0.20	0.60±0.10

Panasonic SMD Resistors

MOUSER STOCK NO.	Panasonic Part No.	Value (Ω)	Power Rating (Watts)	Case Size	Price Each			Reel Quantity	Price Per Piece
					1	100	500		
ERJ3R									
667-ERJ-3RSFR12V	ERJ-3RSFR12V	0.12	0.1	0603				5000	
667-ERJ-3RSFR15V	ERJ-3RSFR15V	0.15	0.1	0603				5000	
667-ERJ-3RQFR22V	ERJ-3RQFR22V	0.22	0.1	0603				5000	
667-ERJ-3RQJR22V	ERJ-3RQJR22V	0.22	0.1	0603				5000	
667-ERJ-3RQFR27V	ERJ-3RQFR27V	0.27	0.1	0603				5000	
667-ERJ-3RQFR33V	ERJ-3RQFR33V	0.33	0.1	0603				5000	
667-ERJ-3RQFR68V	ERJ-3RQFR68V	0.68	0.1	0603				5000	
667-ERJ-3RQF1R5V	ERJ-3RQF1R5V	1.5	0.1	0603				5000	
667-ERJ-3RQF3R9V	ERJ-3RQF3R9V	3.9	0.1	0603				5000	
667-ERJ-3RQF5R6V	ERJ-3RQF5R6V	5.6	0.1	0603				5000	
667-ERJ-3RQF6R8V	ERJ-3RQF6R8V	6.8	0.1	0603				5000	
667-ERJ-3RQF8R2V	ERJ-3RQF8R2V	8.2	0.1	0603				5000	
ERJ6B									
667-ERJ-6BWFR010V	ERJ-6BWFR010V	0.010	0.33	0805				5000	
667-ERJ-6BWFR015V	ERJ-6BWFR015V	0.015	0.33	0805				5000	
667-ERJ-6BWFR020V	ERJ-6BWFR020V	0.020	0.33	0805				5000	
667-ERJ-6BWFR022V	ERJ-6BWFR022V	0.022	0.33	0805				5000	
667-ERJ-6BWFR030V	ERJ-6BWFR030V	0.030	0.33	0805				5000	
667-ERJ-6BWFR033V	ERJ-6BWFR033V	0.033	0.33	0805				5000	
667-ERJ-6BWFR039V	ERJ-6BWFR039V	0.039	0.33	0805				5000	
667-ERJ-6BWFR047V	ERJ-6BWFR047V	0.047	0.33	0805				5000	
667-ERJ-6BSFR12V	ERJ-6BSFR12V	0.12	0.25	0805				5000	
667-ERJ-6BSFR15V	ERJ-6BSFR15V	0.15	0.25	0805				5000	
667-ERJ-6BQFR22V	ERJ-6BQFR22V	0.22	0.25	0805				5000	
667-ERJ-6BQFR27V	ERJ-6BQFR27V	0.27	0.25	0805				5000	
667-ERJ-6BQFR33V	ERJ-6BQFR33V	0.33	0.25	0805				5000	
667-ERJ-6BQFR56V	ERJ-6BQFR56V	0.56	0.25	0805				5000	
667-ERJ-6BQFR68V	ERJ-6BQFR68V	0.68	0.25	0805				5000	
667-ERJ-6BQFR82V	ERJ-6BQFR82V	0.82	0.25	0805				5000	
667-ERJ-6BQF1R2V	ERJ-6BQF1R2V	1.2	0.25	0805				5000	
667-ERJ-6BQF1R5V	ERJ-6BQF1R5V	1.5	0.25	0805				5000	
667-ERJ-6BQF1R8V	ERJ-6BQF1R8V	1.8	0.25	0805				5000	
667-ERJ-6BQF2R7V	ERJ-6BQF2R7V	2.7	0.25	0805				5000	
667-ERJ-6BQF3R3V	ERJ-6BQF3R3V	3.3	0.25	0805				5000	
667-ERJ-6BQF3R9V	ERJ-6BQF3R9V	3.9	0.25	0805				5000	
667-ERJ-6BQF4R7V	ERJ-6BQF4R7V	4.7	0.25	0805				5000	
667-ERJ-6BQF5R6V	ERJ-6BQF5R6V	5.6	0.25	0805				5000	
667-ERJ-6BQF6R8V	ERJ-6BQF6R8V	6.8	0.25	0805				5000	
ERJ8B									
667-ERJ-8BWFR010V	ERJ-8BWFR010V	0.01	0.5	1206				5000	
667-ERJ-8BWFR015V	ERJ-8BWFR015V	0.015	0.5	1206				5000	
667-ERJ-8BWFR018V	ERJ-8BWFR018V	0.018	0.5	1206				5000	
667-ERJ-8BWFR022V	ERJ-8BWFR022V	0.022	0.5	1206				5000	
667-ERJ-8BWFR027V	ERJ-8BWFR027V	0.027	0.5	1206				5000	
667-ERJ-8BWFR036V	ERJ-8BWFR036V	0.036	0.5	1206				5000	
667-ERJ-8BWFR039V	ERJ-8BWFR039V	0.039	0.5	1206				5000	
667-ERJ-8BWFR043V	ERJ-8BWFR043V	0.043	0.5	1206				5000	
667-ERJ-8BWFR047V	ERJ-8BWFR047V	0.047	0.5	1206				5000	
667-ERJ-8BWFR056V	ERJ-8BWFR056V	0.056	0.5	1206				5000	
667-ERJ-8BWFR062V	ERJ-8BWFR062V	0.062	0.5	1206				5000	
667-ERJ-8BWFR068V	ERJ-8BWFR068V	0.068	0.5	1206				5000	
667-ERJ-8BWFR075V	ERJ-8BWFR075V	0.075	0.5	1206				5000	
667-ERJ-8BWFR082V	ERJ-8BWFR082V	0.082	0.5	1206				5000	
667-ERJ-8BWFR100V	ERJ-8BWFR100V	0.10	0.5	1206				5000	
667-ERJ-8BWFR033V	ERJ-8BWFR033V	0.33	0.5	1206				5000	
667-ERJ-8BSFR12V	ERJ-8BSFR12V	0.12	0.33	1206				5000	
667-ERJ-8BSFR15V	ERJ-8BSFR15V	0.15	0.33	1206				5000	
667-ERJ-8BSFR18V	ERJ-8BSFR18V	0.18	0.33	1206				5000	
ERJ14B									
667-ERJ-14BQFR22U	ERJ-14BQFR22U	0.22	0.5	1210				5000	
667-ERJ-14BQFR27U	ERJ-14BQFR27U	0.27	0.5	1210				5000	
667-ERJ-14BQFR33U	ERJ-14BQFR33U	0.33	0.5	1210				5000	
667-ERJ-14BQFR39U	ERJ-14BQFR39U	0.39	0.5	1210				5000	
667-ERJ-14BQF1R5U	ERJ-14BQF1R5U	1.5	0.5	1210				5000	
667-ERJ-14BQF1R8U	ERJ-14BQF1R8U	1.8	0.5	1210				5000	
667-ERJ-14BQF2R2U	ERJ-14BQF2R2U	2.2	0.5	1210				5000	
667-ERJ-14BQF4R7U	ERJ-14BQF4R7U	4.7	0.5	1210				5000	
667-ERJ-14BQF5R6U	ERJ-14BQF5R6U	5.6	0.5	1210				5000	
667-ERJ-14BQF6R8U	ERJ-14BQF6R8U	6.8	0.5	1210				5000	
667-ERJ-14BSFR10U	ERJ-14BSFR10U	0.10	0.5	1210				5000	
667-ERJ-14BSFR12U	ERJ-14BSFR12U	0.12	0.5	1210				5000	
667-ERJ-14BSFR15U	ERJ-14BSFR15U	0.15	0.5	1210				5000	
667-ERJ-14BSFR18U	ERJ-14BSFR18U	0.18	0.5	1210				5000	
667-ERJ-14BQFR47U	ERJ-14BQFR47U	0.47	0.5	1210				5000	
667-ERJ-14BQFR56U	ERJ-14BQFR56U	0.56	0.5	1210				5000	
667-ERJ-14BQFR68U	ERJ-14BQFR68U	0.68	0.5	1210				5000	

Type (Case Size)	DIMENSIONS: mm					Power Rating (Watts)
	L	W	a	b	t	
ERJ-T06 (0805)	2.00±0.20	1.25±0.10	0.25±0.20	0.40±0.20	0.60±0.10	0.25
ERJ-T08 (1206)	3.20 +0.05/-0.20	1.60 +0.05/-0.15	0.40±0.20	0.50±0.20	0.60±0.10	0.33
ERJ-T14 (1210)	3.20±0.20	2.50±0.20	0.35±0.20	0.50±0.20	0.60±0.10	0.5
ERJ-TRQF (2512)	6.40±0.20	3.20±0.20	0.65±0.20	0.60±0.20	0.60±0.10	1
ERJ-XGNJ (1005)	3.20±0.20	2.50±0.20	0.50±0.20	0.50±0.20	0.60±0.10	0.031



ERJ-T06, ERJ-T08, ERJ-T14, ERJ-1TRQF, AND ERJ-XGNJ SERIES THICK FILM CHIP RESISTORS

Features:

- High reliability: Metal glaze thick film resistive element and three layers of electrodes
- Suitable for both reflow and flow soldering

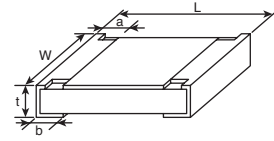
MOUSER STOCK NO.	Panasonic Part No.	Value (Ω)	Price Each			Reel Qty.	Price Per Piece
			1	100	500		
0805 Case Size - ERJ-T06 Series							
667-ERJ-T06J1R0V	ERJ-T06J1R0V	1				5000	
667-ERJ-T06J1R2V	ERJ-T06J1R2V	1.2				5000	
667-ERJ-T06J1R5V	ERJ-T06J1R5V	1.5				5000	
667-ERJ-T06J1R8V	ERJ-T06J1R8V	1.8				5000	
667-ERJ-T06J3R9V	ERJ-T06J3R9V	3.9				5000	
667-ERJ-T06J4R7V	ERJ-T06J4R7V	4.7				5000	
667-ERJ-T06J6R8V	ERJ-T06J6R8V	6.8				5000	
667-ERJ-T06J8R2V	ERJ-T06J8R2V	8.2				5000	
667-ERJ-T06J100V	ERJ-T06J100V	10				5000	
667-ERJ-T06J150V	ERJ-T06J150V	15				5000	
667-ERJ-T06J180V	ERJ-T06J180V	18				5000	
667-ERJ-T06J220V	ERJ-T06J220V	22				5000	
667-ERJ-T06J560V	ERJ-T06J560V	56				5000	
667-ERJ-T06J820V	ERJ-T06J820V	82				5000	
667-ERJ-T06J181V	ERJ-T06J181V	18.1				5000	
667-ERJ-T06J331V	ERJ-T06J331V	330				5000	
667-ERJ-T06J391V	ERJ-T06J391V	390				5000	
667-ERJ-T06J471V	ERJ-T06J471V	470				5000	
667-ERJ-T06J681V	ERJ-T06J681V	680				5000	
667-ERJ-T06J102V	ERJ-T06J102V	1.0K				5000	
667-ERJ-T06J122V	ERJ-T06J122V	1.2K				5000	
667-ERJ-T06J152V	ERJ-T06J152V	1.5K				5000	
667-ERJ-T06J182V	ERJ-T06J182V	1.8K				5000	
667-ERJ-T06J272V	ERJ-T06J272V	2.7K				5000	
667-ERJ-T06J332V	ERJ-T06J332V	3.3K				5000	
667-ERJ-T06J562V	ERJ-T06J562V	5.6K				5000	
667-ERJ-T06J822V	ERJ-T06J822V	8.2K				5000	
667-ERJ-T06J273V	ERJ-T06J273V	27K				5000	
667-ERJ-T06J683V	ERJ-T06J683V	68K				5000	
667-ERJ-T06J474V	ERJ-T06J474V	470K				5000	
667-ERJ-T06J684V	ERJ-T06J684V	680K				5000	
667-ERJ-T06J105V	ERJ-T06J105V	1M				5000	
1206 Case Size - ERJ-T08 Series							
667-ERJ-T08J1R0V	ERJ-T08J1R0V	1				5000	
667-ERJ-T08J1R2V	ERJ-T08J1R2V	1.2				5000	
667-ERJ-T08J1R5V	ERJ-T08J1R5V	1.5				5000	
667-ERJ-T08J1R8V	ERJ-T08J1R8V	1.8				5000	
667-ERJ-T08J2R7V	ERJ-T08J2R7V	2.7				5000	
667-ERJ-T08J3R3V	ERJ-T08J3R3V	3.3				5000	
667-ERJ-T08J3R9V	ERJ-T08J3R9V	3.9				5000	
667-ERJ-T08J4R7V	ERJ-T08J4R7V	4.7				5000	
667-ERJ-T08J5R6V	ERJ-T08J5R6V	5.6				5000	
667-ERJ-T08J6R8V	ERJ-T08J6R8V	6.8				5000	
667-ERJ-T08J120V	ERJ-T08J120V	12				5000	
667-ERJ-T08J220V	ERJ-T08J220V	22				5000	
667-ERJ-T08J270V	ERJ-T08J270V	27				5000	
667-ERJ-T08J330V	ERJ-T08J330V	33				5000	
667-ERJ-T08J390V	ERJ-T08J390V	39				5000	
667-ERJ-T08J560V	ERJ-T08J560V	56				5000	
667-ERJ-T08J101V	ERJ-T08J101V	100				5000	
667-ERJ-T08J181V	ERJ-T08J181V	180				5000	
667-ERJ-T08J331V	ERJ-T08J331V	330				5000	
667-ERJ-T08J391V	ERJ-T08J391V	390				5000	
667-ERJ-T08J471V	ERJ-T08J471V	470				5000	
667-ERJ-T08J561V	ERJ-T08J561V	560				5000	
667-ERJ-T08J122V	ERJ-T08J122V	1.2K				5000	
667-ERJ-T08J152V	ERJ-T08J152V	1.5K				5000	
667-ERJ-T08J222V	ERJ-T08J222V	2.2K				5000	
667-ERJ-T08J272V	ERJ-T08J272V	2.7K				5000	
667-ERJ-T08J472V	ERJ-T08J472V	4.7K				5000	
667-ERJ-T08J562V	ERJ-T08J562V	5.6K				5000	
667-ERJ-T08J103V	ERJ-T08J103V	10K				5000	
667-ERJ-T08J223V	ERJ-T08J223V	22K				5000	
667-ERJ-T08J273V	ERJ-T08J273V	27K				5000	

MOUSER STOCK NO.	Panasonic Part No.	Value (Ω)	Price Each			Reel Qty.	Price Per Piece
			1	100	500		
1206 Case Size - ERJ-T08 Series (Cont.)							
667-ERJ-T08J333V	ERJ-T08J333V	33K				5000	
667-ERJ-T08J473V	ERJ-T08J473V	47K				5000	
667-ERJ-T08J474V	ERJ-T08J474V	470K				5000	
667-ERJ-T08J105V	ERJ-T08J105V	1M				5000	
1210 Case Size - ERJ-T14 Series							
667-ERJ-T14J1R0U	ERJ-T14J1R0U	1				5000	
667-ERJ-T14J1R5U	ERJ-T14J1R5U	1.5				5000	
667-ERJ-T14J2R2U	ERJ-T14J2R2U	2.2				5000	
667-ERJ-T14J3R9U	ERJ-T14J3R9U	3.9				5000	
667-ERJ-T14J4R7U	ERJ-T14J4R7U	4.7				5000	
667-ERJ-T14J6R8U	ERJ-T14J6R8U	6.8				5000	
2512 Case Size - ERJ-1TRQF Series							
667-ERJ-1TRQFR22U	ERJ-1TRQFR22U	0.22				4000	
667-ERJ-1TRQFR27U	ERJ-1TRQFR27U	0.27				4000	
667-ERJ-1TRQFR33U	ERJ-1TRQFR33U	0.33				4000	
667-ERJ-1TRQFR39U	ERJ-1TRQFR39U	0.39				4000	
667-ERJ-1TRQFR47U	ERJ-1TRQFR47U	0.47				4000	
667-ERJ-1TRQFR56U	ERJ-1TRQFR56U	0.56				4000	
667-ERJ-1TRQFR68U	ERJ-1TRQFR68U	0.68				4000	
667-ERJ-1TRQFR82U	ERJ-1TRQFR82U	0.82				4000	
667-ERJ-1TRQF1R0U	ERJ-1TRQF1R0U	1				4000	
667-ERJ-1TRQF1R2U	ERJ-1TRQF1R2U	1.2				4000	
667-ERJ-1TRQF1R5U	ERJ-1TRQF1R5U	1.5				4000	
667-ERJ-1TRQF1R8U	ERJ-1TRQF1R8U	1.8				4000	
667-ERJ-1TRQF2R2U	ERJ-1TRQF2R2U	2.2				4000	
667-ERJ-1TRQF2R7U	ERJ-1TRQF2R7U	2.7				4000	
667-ERJ-1TRQF3R3U	ERJ-1TRQF3R3U	3.3				4000	
667-ERJ-1TRQF3R9U	ERJ-1TRQF3R9U	3.9				4000	
667-ERJ-1TRQF4R7U	ERJ-1TRQF4R7U	4.7				4000	
667-ERJ-1TRQF5R6U	ERJ-1TRQF5R6U	5.6				4000	
667-ERJ-1TRQF6R8U	ERJ-1TRQF6R8U	6.8				4000	
667-ERJ-1TRQF8R2U	ERJ-1TRQF8R2U	8.2				4000	
1005 Case Size - ERJ-XGNJ Series							
667-ERJ-XGNJ100Y	ERJ-XGNJ100Y	10				20000	
667-ERJ-XGNJ220Y	ERJ-XGNJ220Y	22				20000	
667-ERJ-XGNJ330Y	ERJ-XGNJ330Y	33				20000	
667-ERJ-XGNJ470Y	ERJ-XGNJ470Y	47				20000	
667-ERJ-XGNJ560Y	ERJ-XGNJ560Y	56				20000	
667-ERJ-XGNJ750Y	ERJ-XGNJ750Y	75				20000	
667-ERJ-XGNJ101Y	ERJ-XGNJ101Y	100				20000	
667-ERJ-XGNJ221Y	ERJ-XGNJ221Y	220				20000	
667-ERJ-XGNJ331Y	ERJ-XGNJ331Y	330				20000	
667-ERJ-XGNJ471Y	ERJ-XGNJ471Y	470				20000	
667-ERJ-XGNJ561Y	ERJ-XGNJ561Y	560				20000	
667-ERJ-XGNJ751Y	ERJ-XGNJ751Y	750				20000	
667-ERJ-XGNJ102Y	ERJ-XGNJ102Y	1.0K				20000	
667-ERJ-XGNJ222Y	ERJ-XGNJ222Y	2.2K				20000	
667-ERJ-XGNJ332Y	ERJ-XGNJ332Y	3.3K				20000	
667-ERJ-XGNJ472Y	ERJ-XGNJ472Y	4.7K				20000	
667-ERJ-XGNJ562Y	ERJ-XGNJ562Y	5.6K				20000	
667-ERJ-XGNJ752Y	ERJ-XGNJ752Y	7.5K				20000	
667-ERJ-XGNJ103Y	ERJ-XGNJ103Y	10K				20000	
667-ERJ-XGNJ223Y	ERJ-XGNJ223Y	22K				20000	
667-ERJ-XGNJ333Y	ERJ-XGNJ333Y	33K				20000	
667-ERJ-XGNJ473Y	ERJ-XGNJ473Y	47K				20000	
667-ERJ-XGNJ563Y	ERJ-XGNJ563Y	56K				20000	
667-ERJ-XGNJ753Y	ERJ-XGNJ753Y	75K				20000	
667-ERJ-XGNJ104Y	ERJ-XGNJ104Y	100K				20000	
667-ERJ-XGNJ224Y	ERJ-XGNJ224Y	220K				20000	
667-ERJ-XGNJ334Y	ERJ-XGNJ334Y	330K				20000	
667-ERJ-XGNJ474Y	ERJ-XGNJ474Y	470K				20000	
667-ERJ-XGNJ564Y	ERJ-XGNJ564Y	560K				20000	
667-ERJ-XGNJ754Y	ERJ-XGNJ754Y	750K				20000	
667-ERJ-XGNJ105Y	ERJ-XGNJ105Y	1M				20000	

RoHS Compliant This product is RoHS compliant.

Features:

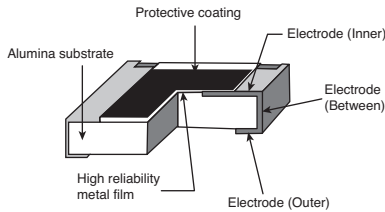
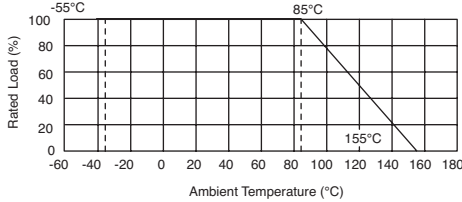
- High reliability: Stable at high temperature and humidity (85°C 85% RH rated load, Category temperature range: -55°C to +155°C)
- High accuracy: Small resistance tolerance and Temperature Coefficient of Resistance
- High performance: Low current noise, excellent non-linearity
- Reference Standard: IEC 60115-8, JIS C 5201-8, EIAJ RC-2133A



Type (in.)	DIMENSIONS: (mm)					Mass(lb) (g/1000pcs.)
	L	W	a	b	t	
ERA2A (0402)	1.00 (±0.10)	0.50 (0.10±0.05)	0.15 (±0.10)	0.25 (±0.10)	0.35 (±0.05)	0.6
ERA3A (0603)	1.60 (±0.20)	0.80 (±0.20)	0.30 (±0.20)	0.30 (±0.20)	0.45 (±0.10)	2
ERA6A (0805)	2.00 (±0.20)	1.25 (±0.10)	0.40 (±0.25)	0.40 (±0.25)	0.50 (±0.10)	4
ERA8A (1206)	3.20 (±0.20)	1.60 (±0.10)	0.50 (±0.25)	0.50 (±0.25)	0.60 (±0.10)	4

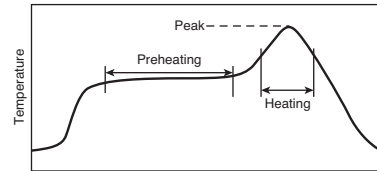
Power Derating Curve:

For resistors operated in ambient temperatures above 85°C, power rating shall be derated in accordance with the figure on the right.



Recommended Soldering Conditions:

- Reflow soldering shall be performed a maximum of two times
- Please contact us for additional information when used in conditions other than those specified
- Please measure the temperature of the terminals and study every kind of solder and printed circuit board for solderability before actual use



For Soldering (Example: Sn/Pb)			For Lead-Free Soldering (Example: Sn/Ag/Cu)		
	Temperature	Time		Temperature	Time
Preheating	140°C to 160°C	60s to 120s	Preheating	150°C to 180°C	60s to 120s
Main heating	Above 200°C	30s to 40s	Main heating	Above 230°C	30s to 40s
Peak	235°C±5°C	max. 10s	Peak	max. 260°C	max. 10s

• Recommended soldering conditions for flow

	For Soldering		For Lead-Free Soldering	
	Temperature	Time	Temperature	Time
Preheating	140°C to 180°C	60s to 120s	150°C to 180°C	60s to 120s
Soldering	245°C ± 5°C	20s to 30s	max. 260°C	max. 10s

0.1% 25PPM THIN FILM CHIP RESISTORS

TABLE OF STOCKED VALUES

Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code
10	100	56	560	180	181	475	4750	1.21K	1211	3.9K	392	10K	103	27.4K	2742	75K	753	205K	2053	619K	6193
11	110	56.2	56R2	182	1820	499	4990	1.3K	132	3.92K	3921	10.2K	1022	30K	303	76.8K	7682	220K	2204	620K	624
12	120	61.9	61R9	200	201	510	511	1.37K	1371	4.3K	432	11K	113	30.1K	3012	82K	823	221K	2213	562K	5623
13	130	62	620	205	2050	511	5110	1.5K	152	4.32K	4321	11.5K	1152	33K	333	82.5K	8252	240K	2404	680K	684
15	150	68	680	221	2210	560	561	1.54K	1541	4.7K	472	12K	123	33.2K	3322	90.9K	9092	243K	2433	681K	6813
16	160	68.1	68R1	240	241	562	5620	1.6K	162	4.75K	4751	12.1K	1212	36K	363	91K	913	270K	2704	715K	7153
18	180	82	820	249	2490	619	6190	1.82K	1821	4.99K	4991	13K	133	39K	393	100K	1004	274K	2743	750K	754
20	200	82.5	82R5	270	271	680	681	2.0K	202	5.11K	5111	13.3K	1332	39.2K	3922	102K	1023	300K	3004	820K	824
22	220	90.9	90R9	274	2740	681	6810	2.05K	2051	5.6K	562	15.4K	1542	43.2K	4322	110K	1104	301K	3013	825K	8253
24	240	91	910	300	301	750	751	2.2K	222	5.62K	5621	16K	163	47K	473	113K	1133	330K	3304	909K	9093
30	300	100	101	301	3010	768	7680	2.21K	2211	6.19K	6191	16.5K	1652	47.5K	4752	121K	1213	332K	3323	910K	914
33	330	110	111	330	331	820	821	2.4K	242	6.2K	622	18K	183	49.9K	4992	130K	1304	390K	3904	1M	105
36	360	115	1150	332	3320	825	8250	2.49K	2491	6.8K	682	18.2K	1822	51K	513	133K	1333	392K	3923		
39	390	120	121	360	361	909	9090	2.7K	272	6.81K	6811	20K	203	51.1K	5112	150K	1504	430K	4304		
43	430	121	1210	365	3650	910	911	2.74K	2741	7.5K	752	20.5K	2052	56K	563	154K	1543	470K	4704		
47	470	130	131	390	391	1.0K	101	3.0K	302	7.68K	7681	22K	223	56.2K	5622	160K	1604	475K	4753		
47.5	47R5	133	1330	392	3920	1.02K	1021	3.01K	3011	8.2K	822	22.1K	2212	61.9K	6192	162K	1623	499K	4993		
49.9	49R9	150	151	430	431	1.1K	112	3.3K	332	8.25K	8251	24K	243	62K	623	180K	1804	510K	5104		
51	510	160	161	432	4320	1.15K	1151	3.32K	3321	9.09K	9091	24.3K	2432	68K	683	182K	1823	511K	5113		
51.1	51R1	165	1650	470	471	1.2K	122	3.6K	362	9.1K	912	27K	273	68.1K	6812	200K	2004	560K	564		



For quantities greater than listed, call for quote.

Size	MOUSER STOCK NO.			Panasonic Part No.	Value Range	Power Rating @85°C	RCWW (max Vdc)	Max. Overload Voltage (Vdc)	Tolerance	T.C.R. (ppm/°C)	Price Each				Reel Quantity	Price Per Piece
	Prefix	Value	Suffix								1	100	500	1000		
0402	667-ERA-2AEB-	Code-	X	ERA-2AEB-Code-X	47-100K E24	0.063	25	50	±0.1%	25					10000	
0603	667-ERA-3AEB-	Code-	V	ERA-3AEB-Code-V	47-330K E24	0.10	75	150	±0.1%	25					5000	
0805	667-ERA-6AEB-	Code-	V	ERA-6AEB-Code-V	47-1M E24	0.125	100	200	±0.1%	25					5000	
1206	667-ERA-8AEB-	Code-	V	ERA-8AEB-Code-V	47-1M E24	0.25	150	300	±0.1%	25					5000	

0.05% 10PPM THIN FILM CHIP RESISTORS

TABLE OF STOCKED VALUES

Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)	Code
1.2K	122	2.2K	222	3.9K	392	5.6K	562	1K	102	15K	153	27K	273	47K	473	68K	683		
1.5K	152	2.7K	272	4.7K	472	6.8K	682	10K	103	18K	183	33K	333	51K	513	82K	823		
1.8K	182	3.3K	332	5.1K	512	8.5K	822	12K	123	22K	223	39K	393	56K	563	100K	104		



For quantities greater than listed, call for quote.

Size	MOUSER STOCK NO.			Panasonic Part No.	Value Range	Power Rating @85°C	RCWW (max Vdc)	Max. Overload Voltage (Vdc)	Tolerance	T.C.R. (ppm/°C)	Price Each				Reel Quantity	Price Per Piece
	Prefix	Value	Suffix								1	100	500	1000		
0603	667-ERA-3ARW-	Code-	V	ERA-3ARW-Code-V	1.2K-100K	0.10	75	150	0.05%	10					5000	
0805	667-ERA-6ARW-	Code-	V	ERA-6ARW-Code-V	1.2K-100K	0.125	100	200	0.05%	10					5000	

SUSUMU Ultra-Precision Metal Film Chip Resistors

RG SERIES

Features:

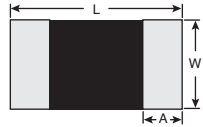
- High Reliability and Excellent Stability at different environmental conditions
- Low noise, THIN FILM(NiCr) construction
- EIA Standard case size (0402, 0603, 0805, 1206)
- RoHS Compliance and 100% Lead-Free (Matte Sn termination finished)

Applications:

- Automotive
- Test and Measurement
- Optical and Telecommunication
- Medical and Industrial Equipment

Specifications:

- Tolerance: $\pm 0.1\%$
- Temperature Coefficient: 25ppm



DIMENSIONS: (in.)	RG1608 (0603)	RG2012 (0805)	RG3216 (1206)
L	1.6 \pm 0.2	2.0 \pm 0.2	3.2 \pm 0.2
W	0.8 \pm 0.2	1.25 \pm 0.2	1.6 \pm 0.2
A	0.3 \pm 0.2	0.4 \pm 0.2	0.5 \pm 0.25
B	0.3 \pm 0.2	0.4 \pm 0.2	0.5 \pm 0.2
T	0.4 \pm 0.1	0.4 \pm 0.1	0.4 \pm 0.1

0603 Size, 1/10 Watt

MOUSER STOCK NO.	Susumu Part No.	Value Ω	Price Each				Reel Qty.	Price Per Piece
			1	10	100	500		
754-RG1608P-510-BT5	RG1608P-510-B-T5	51				5000		
754-RG1608P-620-BT5	RG1608P-620-B-T5	62				5000		
754-RG1608P-680-BT5	RG1608P-680-B-T5	68				5000		
754-RG1608P-750-BT5	RG1608P-750-B-T5	75				5000		
754-RG1608P-111-BT5	RG1608P-111-B-T5	110				5000		
754-RG1608P-121-BT5	RG1608P-121-B-T5	120				5000		
754-RG1608P-1330-BT5	RG1608P-1330-B-T5	133				5000		
754-RG1608P-151-BT5	RG1608P-151-B-T5	150				5000		
754-RG1608P-161-BT5	RG1608P-161-B-T5	160				5000		
754-RG1608P-181-BT5	RG1608P-181-B-T5	180				5000		
754-RG1608P-221-BT5	RG1608P-221-B-T5	220				5000		
754-RG1608P-2210-BT5	RG1608P-2210-B-T5	221				5000		
754-RG1608P-241-BT5	RG1608P-241-B-T5	240				5000		
754-RG1608P-271-BT5	RG1608P-271-B-T5	270				5000		
754-RG1608P-301-BT5	RG1608P-301-B-T5	300				5000		
754-RG1608P-3010-BT5	RG1608P-3010-B-T5	301				5000		
754-RG1608P-331-BT5	RG1608P-331-B-T5	330				5000		
754-RG1608P-361-BT5	RG1608P-361-B-T5	360				5000		
754-RG1608P-391-BT5	RG1608P-391-B-T5	390				5000		
754-RG1608P-431-BT5	RG1608P-431-B-T5	430				5000		
754-RG1608P-4530-BT5	RG1608P-4530-B-T5	453				5000		
754-RG1608P-511-BT5	RG1608P-511-B-T5	510				5000		
754-RG1608P-5230-BT5	RG1608P-5230-B-T5	523				5000		
754-RG1608P-561-BT5	RG1608P-561-B-T5	560				5000		
754-RG1608P-5620-BT5	RG1608P-5620-B-T5	562				5000		
754-RG1608P-621-BT5	RG1608P-621-B-T5	620				5000		
754-RG1608P-681-BT5	RG1608P-681-B-T5	680				5000		
754-RG1608P-751-BT5	RG1608P-751-B-T5	750				5000		
754-RG1608P-821-BT5	RG1608P-821-B-T5	820				5000		
754-RG1608P-1151-BT5	RG1608P-1151-B-T5	1.15K				5000		
754-RG1608P-1181-BT5	RG1608P-1181-B-T5	1.18K				5000		
754-RG1608P-122-BT5	RG1608P-122-B-T5	1.2K				5000		
754-RG1608P-1581-BT5	RG1608P-1581-B-T5	1.58K				5000		
754-RG1608P-162-BT5	RG1608P-162-B-T5	1.6K				5000		
754-RG1608P-1691-BT5	RG1608P-1691-B-T5	1.69K				5000		
754-RG1608P-1821-BT5	RG1608P-1821-B-T5	1.82K				5000		
754-RG1608P-2151-BT5	RG1608P-2151-B-T5	2.15K				5000		
754-RG1608P-2211-BT5	RG1608P-2211-B-T5	2.21K				5000		
754-RG1608P-2371-BT5	RG1608P-2371-B-T5	2.37K				5000		
754-RG1608P-242-BT5	RG1608P-242-B-T5	2.4K				5000		
754-RG1608P-2431-BT5	RG1608P-2431-B-T5	2.43K				5000		
754-RG1608P-2551-BT5	RG1608P-2551-B-T5	2.55K				5000		
754-RG1608P-2611-BT5	RG1608P-2611-B-T5	2.61K				5000		
754-RG1608P-2671-BT5	RG1608P-2671-B-T5	2.67K				5000		
754-RG1608P-272-BT5	RG1608P-272-B-T5	2.7K				5000		
754-RG1608P-3401-BT5	RG1608P-3401-B-T5	3.40K				5000		
754-RG1608P-3481-BT5	RG1608P-3481-B-T5	3.48K				5000		
754-RG1608P-3571-BT5	RG1608P-3571-B-T5	3.57K				5000		
754-RG1608P-362-BT5	RG1608P-362-B-T5	3.6K				5000		
754-RG1608P-3651-BT5	RG1608P-3651-B-T5	3.65K				5000		

0603 Size, 1/10 Watt (Cont.)

MOUSER STOCK NO.	Susumu Part No.	Value Ω	Price Each				Reel Qty.	Price Per Piece
			1	10	100	500		
754-RG1608P-3741-BT5	RG1608P-3741-B-T5	3.74K				5000		
754-RG1608P-392-BT5	RG1608P-392-B-T5	3.9K				5000		
754-RG1608P-432-BT5	RG1608P-432-B-T5	4.3K				5000		
754-RG1608P-4871-BT5	RG1608P-4871-B-T5	4.87K				5000		
754-RG1608P-512-BT5	RG1608P-512-B-T5	5.1K				5000		
754-RG1608P-562-BT5	RG1608P-562-B-T5	5.6K				5000		
754-RG1608P-622-BT5	RG1608P-622-B-T5	6.2K				5000		
754-RG1608P-6811-BT5	RG1608P-6811-B-T5	6.81K				5000		
754-RG1608P-7871-BT5	RG1608P-7871-B-T5	7.87K				5000		
754-RG1608P-8871-BT5	RG1608P-8871-B-T5	8.87K				5000		
754-RG1608P-912-BT5	RG1608P-912-B-T5	9.1K				5000		
754-RG1608P-9531-BT5	RG1608P-9531-B-T5	9.53K				5000		
754-RG1608P-9761-BT5	RG1608P-9761-B-T5	9.76K				5000		
754-RG1608P-113-BT5	RG1608P-113-B-T5	11K				5000		
754-RG1608P-163-BT5	RG1608P-163-B-T5	16K				5000		
754-RG1608P-1742-BT5	RG1608P-1742-B-T5	17.4K				5000		
754-RG1608P-183-BT5	RG1608P-183-B-T5	18K				5000		
754-RG1608P-243-BT5	RG1608P-243-B-T5	24K				5000		
754-RG1608P-2552-BT5	RG1608P-2552-B-T5	25.5K				5000		
754-RG1608P-273-BT5	RG1608P-273-B-T5	27K				5000		
754-RG1608P-333-BT5	RG1608P-333-B-T5	33K				5000		
754-RG1608P-3482-BT5	RG1608P-3482-B-T5	34.8K				5000		
754-RG1608P-363-BT5	RG1608P-363-B-T5	36K				5000		
754-RG1608P-3832-BT5	RG1608P-3832-B-T5	38.3K				5000		
754-RG1608P-393-BT5	RG1608P-393-B-T5	39K				5000		
754-RG1608P-3922-BT5	RG1608P-3922-B-T5	39.2K				5000		
754-RG1608P-4121-BT5	RG1608P-4121-B-T5	41.2K				5000		
754-RG1608P-433-BT5	RG1608P-433-B-T5	43K				5000		
754-RG1608P-513-BT5	RG1608P-513-B-T5	51K				5000		
754-RG1608P-5112-BT5	RG1608P-5112-B-T5	51.1K				5000		
754-RG1608P-5362-BT5	RG1608P-5362-B-T5	53.6K				5000		
754-RG1608P-5622-BT5	RG1608P-5622-B-T5	56.2K				5000		
754-RG1608P-5762-BT5	RG1608P-5762-B-T5	57.6K				5000		
754-RG1608P-6042-BT5	RG1608P-6042-B-T5	60.4K				5000		
754-RG1608P-683-BT5	RG1608P-683-B-T5	68K				5000		
754-RG1608P-6812-BT5	RG1608P-6812-B-T5	68.1K				5000		
754-RG1608P-7322-BT5	RG1608P-7322-B-T5	73.2K				5000		
754-RG1608P-823-BT5	RG1608P-823-B-T5	82K				5000		
754-RG1608P-8452-BT5	RG1608P-8452-B-T5	84.5K				5000		
754-RG1608P-913-BT5	RG1608P-913-B-T5	91K				5000		
754-RG1608P-1053-BT5	RG1608P-1053-B-T5	105K				5000		
754-RG1608P-114-BT5	RG1608P-114-B-T5	110K				5000		
754-RG1608P-124-BT5	RG1608P-124-B-T5	120K				5000		
754-RG1608P-1243-BT5	RG1608P-1243-B-T5	124K				5000		
754-RG1608P-134-BT5	RG1608P-134-B-T5	130K				5000		
754-RG1608P-224-BT5	RG1608P-224-B-T5	220K				5000		
754-RG1608P-2213-BT5	RG1608P-2213-B-T5	221K				5000		
754-RG1608P-244-BT5	RG1608P-244-B-T5	240K				5000		
754-RG1608P-274-BT5	RG1608P-274-B-T5	270K				5000		

0805 Size, 1/8 Watt

MOUSER STOCK NO.	Susumu Part No.	Value Ω	Price Each				Reel Qty.	Price Per Piece
			1	10	100	500		
754-RG2012P-71R5-BT5	RG2012P-71R5-B-T5	71.5				5000		
754-RG2012P-750-BT5	RG2012P-750-B-T5	75				5000		
754-RG2012P-910-BT5	RG2012P-910-B-T5	91				5000		
754-RG2012P-1400-BT5	RG2012P-1400-B-T5	1400				5000		
754-RG2012P-181-BT5	RG2012P-181-B-T5	180				5000		
754-RG2012P-221-BT5	RG2012P-221-B-T5	220				5000		
754-RG2012P-241-BT5	RG2012P-241-B-T5	240				5000		
754-RG2012P-3160-BT5	RG2012P-3160-B-T5	316				5000		
754-RG2012P-331-BT5	RG2012P-331-B-T5	330				5000		
754-RG2012P-361-BT5	RG2012P-361-B-T5	360				5000		
754-RG2012P-391-BT5	RG2012P-391-B-T5	390				5000		
754-RG2012P-3920-BT5	RG2012P-3920-B-T5	3920				5000		
754-RG2012P-431-BT5	RG2012P-431-B-T5	430				5000		
754-RG2012P-4530-BT5	RG2012P-4530-B-T5	453				5000		
754-RG2012P-5110-BT5	RG2012P-5110-B-T5	511				5000		
754-RG2012P-561-BT5	RG2012P-561-B-T5	560				5000		
754-RG2012P-621-BT5	RG2012P-621-B-T5	620				5000		
754-RG2012P-681-BT5	RG2012P-681-B-T5	680				5000		
754-RG2012P-6980-BT5	RG2012P-6980-B-T5	698				5000		
754-RG2012P-7320-BT5	RG2012P-7320-B-T5	732				5000		

0805 Size, 1/8 Watt (Cont.)

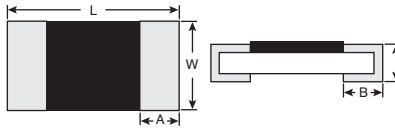
MOUSER STOCK NO.	Susumu Part No.	Value Ω	Price Each				Reel Qty.	Price Per Piece
			1	10	100	500		
754-RG2012P-162-BT5	RG2012P-162-B-T5	1.6K				5000		
754-RG2012P-1691-BT5	RG2012P-1691-B-T5	1.69K				5000		
754-RG2012P-182-BT5	RG2012P-182-B-T5	1.8K				5000		
754-RG2012P-1871-BT5	RG2012P-1871-B-T5	1.87K				5000		
754-RG2012P-2211-BT5	RG2012P-2211-B-T5	2.21K				5000		
754-RG2012P-272-BT5	RG2012P-272-B-T5	2.7K				5000		
754-RG2012P-2941-BT5	RG2012P-2941-B-T5	2.94K				5000		
754-RG2012P-3091-BT5	RG2012P-3091-B-T5	3.09K				5000		
754-RG2012P-3571-BT5	RG2012P-3571-B-T5	3.57K				5000		
754-RG2012P-3741-BT5	RG2012P-3741-B-T5	3.74K				5000		
754-RG2012P-392-BT5	RG2012P-392-B-T5	3.9K				5000		
75								

SUSUMU Ultra-Precision Metal Film Chip Resistors

RG SERIES (CONT.)

- Features:**
- High Reliability and Excellent Stability at different environmental conditions
 - Low noise, THIN FILM(NiCr) construction
 - EIA Standard case size (0402, 0603, 0805, 1206)
 - RoHS Compliance and 100% Lead-Free (Matte Sn termination finished)

- Applications:**
- Automotive
 - Test & Measurement
 - Optical & Telecommunication
 - Medical and Industrial Equipment
- Specifications:**
- Tolerance: $\pm 0.1\%$
 - Temperature Coefficient: 25ppm



DIMENSIONS: (in.)	RG1608 (0603)	RG2012 (0805)	RG3216 (1206)
L	1.6 \pm 0.2	2.0 \pm 0.2	3.2 \pm 0.2
W	0.8 \pm 0.2	1.25 \pm 0.2	1.6 \pm 0.2
A	0.3 \pm 0.2	0.4 \pm 0.2	0.5 \pm 0.25
B	0.3 \pm 0.2	0.4 \pm 0.2	0.5 \pm 0.2
T	0.4 \pm 0.1	0.4 \pm 0.1	0.4 \pm 0.1

0805 Size, 1/8 Watt

MOUSER STOCK NO.	Susumu Part No.	Value Ω	Price Each				Reel Qty.	Price Per Piece
			1	10	100	500		
754-RG2012P-8450-BT5	RG2012P-8450-B-T5	845				5000		
754-RG2012P-132-BT5	RG2012P-132-B-T5	1.3K				5000		
754-RG2012P-1371-BT5	RG2012P-1371-B-T5	1.37K				5000		
754-RG2012P-163-BT5	RG2012P-163-B-T5	16K				5000		
754-RG2012P-183-BT5	RG2012P-183-B-T5	18K				5000		
754-RG2012P-243-BT5	RG2012P-243-B-T5	24K				5000		
754-RG2012P-2672-BT5	RG2012P-2672-B-T5	26.7K				5000		
754-RG2012P-2872-BT5	RG2012P-2872-B-T5	28.7K				5000		
754-RG2012P-333-BT5	RG2012P-333-B-T5	33K				5000		
754-RG2012P-3482-BT5	RG2012P-3482-B-T5	34.8K				5000		
754-RG2012P-363-BT5	RG2012P-363-B-T5	36K				5000		
754-RG2012P-3832-BT5	RG2012P-3832-B-T5	38.3K				5000		
754-RG2012P-393-BT5	RG2012P-393-B-T5	39K				5000		
754-RG2012P-3922-BT5	RG2012P-3922-B-T5	39.2K				5000		
754-RG2012P-4642-BT5	RG2012P-4642-B-T5	46.4K				5000		
754-RG2012P-4872-BT5	RG2012P-4872-B-T5	48.7K				5000		
754-RG2012P-513-BT5	RG2012P-513-B-T5	51K				5000		
754-RG2012P-5112-BT5	RG2012P-5112-B-T5	51.1K				5000		
754-RG2012P-563-BT5	RG2012P-563-B-T5	56K				5000		
754-RG2012P-623-BT5	RG2012P-623-B-T5	62K				5000		
754-RG2012P-6492-BT5	RG2012P-6492-B-T5	64.9K				5000		
754-RG2012P-683-BT5	RG2012P-683-B-T5	68K				5000		

0805 Size, 1/8 Watt (Cont.)

MOUSER STOCK NO.	Susumu Part No.	Value Ω	Price Each				Reel Qty.	Price Per Piece
			1	10	100	500		
754-RG2012P-823-BT5	RG2012P-823-B-T5	82K				5000		
754-RG2012P-912-BT5	RG2012P-912-B-T5	9.1K				5000		
754-RG2012P-1132-BT5	RG2012P-1132-B-T5	11.3K				5000		
754-RG2012P-8252-BT5	RG2012P-8252-B-T5	82.5K				5000		
754-RG2012P-913-BT5	RG2012P-913-B-T5	91K				5000		
754-RG2012P-114-BT5	RG2012P-114-B-T5	110K				5000		
754-RG2012P-1153-BT5	RG2012P-1153-B-T5	115K				5000		
754-RG2012P-1243-BT5	RG2012P-1243-B-T5	124K				5000		
754-RG2012P-1693-BT5	RG2012P-1693-B-T5	169K				5000		
754-RG2012P-1823-BT5	RG2012P-1823-B-T5	182K				5000		
754-RG2012P-1963-BT5	RG2012P-1963-B-T5	196K				5000		
754-RG2012P-244-BT5	RG2012P-244-B-T5	240K				5000		
754-RG2012P-274-BT5	RG2012P-274-B-T5	270K				5000		
754-RG2012P-364-BT5	RG2012P-364-B-T5	360K				5000		
754-RG2012P-394-BT5	RG2012P-394-B-T5	390K				5000		
754-RG2012P-434-BT5	RG2012P-434-B-T5	430K				5000		
754-RG2012P-474-BT5	RG2012P-474-B-T5	470K				5000		
754-RG2012P-564-BT5	RG2012P-564-B-T5	560K				5000		
754-RG2012P-624-BT5	RG2012P-624-B-T5	620K				5000		
754-RG2012P-684-BT5	RG2012P-684-B-T5	680K				5000		
754-RG2012P-914-BT5	RG2012P-914-B-T5	910K				5000		

1206 Size, 1/4 Watt

MOUSER STOCK NO.	Susumu Part No.	Value Ω	Price Each				Reel Qty.	Price Per Piece
			1	10	100	500		
754-RG3216P-49R9-BT5	RG3216P-49R9-B-T5	49.9				5000		
754-RG3216P-68R0-BT5	RG3216P-68R0-B-T5	68				5000		
754-RG3216P-75R0-BT5	RG3216P-75R0-B-T5	75				5000		
754-RG3216P-82R0-BT5	RG3216P-82R0-B-T5	82				5000		
754-RG3216P-91R0-BT5	RG3216P-91R0-B-T5	91				5000		
754-RG3216P-1000-BT5	RG3216P-1000-B-T5	100				5000		
754-RG3216P-1100-BT5	RG3216P-1100-B-T5	110				5000		
754-RG3216P-1200-BT5	RG3216P-1200-B-T5	120				5000		
754-RG3216P-1500-BT5	RG3216P-1500-B-T5	150				5000		
754-RG3216P-2000-BT5	RG3216P-2000-B-T5	200				5000		
754-RG3216P-2200-BT5	RG3216P-2200-B-T5	220				5000		
754-RG3216P-2400-BT5	RG3216P-2400-B-T5	240				5000		
754-RG3216P-2490-BT5	RG3216P-2490-B-T5	249				5000		
754-RG3216P-2700-BT5	RG3216P-2700-B-T5	270				5000		
754-RG3216P-4700-BT5	RG3216P-4700-B-T5	470				5000		
754-RG3216P-4990-BT5	RG3216P-4990-B-T5	499				5000		
754-RG3216P-6800-BT5	RG3216P-6800-B-T5	680				5000		
754-RG3216P-7500-BT5	RG3216P-7500-B-T5	750				5000		
754-RG3216P-8060-BT5	RG3216P-8060-B-T5	806				5000		
754-RG3216P-1001-BT5	RG3216P-1001-B-T5	1K				5000		
754-RG3216P-1601-BT5	RG3216P-1601-B-T5	1.6K				5000		
754-RG3216P-2001-BT5	RG3216P-2001-B-T5	2K				5000		
754-RG3216P-2201-BT5	RG3216P-2201-B-T5	2.2K				5000		
754-RG3216P-2401-BT5	RG3216P-2401-B-T5	2.4K				5000		
754-RG3216P-4301-BT5	RG3216P-4301-B-T5	4.3K				5000		
754-RG3216P-4701-BT5	RG3216P-4701-B-T5	4.7K				5000		
754-RG3216P-4991-BT5	RG3216P-4991-B-T5	4.99K				5000		
754-RG3216P-5101-BT5	RG3216P-5101-B-T5	5.1K				5000		
754-RG3216P-6491-BT5	RG3216P-6491-B-T5	6.49K				5000		
754-RG3216P-9101-BT5	RG3216P-9101-B-T5	9.1K				5000		
754-RG3216P-1002-BT5	RG3216P-1002-B-T5	10K				5000		
754-RG3216P-1103-BT5	RG3216P-1103-B-T5	11K				5000		
754-RG3216P-1202-BT5	RG3216P-1202-B-T5	12K				5000		
754-RG3216P-1502-BT5	RG3216P-1502-B-T5	15K				5000		

1206 Size, 1/4 Watt (Cont.)

MOUSER STOCK NO.	Susumu Part No.	Value Ω	Price Each				Reel Qty.	Price Per Piece
			1	10	100	500		
754-RG3216P-1802-BT5	RG3216P-1802-B-T5	18K				5000		
754-RG3216P-2002-BT5	RG3216P-2002-B-T5	20K				5000		
754-RG3216P-2202-BT5	RG3216P-2202-B-T5	22K				5000		
754-RG3216P-2402-BT5	RG3216P-2402-B-T5	24K				5000		
754-RG3216P-2492-BT5	RG3216P-2492-B-T5	24.9K				5000		
754-RG3216P-2702-BT5	RG3216P-2702-B-T5	27K				5000		
754-RG3216P-2742-BT5	RG3216P-2742-B-T5	27.4K				5000		
754-RG3216P-3002-BT5	RG3216P-3002-B-T5	30K				5000		
754-RG3216P-3602-BT5	RG3216P-3602-B-T5	36K				5000		
754-RG3216P-4302-BT5	RG3216P-4302-B-T5	43K				5000		
754-RG3216P-4532-BT5	RG3216P-4532-B-T5	45.3K				5000		
754-RG3216P-4702-BT5	RG3216P-4702-B-T5	47K				5000		
754-RG3216P-4992-BT5	RG3216P-4992-B-T5	49.9K				5000		
754-RG3216P-1003-BT5	RG3216P-1003-B-T5	100K				5000		
754-RG3216P-1403-BT5	RG3216P-1403-B-T5	140K				5000		
754-RG3216P-1503-BT5	RG3216P-1503-B-T5	150K				5000		
754-RG3216P-1693-BT5	RG3216P-1693-B-T5	169K				5000		
754-RG3216P-1783-BT5	RG3216P-1783-B-T5	178K				5000		
754-RG3216P-1803-BT5	RG3216P-1803-B-T5	180K				5000		
754-RG3216P-2003-BT5	RG3216P-2003-B-T5	200K				5000		
754-RG3216P-2103-BT5	RG3216P-2103-B-T5	210K				5000		
754-RG3216P-2203-BT5	RG3216P-2203-B-T5	220K				5000		
754-RG3216P-2493-BT5	RG3216P-2493-B-T5	249K				5000		
754-RG3216P-2703-BT5	RG3216P-2703-B-T5	270K				5000		
754-RG3216P-2803-BT5	RG3216P-2803-B-T5	280K				5000		
754-RG3216P-3003-BT5	RG3216P-3003-B-T5	300K				5000		
754-RG3216P-3303-BT5	RG3216P-3303-B-T5	330K				5000		
754-RG3216P-3323-BT5	RG3216P-3323-B-T5	332K				5000		
754-RG3216P-4703-BT5	RG3216P-4703-B-T5	470K				5000		
754-RG3216P-4993-BT5	RG3216P-4993-B-T5	499K				5000		
754-RG3216P-5103-BT5	RG3216P-5103-B-T5	510K				5000		
754-RG3216P-5603-BT5	RG3216P-5603-B-T5	560K				5000		
754-RG3216P-7503-BT5	RG3216P-7503-B-T5	750K				5000		
754-RG3216P-1004-BT5	RG3216P-1004-B-T5	1M				5000		

THERMO-VARIABLE CHIP ATTENUATORS

Specifications:

- Impedance: 50 Ω
- Tolerance: 0.5dB
- Frequency Range: DC to 3 GHz
- Power Rating: 63mW
- Operating Temperature Range: -40 to +100°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Susumu Part No.	Maximum Attenuation (dB)	Temp. Coeff. of Attenuation (dB/°C)	Price Each			
				1	10	25	100
754-PXV1220S-1DBN1-T	PXV1220S-1DBN1-T02	1	0.0119				
754-PXV1220S-1DBN2-T	PXV1220S-1DBN2-T02	1	0.0088				
754-PXV1220S-1DBN3-T	PXV1220S-1DBN3-T02	1	0.0062				
754-PXV1220S-2DBN1-T	PXV1220S-2DBN1-T02	2	0.0119				
754-PXV1220S-2DBN2-T	PXV1220S-2DBN2-T02	2	0.0088				
754-PXV1220S-2DBN3-T	PXV1220S-2DBN3-T02	2	0.0062				
754-PXV1220S-3DBN1-T	PXV1220S-3DBN1-T02	3	0.0119				
754-PXV1220S-3DBN2-T	PXV1220S-3DBN2-T02	3	0.0088				
754-PXV1220S-3DBN3-T	PXV1220S-3DBN3-T02	3	0.0062				
754-PXV1220S-4DBN1-T	PXV1220S-4DBN1-T02	4	0.0119				
754-PXV1220S-4DBN2-T	PXV1220S-4DBN2-T02	4	0.0088				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Susumu Part No.	Maximum Attenuation (dB)	Temp. Coeff. of Attenuation (dB/°C)	Price Each			
				1	10	25	100
754-PXV1220S-4DBN3-T	PXV1220S-4DBN3-T02	4	0.0062				
754-PXV1220S-5DBN1-T	PXV1220S-5DBN1-T02	5	0.0119				
754-PXV1220S-5DBN2-T	PXV1220S-5DBN2-T02	5	0.0088				
754-PXV1220S-5DBN3-T	PXV1220S-5DBN3-T02	5	0.0062				
754-PXV1220S-6DBN1-T	PXV1220S-6DBN1-T02	6	0.0119				
754-PXV1220S-6DBN2-T	PXV1220S-6DBN2-T02	6	0.0088				

SUSUMU Thin Film Chip Resistors

RG SERIES

Susumu's proprietary NiCr based alloy exhibits excellent TCR Characteristics as compared to other resistive materials such as tantalum nitride. Despite the belief that NiCr thin film has reliability issues, especially in humid environment, Susumu has developed technologies to apply an inorganic passivation that acts as a hermetic seal, and our ultimate thin-film resistors, RG series, far exceed thick film resistor reliability, reaching 0.01ft (=10 parts per trillion) RG series thin-film chip resistors boast high precision, near zero TCR and unprecedented reliability with all the benefits of thin film resistors!

Susumu's typical resistive thin film is 20-200nm thick whereas thick film resistors can be up to 50um thick. Moreover, thin film is deposited using molecular processes such as sputtering and plasma enhanced chemical vapor deposition, whereas thick film is made of screen printed metal particles suspended in polymer. This fundamental difference results in the clear advantage of thin film resistors in performance. Susumu's thin film resistors has better high frequency characteristics (no skin effect: resistance change due to high frequency), low noise due to the evenness of thin film, and high resistance accuracy due to precise trimming of the thin film. The RG series combines the merit of such thin film performance with robustness and reliability that exceed thick film resistors.

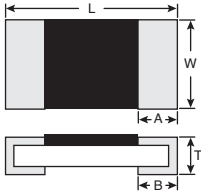
Features:

- Various standard sizes: 0402, 0603, 0805
- Operating Temperature Range: -55°C to +155°C (100% power at 85°C)
- Tolerance/TCR: 0.02%/5ppm, 0.05%/10ppm, 0.1%/25ppm

Environmental Tolerance:

- Superior reliability: less than 0.1% drift after 10000 hours of high temp. exposure (155°C) or high temp/humidity bias (85°C/85%RH)
- Can be used in 3 different power ratings (low, regular, and high) based on customer needs

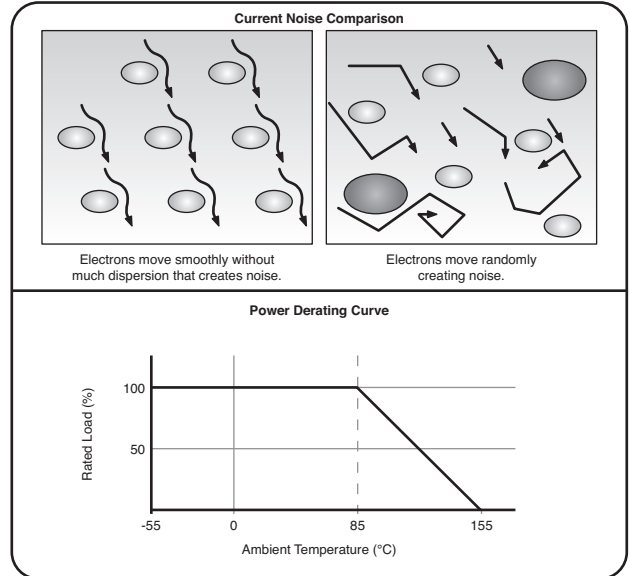
- Sulfur resistant
- High Operating temperature
- Dust/oil/chemical resistance
- Vibration resistant



DIMENSIONS: (in.)	RG1005 (0402)	RG1608 (0603)	RG2012 (0805)
L	1.0±0.05	1.6±0.2	2.0±0.2
W	0.5±0.05	0.8±0.2	1.25±0.2
A	0.2±0.10	0.3±0.2	0.4±0.2
B	0.25±0.05	0.3±0.2	0.4±0.2
T	0.35±0.05	0.4±0.1	0.4±0.1

Table 1: Power and Reliability (Reliability depends on the power rating customers choose.)

Item	Test Method	Drift Limits for Power Rating			(Typical)
		Low	Regular	High	
Short Time Overload	Applied Voltage: 2.5 rate voltage or 2max. operating voltage which ever is less test duration: 5 seconds	±0.05%	±0.05%	±0.25%	±0.01%
Load Life	Test Temperature: 85°C; Applied Voltage: rated voltage; Test Period: Repeat 1000 cycles as follows-90min./30min. off cycled	±0.1%	±0.25%	±0.5%	±0.01%
Moisture Load Life	Test Condition: 85°C 85%RH; Applied Power: 1/10 rated power; Test Period: Repeat 1000 cycles as follows- 90min./30min. off cycled	±0.05%	±0.25%	±0.5%	±0.05%
Temperature Cycle	Repeat 1000 cycles as follows- -55°C (30min./Room Temp. (2min.)/+125°C (30min./Room Temp. (2min.))	0.1%			0.1%
Hi Temp Exposure	+155°C for 1000 hours with no load	0.1%			0.1%



* Insert Value Code from Table of Stocked Values

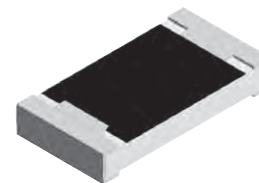
For quantities greater than listed, call for quote.

Size	MOUSER STOCK NO.			Susumu Part No.	Resistance (ohms)	Tolerance	Power Rating (See Table 1 for Reliability for Each Power Rating)			Temperature Coefficient	Price Each		
	Prefix	Value	Suffix				Low	Regular	High		1	10	100
0402	754-RG1005P-	Code -B-T5	RG1005P-Code-B-T5	49.9-100K	0.1%	0.0312W (1/32W)	0.0625W (1/16W)	0.125W (1/8W)	±25PPM/°C				
0603	754-RG1608P-	Code -B-T5	RG1608P-Code-B-T5	47-332K	0.1%	0.0625W (1/16W)	0.125W (1/8W)	0.166W (1/6W)	±25PPM/°C				
0805	754-RG2012P-	Code -B-T5	RG2012P-Code-B-T5	47-332K	0.1%	0.0625W (1/16W)	0.125W (1/8W)	0.166W (1/6W)	±25PPM/°C				
0603	754-RG1608V-	Code -P-T1	RG1608V-Code-P-T1	100-1.5K	0.02%	0.0625W (1/16W)	0.125W (1/8W)	0.166W (1/6W)	±5PPM/°C				
0805	754-RG2012V-	Code -P-T1	RG2012V-Code-P-T1	100-10K	0.02%	0.1W (1/10W)	0.125W (1/8W)	0.25W (1/4W)	±5PPM/°C				

TABLE OF STOCKED VALUES																								
Value	Value Code *	Case Size	Value	Value Code *	Case Size	Value	Value Code *	Case Size	Value	Value Code *	Case Size	Value	Value Code *	Case Size	Value	Value Code *	Case Size	Value	Value Code *	Case Size	Value	Value Code *	Case Size	
47	470	X	X	953	9530	2.61K	2611	X	7.5K	752	X	16.5K	1652	X	42.2K	4222	X	180K	184	X	X	X	X	X
49.9	49R9	X	X	1K	102	2.74K	2741	X	7.87K	7871	X	17.8K	1782	X	43.2K	4322	X	191K	1913	X	X	X	X	X
51	510	X	X	1.02K	1021	2.87K	2871	X	8.06K	8061	X	18.7K	1872	X	45.3K	4532	X	200K	204	X	X	X	X	X
75	750	X	X	1.05K	1051	3K	302	X	8.25K	8251	X	19.1K	1912	X	47K	473	X	220K	224	X	X	X	X	X
100	101	X	X	1.07K	1071	3.01K	3011	X	8.45K	8451	X	20K	203	X	47.5K	4752	X	226K	2263	X	X	X	X	X
110	111	X	X	1.1K	112	3.16K	3161	X	8.66K	8661	X	21K	2102	X	49.9K	4992	X	232K	2323	X	X	X	X	X
120	121	X	X	1.2K	122	3.24K	3241	X	8.87K	8871	X	22K	223	X	51K	513	X	240K	244	X	X	X	X	X
124	1240	X	X	1.21K	1211	3.3K	332	X	9.09K	9091	X	22.1K	2212	X	53.6K	5362	X	249K	2493	X	X	X	X	X
150	151	X	X	1.24K	1241	3.32K	3321	X	9.31K	9311	X	23.2K	2322	X	60.4K	6042	X	270K	274	X	X	X	X	X
180	181	X	X	1.3K	132	3.92K	3921	X	9.53K	9531	X	24K	243	X	66.5K	6652	X	300K	304	X	X	X	X	X
200	201	X	X	1.33K	1331	4.02K	4021	X	10K	103	X	24.3K	2432	X	68K	683	X	301K	3013	X	X	X	X	X
220	221	X	X	1.4K	1401	4.22K	4221	X	10.2K	1022	X	24.9K	2492	X	75K	753	X	330K	334	X	X	X	X	X
249	2490	X	X	1.5K	152	4.3K	432	X	10.5K	1052	X	25.5K	2552	X	76.8K	7682	X	332K	3323	X	X	X	X	X
270	271	X	X	1.54K	1541	4.32K	4321	X	10.7K	1072	X	26.1K	2612	X	80.6K	8062	X	390K	394	X	X	X	X	X
300	301	X	X	1.62K	1621	4.64K	4641	X	11K	113	X	27K	273	X	86.6K	8662	X	470K	474	X	X	X	X	X
330	331	X	X	1.65K	1651	4.7K	472	X	12K	123	X	27.4K	2742	X	88.7K	8872	X	499K	4993	X	X	X	X	X
374	3740	X	X	1.8K	182	4.75K	4751	X	12.1K	1212	X	30K	303	X	90.9K	9092	X	510K	514	X	X	X	X	X
402	4020	X	X	1.82K	1821	4.99K	4991	X	12.4K	1242	X	30.1K	3012	X	93.1K	9312	X	750K	754	X	X	X	X	X
470	471	X	X	1.91K	1911	5.1K	512	X	12.7K	1272	X	31.6K	3162	X	100K	104	X	820K	824	X	X	X	X	X
475	4750	X	X	2K	202	5.6K	562	X	13K	133	X	32.4K	3242	X	102K	1023	X	1M	105	X	X	X	X	X
499	4990	X	X	2.05K	2051	5.62K	5621	X	13.7K	1372	X	33.2K	3322	X	113K	1133	X							
510	511	X	X	2.2K	222	5.9K	5901	X	14.3K	1432	X	35.7K	3572	X	120K	124	X							
604	6040	X	X	2.32K	2321	6.04K	6041	X	14.7K	1472	X	36K	363	X	127K	1273	X							
649	6490	X	X	2.4K	242	6.19K	6191	X	15K	153	X	39K	393	X	130K	134	X							
750	751	X	X	2.49K	2491	6.2K	622	X	15.4K	1542	X	40.2K	4022	X	140K	1403	X							
820	821	X	X	2.55K	2551	7.15K	7151	X	16.2K	1622	X	41.1K	4122	X	150K	154	X							

Example of how to build part numbers:

Catalog Part No.	Vishay Part No.	Code	Value (Ω)
CRCW0201__FKED	CRCW0201100RFKED	100R	100
CRCW0201__FKED	CRCW02011K20FKED	1K20	1.2K
CRCW0603__FKEA	CRCW06031R33FKEA	1R33	1.33
CRCW2512__FKEG	CRCW25121M00FKEG	1M00	1M



CRCW SERIES - 5% THICK FILM SMD RESISTORS

Features:

- Temperature Coefficient: ±200ppm
- Cut Tape and Reels available
- Industry standard sizes

For quantities greater than listed, call for quote.

Case Size	Vishay Part No.	Value Range (Ω)	Power Rating (W)	Resistance Tolerance (%)	Operating Temperature	Price Each			Reel Qty.	Price Per Piece
						1	100	1000		
0201	CRCW0201__JNED	10-1M	1/20	5	-55°C to +155°C				10000	
0402	CRCW0402__JNED	1-10M	1/16	5	-55°C to +155°C				10000	
0603	CRCW0603__JNEA	1-10M	1/10	5	-55°C to +155°C				5000	
0805	CRCW0805__JNEA	1-10M	1/8	5	-55°C to +155°C				5000	
1206	CRCW1206__JNEA	1-10M	1/4	5	-55°C to +155°C				5000	
1210	CRCW1210__JNEA	1-10M	1/2	5	-55°C to +155°C				5000	
2010	CRCW2010__JNEF	1-10M	1/2	5	-55°C to +155°C				4000	
2512	CRCW2512__JNEG	1-10M	1	5	-55°C to +155°C				2000	

CRCW SERIES - 1% THICK FILM SMD RESISTORS

Features:

- Temperature Coefficient: ±100ppm
- Cut Tape and Reels available
- Industry standard sizes

For quantities greater than listed, call for quote.

Case Size	Vishay Part No.	Value Range (Ω)	Power Rating (W)	Resistance Tolerance (%)	Operating Temperature	Price Each			Reel Qty.	Price Per Piece
						1	100	1000		
0201	CRCW0201__FKED	10-1M	1/20	1	-55°C to +155°C				10000	
0402	CRCW0402__FKED	1-10M	1/16	1	-55°C to +155°C				10000	
0603	CRCW0603__FKEA	1-10M	1/10	1	-55°C to +155°C				5000	
0805	CRCW0805__FKEA	1-10M	1/8	1	-55°C to +155°C				5000	
1206	CRCW1206__FKEA	1-10M	1/4	1	-55°C to +155°C				5000	
1210	CRCW1210__FKEA	1-10M	1/2	1	-55°C to +155°C				5000	
2010	CRCW2010__FKEF	1-10M	1/2	1	-55°C to +155°C				4000	
2512	CRCW2512__FKEG	1-10M	1	1	-55°C to +155°C				2000	

CRCW SERIES - THICK FILM SMD ZERO OHM RESISTORS

Features:

- R_{max.}: 50 mΩ at 70°C = 1.0 amp
- Cut Tape and Reels available
- Industry standard sizes

For quantities greater than listed, call for quote.

Case Size	Vishay Part No.	Power Rating (W)	Operating Temperature	Price Each			Reel Qty.	Price Per Piece
				1	100	1000		
0201	CRCW02010000Z0ED	1/20	-55°C to +155°C				10000	
0402	CRCW04020000Z0ED	1/16	-55°C to +155°C				10000	
0603	CRCW06030000Z0EA	1/10	-55°C to +155°C				5000	
0805	CRCW08050000Z0EA	1/8	-55°C to +155°C				5000	
1206	CRCW12060000Z0EA	1/4	-55°C to +155°C				5000	
1210	CRCW12100000Z0EA	1/2	-55°C to +155°C				5000	
2010	CRCW20100000Z0EF	1/2	-55°C to +155°C				4000	
2512	CRCW25120000Z0EG	1	-55°C to +155°C				2000	

CRCW-HP SERIES - 1% THICK FILM SMD RESISTORS, HIGH POWER

Features:

- Temperature Coefficient: ±100ppm
- Cut Tape and Reels available
- Industry standard sizes



For quantities greater than listed, call for quote.

Case Size	Vishay Part No.	Value Range (Ω)	Power Rating (W)	Resistance Tolerance (%)	Operating Temperature	Price Each			Reel Qty.	Price Per Piece
						1	100	1000		
0402	CRCW0402__FKEDHP	1	1/8	1	-55°C to +155°C				10000	
0402	CRCW0402__FKEDHP	10-10M	1/8	1	-55°C to +155°C				10000	
0603	CRCW0603__FKEAHP	1-10M	1/4	1	-55°C to +155°C				5000	
0805	CRCW0805__FKEAHP	1	1/3	1	-55°C to +155°C				5000	
0805	CRCW0805__FKEAHP	10-10M	1/3	1	-55°C to +155°C				5000	
1206	CRCW1206__FKEAHP	1	1/2	1	-55°C to +155°C				5000	
1206	CRCW1206__FKEAHP	10-220, 470, 680-100K, 1M	1/2	1	-55°C to +155°C				5000	
1206	CRCW1206__FKEAHP	243, 487, 249K	1/2	1	-55°C to +155°C				5000	
1210	CRCW1210__FKEAHP	1-1.1	3/4	1	-55°C to +155°C				5000	
1210	CRCW1210__FKEAHP	5.6-1K, 1.2K-2K, 4.7K, 4.99K-10K, 15K-20K, 47K-100K, 1M	3/4	1	-55°C to +155°C				5000	
1210	CRCW1210__FKEAHP	1K, 2.2K, 4.7K, 10K, 22K, 100K-470K	3/4	1	-55°C to +155°C				5000	
2010	CRCW2010__FKEFHP	1-3.3	1	1	-55°C to +155°C				4000	
2010	CRCW2010__FKEFHP	10-100K	1	1	-55°C to +155°C				4000	
2512	CRCW2512__FKEGHP	1-33	1.5	1	-55°C to +155°C				2000	
2512	CRCW2512__FKEGHP	4.7	1.5	1	-55°C to +155°C				2000	
2512	CRCW2512__FKEGHP	10-13, 30.1-10K	1.5	1	-55°C to +155°C				2000	
2512	CRCW2512__FKEGHP	30	1.5	1	-55°C to +155°C				2000	

VISHAY/THIN FILM PAT Series Resistors



NEW AT Mouser

SMD Resistors

Vishay

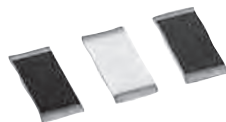
NEW AT Mouser

NEW AT Mouser

VISHAY/THIN FILM PAT SERIES - 0.1% THIN FILM WRAPAROUND SMD RESISTORS - AUTOMOTIVE GRADE

Features:

- Resistance Tolerance: 0.1%
- Operating Temperature: -55C to +150C
- Temperature Coefficient: ±25ppm
- AEC-Q200 qualified
- Cut Tape and Reels available
- Industry standard sizes



Case Size	DIMENSIONS: mm (in.)		
	L	W	T
0603	0.064 ± 0.006	0.032 ± 0.005	0.015 ± 0.003
0805	0.080 ± 0.006	0.050 ± 0.005	0.015 ± 0.003
1206	0.126 ± 0.008	0.063 ± 0.005	0.015 ± 0.003

0603 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Power Rating (mW)	Price Each			
				1	25	100	1000
71-PAT0603E24R9BST1	PAT0603E24R9BST1	24.9	150				
71-PAT0603E90R9BST1	PAT0603E90R9BST1	90.9	150				
71-PAT0603E1780BST1	PAT0603E1780BST1	178	150				
71-PAT0603E2000BST1	PAT0603E2000BST1	200	150				
71-PAT0603E2490BST1	PAT0603E2490BST1	249	150				
71-PAT0603E4000BST1	PAT0603E4000BST1	400	150				
71-PAT0603E4990BST1	PAT0603E4990BST1	499	150				
71-PAT0603E6190BST1	PAT0603E6190BST1	619	150				
71-PAT0603E9090BST1	PAT0603E9090BST1	909	150				
71-PAT0603E1001BST1	PAT0603E1001BST1	1K	150				
71-PAT0603E1501BST1	PAT0603E1501BST1	1.5K	150				
71-PAT0603E1621BST1	PAT0603E1621BST1	1.62K	150				
71-PAT0603E1781BST1	PAT0603E1781BST1	1.78K	150				
71-PAT0603E2001BST1	PAT0603E2001BST1	2K	150				
71-PAT0603E2431BST1	PAT0603E2431BST1	2.43K	150				
71-PAT0603E3011BST1	PAT0603E3011BST1	3.01K	150				
71-PAT0603E4751BST1	PAT0603E4751BST1	4.75K	150				
71-PAT0603E6121BST1	PAT0603E6121BST1	6.12K	150				
71-PAT0603E7501BST1	PAT0603E7501BST1	7.5K	150				
71-PAT0603E1002BST1	PAT0603E1002BST1	10K	150				
71-PAT0603E1152BST1	PAT0603E1152BST1	11.5K	150				
71-PAT0603E1332BST1	PAT0603E1332BST1	13.3K	150				
71-PAT0603E1472BST1	PAT0603E1472BST1	14.7K	150				
71-PAT0603E2002BST1	PAT0603E2002BST1	20K	150				
71-PAT0603E3012BST1	PAT0603E3012BST1	30.1K	150				
71-PAT0603E3162BST1	PAT0603E3162BST1	31.6K	150				
71-PAT0603E3482BST1	PAT0603E3482BST1	34.8K	150				
71-PAT0603E4002BST1	PAT0603E4002BST1	40K	150				
71-PAT0603E4422BST1	PAT0603E4422BST1	44.2K	150				
71-PAT0603E4702BST1	PAT0603E4702BST1	47K	150				
71-PAT0603E4992BST1	PAT0603E4992BST1	49.9K	150				
71-PAT0603E6042BST1	PAT0603E6042BST1	60.4K	150				
71-PAT0603E6652BST1	PAT0603E6652BST1	66.5K	150				
71-PAT0603E7502BST1	PAT0603E7502BST1	75K	150				

0805 Case Size (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Power Rating (mW)	Price Each			
				1	25	100	1000
71-PAT0805E1152BST1	PAT0805E1152BST1	11.5K	200				
71-PAT0805E1502BST1	PAT0805E1502BST1	15K	200				
71-PAT0805E1692BST1	PAT0805E1692BST1	16.9K	200				
71-PAT0805E1802BST1	PAT0805E1802BST1	18K	200				
71-PAT0805E1912BST1	PAT0805E1912BST1	19.1K	200				
71-PAT0805E2202BST1	PAT0805E2202BST1	22K	200				
71-PAT0805E2612BST1	PAT0805E2612BST1	26.1K	200				
71-PAT0805E4992BST1	PAT0805E4992BST1	49.9K	200				
71-PAT0805E5172BST1	PAT0805E5172BST1	51.7K	200				
71-PAT0805E5902BST1	PAT0805E5902BST1	59K	200				
71-PAT0805E6982BST1	PAT0805E6982BST1	69.8K	200				
71-PAT0805E8982BST1	PAT0805E8982BST1	89.8K	200				
71-PAT0805E1003BST1	PAT0805E1003BST1	100K	200				
71-PAT0805E1103BST1	PAT0805E1103BST1	110K	200				
71-PAT0805E1503BST1	PAT0805E1503BST1	150K	200				
71-PAT0805E2493BST1	PAT0805E2493BST1	249K	200				

1206 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Power Rating (mW)	Price Each			
				1	25	100	1000
71-PAT1206E10R0BST1	PAT1206E10R0BST1	10	400				
71-PAT1206E20R0BST1	PAT1206E20R0BST1	20	400				
71-PAT1206E30R1BST1	PAT1206E30R1BST1	30.1	400				
71-PAT1206E49R9BST1	PAT1206E49R9BST1	49.9	400				
71-PAT1206E4420BST1	PAT1206E4420BST1	44.2	400				
71-PAT1206E4990BST1	PAT1206E4990BST1	49.9	400				
71-PAT1206E7500BST1	PAT1206E7500BST1	750	400				
71-PAT1206E9000BST1	PAT1206E9000BST1	900	400				
71-PAT1206E9200BST1	PAT1206E9200BST1	920	400				
71-PAT1206E1001BST1	PAT1206E1001BST1	1K	400				
71-PAT1206E2001BST1	PAT1206E2001BST1	2K	400				
71-PAT1206E2491BST1	PAT1206E2491BST1	2.49K	400				
71-PAT1206E3011BST1	PAT1206E3011BST1	3.01K	400				
71-PAT1206E3651BST1	PAT1206E3651BST1	3.65K	400				
71-PAT1206E4021BST1	PAT1206E4021BST1	4.02K	400				
71-PAT1206E4991BST1	PAT1206E4991BST1	4.99K	400				
71-PAT1206E8061BST1	PAT1206E8061BST1	8.06K	400				
71-PAT1206E9091BST1	PAT1206E9091BST1	9.09K	400				
71-PAT1206E1002BST1	PAT1206E1002BST1	10K	400				
71-PAT1206E1502BST1	PAT1206E1502BST1	15K	400				
71-PAT1206E1692BST1	PAT1206E1692BST1	16.9K	400				
71-PAT1206E2002BST1	PAT1206E2002BST1	20K	400				
71-PAT1206E2742BST1	PAT1206E2742BST1	27.4K	400				
71-PAT1206E2802BST1	PAT1206E2802BST1	28K	400				
71-PAT1206E3012BST1	PAT1206E3012BST1	30.1K	400				
71-PAT1206E4222BST1	PAT1206E4222BST1	42.2K	400				
71-PAT1206E4992BST1	PAT1206E4992BST1	49.9K	400				
71-PAT1206E5052BST1	PAT1206E5052BST1	50.5K	400				
71-PAT1206E1003BST1	PAT1206E1003BST1	100K	400				
71-PAT1206E1103BST1	PAT1206E1103BST1	110K	400				
71-PAT1206E1503BST1	PAT1206E1503BST1	150K	400				
71-PAT1206E2003BST1	PAT1206E2003BST1	200K	400				
71-PAT1206E2493BST1	PAT1206E2493BST1	249K	400				
71-PAT1206E4223BST1	PAT1206E4223BST1	422K	400				
71-PAT1206E5493BST1	PAT1206E5493BST1	549K	400				
71-PAT1206E6043BST1	PAT1206E6043BST1	604K	400				

0805 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Power Rating (mW)	Price Each			
				1	25	100	1000
71-PAT0805E10R0BST1	PAT0805E10R0BST1	10	200				
71-PAT0805E25R0BST1	PAT0805E25R0BST1	25	200				
71-PAT0805E49R9BST1	PAT0805E49R9BST1	49.9	200				
71-PAT0805E1270BST1	PAT0805E1270BST1	127	200				
71-PAT0805E1500BST1	PAT0805E1500BST1	150	200				
71-PAT0805E3010BST1	PAT0805E3010BST1	301	200				
71-PAT0805E4990BST1	PAT0805E4990BST1	499	200				
71-PAT0805E1001BST1	PAT0805E1001BST1	1K	200				
71-PAT0805E1241BST1	PAT0805E1241BST1	1.24K	200				
71-PAT0805E2001BST1	PAT0805E2001BST1	2K	200				
71-PAT0805E2431BST1	PAT0805E2431BST1	2.43K	200				
71-PAT0805E3791BST1	PAT0805E3791BST1	3.79K	200				
71-PAT0805E4371BST1	PAT0805E4371BST1	4.37K	200				
71-PAT0805E4701BST1	PAT0805E4701BST1	4.7K	200				
71-PAT0805E6041BST1	PAT0805E6041BST1	6.04K	200				
71-PAT0805E6341BST1	PAT0805E6341BST1	6.34K	200				
71-PAT0805E7151BST1	PAT0805E7151BST1	7.15K	200				
71-PAT0805E1002BST1	PAT0805E1002BST1	10K	200				
71-PAT0805E1102BST1	PAT0805E1102BST1	11K	200				

VISHAY SMD Resistors



VISHAY/TECHNO CRHV SERIES - 1% THICK FILM SMD RESISTORS, HIGH VOLTAGE

Features:

- Resistance Tolerance: 1%
- Operating Temperature: -55°C to +150°C
- Termination: 3-sided wrap around
- Cut Tape and Reels available
- Industry standard sizes
- Additional sizes and values available

For quantities greater than listed, call for quote.

Case Size	Vishay Part No.	Value Range (Ω)	Power Rating (W)	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
1206	CRHV1206AF_FKE	10M - 1G	3/10 Watt				500	
2010	CRHV2010AF_FKE	10M - 33M	1/2 Watt				500	
2512	CRHV2512AF_FKE	15M - 1G	1 Watt				500	



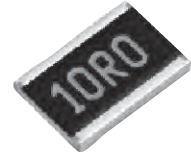
VISHAY/DRALORIC RCL e3 SERIES - 1% REVERSE GEOMETRY SMD RESISTORS

Features:

- Resistance Tolerance: 1%
- Operating Temperature: -55°C to +155°C
- Temperature Coefficient: ±100ppm
- Cut Tape and Reels available
- Industry standard sizes

For quantities greater than listed, call for quote.

Case Size	Vishay Part No.	Value Range (Ω)	Power Rating (W)	Price Each			Reel Qty.	Price Per Piece
				1	100	1000		
0612	RCL0612_JNEA	1 - 1M	1/2 Watt				5000	
1218	RCL1218_JNEK	1 - 1M	1 Watt				4000	
1225	RCL1225_JNEG	1 - 100K	2 Watt				2000	



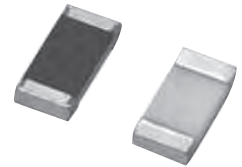
VISHAY/DALE TNPV SERIES - 0.1% THIN FILM SMD RESISTORS, AUTOMOTIVE GRADE

Features:

- Resistance Tolerance: 0.1%
- Operating Temperature: -55°C to +150°C
- Temperature Coefficient: ±10ppm
- AEC-Q200 Qualified
- Cut Tape and Reels available
- Industry standard sizes

For quantities greater than listed, call for quote.

Case Size	Vishay Part No.	Value Range (Ω)	Power Rating (W)	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
0603	TNPV0603_BZEN00	100 - 100K	1/10 Watt				1000	
0805	TNPV0805_BZEN00	100 - 332K	1/8 Watt				1000	
1206	TNPV1206_BZEN00	100 - 511K	1/4 Watt				1000	



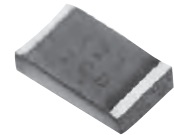
VISHAY/DALE TNPW SERIES - 0.1% THIN FILM SMD RESISTORS, AUTOMOTIVE GRADE

Features:

- Resistance Tolerance: 0.1%
- Operating Temperature: -55°C to +125°C
- Temperature Coefficient: ±25ppm
- AEC-Q200 Qualified
- Cut Tape and Reels available
- Industry standard sizes

For quantities greater than listed, call for quote.

Case Size	Value Range (Ω)	Cut Tape or 1K Reel			5K Reels				
		Vishay Part No.	1	100	1000	Vishay Part No.	5000	10000	25000
0402	274 - 100K	TNPW0402_BEED							
0603	10 - 332K	TNPW0603_BEEN				TNPW0603_BEEA			
0805	10 - 1M	TNPW0805_BEEN				TNPW0805_BEEA			
1206	10 - 2.2M	TNPW1206_BEEN				TNPW1206_BEEA			



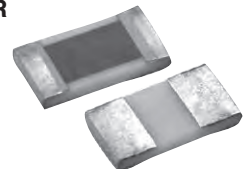
VISHAY/THIN FILM PHP SERIES - 0.1% THIN FILM WRAPAROUND SMD RESISTORS, HIGH POWER

Features:

- Resistance Tolerance: 0.1%
- Operating Temperature: -55°C to +125°C
- Temperature Coefficient: ±25ppm
- Cut Tape and Reels available
- Industry standard sizes

For quantities greater than listed, call for quote.

Case Size	Vishay Part No.	Value Range (Ω)	Power Rating (W)	Price Each			Reel Qty.	Price Per Piece
				1	10	50		
1206	PHP01206E_BST5	10 - 20K	1 Watt				500	
2512	PHP02512E_BST5	10 - 20K	2.5 Watt				500	



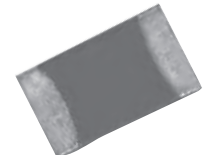
VISHAY/THIN FILM PNM SERIES - 0.1% THIN FILM WRAPAROUND SMD RESISTORS, AUTOMOTIVE GRADE

Features:

- Resistance Tolerance: 0.1%
- Operating Temperature: -55°C to +150°C
- Temperature Coefficient: ±10ppm
- AEC-Q200 Qualified
- Cut Tape and Reels available
- Industry standard sizes

For quantities greater than listed, call for quote.

Case Size	Vishay Part No.	Value Range (Ω)	Power Rating (W)	Price Each			Reel Qty.	Price Per Piece
				1	10	50		
0603	PNM0603E_BST5	2K - 50K	.150 Watt				500	
0805	PNM0805E_BST5	1K - 100K	.200 Watt				500	
1206	PNM1206E_BST5	1K - 1M	.400 Watt				500	



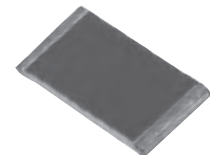
VISHAY/THIN FILM PLT SERIES - 0.05% THIN FILM WRAPAROUND SMD RESISTORS, PRECISION LOW TCR

Features:

- Resistance Tolerance: 0.05%
- Operating Temperature: -55°C to +125°C
- Temperature Coefficient: ±5ppm
- Cut Tape and Reels available
- Industry standard sizes

For quantities greater than listed, call for quote.

Case Size	Vishay Part No.	Value Range (Ω)	Power Rating (W)	Price Each			Reel Qty.	Price Per Piece
				1	10	50		
0603	PLT0603Z_AST5	250 - 25K	.150 Watt				500	
0805	PLT0805Z_AST5	500 - 50K	.250 Watt				500	
1206	PLT1206Z_AST5	500 - 100K	.400 Watt				500	



VISHAY/SFERNICE PHT SERIES - THIN FILM WRAPAROUND SMD RESISTORS, HIGH TEMPERATURE

Features:

- Resistance Tolerance: 0.1%
- Operating Temperature: -55°C to +215°C
- Temperature Coefficient: ±10-15ppm
- Cut Tape and Reels available
- Industry standard sizes

For quantities greater than listed, call for quote.

Case Size	Vishay Part No.	Value Range (Ω)	Power Rating (W)	Price Each			Reel Qty.	Price Per Piece
				1	10	50		
0603	PHT0603Y_BGT	10K	0.0125 Watt				100	
0805	PHT0805Y_BGT	100 - 500K	0.05 Watt				100	
1206	PHT1206Y_BGT	1K - 1M	0.033 Watt				100	
2010	PHT2010Y_BGT	3M	0.1 Watt				100	



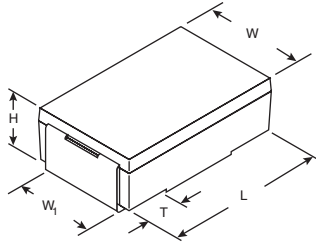
VISHAY/DALE Power Resistors



VISHAY/DALE WSC SERIES - 1/2, 1, 2, AND 3 WATT, LEAD FREE - 1% SMD W/W RESISTORS - PRECISION POWER

Features:

- Wrap around terminations
- High power ratings
- All welded construction
- Superior surge capability
- Molded encapsulation
- Tolerance 1% standard
- Available in non-inductive styles with Anyton-Perry winding (WSN in lieu of WSC)
- Cut Tape or Full Reels available



Model	DIMENSIONS: mm (in.)				
	L	H	T	W	W ₁
WSC01/2	5.08±0.508 (0.2±0.02)	2.44±0.381 (0.096±0.015)	1.02±0.254 (0.04±0.01)	3.18±0.127 (0.125±0.005)	1.27±0.254 (0.05±0.01)
WSC2515	6.35±0.508 (0.25±0.02)	2.79±0.381 (0.11±0.015)	1.14±0.254 (0.045±0.01)	3.81±0.127 (0.15±0.005)	2.49±0.127 (0.098±0.005)
WSC0002	11.3±0.813 (0.445±0.032)	4.11±0.381 (0.162±0.015)	2.54±0.254 (0.1±0.01)	6.98±0.127 (0.275±0.005)	5.46±0.127 (0.215±0.005)
WSC4527	11.56±0.508 (0.455±0.02)	4.24±0.254 (0.167±0.01)	2.54±0.254 (0.1±0.01)	6.98±0.127 (0.275±0.005)	5.46±0.127 (0.215±0.005)
WSC6927	17.53±0.813 (0.69±0.032)	7.11±0.381 (0.28±0.015)	2.54±0.254 (0.1±0.01)	6.98±0.127 (0.275±0.005)	5.46±0.381 (0.215±0.015)



RoHS Compliant



LEAD-FREE

WSC01/2 Size, 1/2 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each			
			1	100	500	1000
71-WSC01/2-1-E3	WSC01/21R000FEB	1.0				
71-WSC01/2-2-E3	WSC01/22R000FEB	2.0				

WSC4527 Size, 2 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each			
			1	100	500	1000
71-WSC4527-1-E3	WSC45271R000FEB	1.0				
71-WSC4527-2-E3	WSC45272R000FEB	2.0				
71-WSC4527-5-E3	WSC45275R000FEB	5.0				
71-WSC4527-10-E3	WSC452710R000FEB	10				
71-WSC4527-20-E3	WSC452720R000FEB	20				
71-WSC4527-50-E3	WSC452750R000FEB	50				
71-WSC4527-100-E3	WSC4527100R000FEB	100				
71-WSC4527-400-E3	WSC4527400R000FEB	400				
71-WSC4527-1K-E3	WSC45271K000FEB	1K				
71-WSC4527-2K-E3	WSC45272K000FEB	2K				

WSC2515 Size, 1 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each			
			1	100	500	1000
71-WSC2515-0.5-E3	WSC2515R5000FEB	0.5				
71-WSC2515-1-E3	WSC25151R000FEB	1.0				
71-WSC2515-2-E3	WSC25152R000FEB	2.0				
71-WSC2515-5-E3	WSC25155R000FEB	5.0				
71-WSC2515-10-E3	WSC251510R000FEB	10				
71-WSC2515-50-E3	WSC251550R000FEB	50				
71-WSC2515-100-E3	WSC2515100R000FEB	100				

WSC6927 Size, 3 Watt

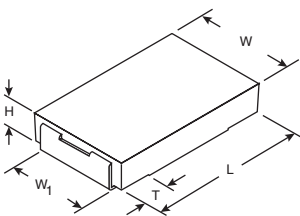
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each			
			1	100	500	1000
71-WSC6927-0.5-E3	WSC6927R5000FEA	0.5				
71-WSC6927-1-E3	WSC69271R000FEA	1.0				
71-WSC6927-10-E3	WSC692710R000FEA	10				
71-WSC6927-1K-E3	WSC69271K000FEA	1K				

VISHAY/DALE 4527 - WSR SERIES, 2 WATT, 3 WATT AND 5 WATT - 1% SMD POWER METAL STRIP® RESISTORS - LOW VALUE

Features:

- Ideal for current sensing, voltage division and pulse applications including switching, linear power supplies, and power amplifiers
- Molded high temperature encapsulation
- Very low inductance 0.5nH to 5nH
- Proprietary technique produces extremely low resistance values
- Excellent frequency response
- Low thermal EMF
- Tolerance 1% standard
- Case size: 4527
- Cut Tape or Full Reels available



LEAD-FREE



RoHS Compliant

Model	Power Rating @ 70°	DIMENSIONS: mm (in.)				
		L	H	T	W	W ₁
WSR2	2Watt	11.56±0.813 (0.455±0.032)	2.41±0.127 (0.095±0.005)	2.54±0.254 (0.1±0.01)	6.98±0.127 (0.275±0.005)	5.46±0.127 (0.215±0.005)
WSR3	3Watt					
WSR5	5Watt					

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each			
			1	100	500	1000
2 Watt						
71-WSR25L000FEA	WSR25L000FEA	.005				
71-WSR27L000FEA	WSR27L000FEA	.007				
71-WSR2R0100FEA	WSR2R0100FEA	.01				
71-WSR2R0150FEA	WSR2R0150FEA	.015				
71-WSR2R0200FEA	WSR2R0200FEA	.02				
71-WSR2R0250FEA	WSR2R0250FEA	.025				
71-WSR2R0330FEA	WSR2R0330FEA	.033				
71-WSR2R1000FEA	WSR2R1000FEA	.10				
71-WSR2R2000FEA	WSR2R2000FEA	.20				
71-WSR2R5000FEA	WSR2R5000FEA	.50				
71-WSR2R7500FEA	WSR2R7500FEA	.75				
71-WSR21R000FEA	WSR21R000FEA	1.00				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each			
			1	100	500	1000
3 Watt						
71-WSR3R0100FEA	WSR3R0100FEA	.01				
71-WSR3R0200FEA	WSR3R0200FEA	.02				
71-WSR3R1000FEA	WSR3R1000FEA	.10				
71-WSR3R2000FEA	WSR3R2000FEA	.20				
5 Watt						
71-WSR5R0100FEA	WSR5R0100FEA	0.01				
71-WSR5R0150FEA	WSR5R0150FEA	0.015				
71-WSR5R0200FEA	WSR5R0200FEA	0.02				
71-WSR5R0470FEA	WSR5R0470FEA	0.047				
71-WSR5R0500FEA	WSR5R0500FEA	0.05				
71-WSR5R1000FEA	WSR5R1000FEA	0.1				
71-WSR5R1500FEA	WSR5R1500FEA	0.15				
71-WSR5R2000FEA	WSR5R2000FEA	0.25				
71-WSR5R3000FEA	WSR5R3000FEA	0.3				

VISHAY SMD Resistors



VISHAY/TECHNO CRHV SERIES - HIGH VOLTAGE THICK FILM CHIP RESISTORS

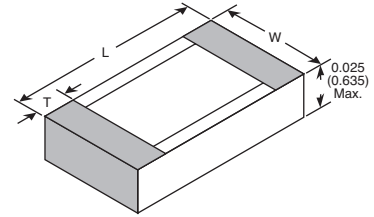
Features:

- High voltage up to 3000V
- Outstanding stability < 0.5%
- Flow solderable
- Automatic placement capability
- Suitable for solderable, epoxy bondable or wire bondable applications



RoHS Compliant

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Tolerance	PPM	Price Each			
					1	50	100	250
71-CRHV1206AF10M0FKE	CRHV1206AF10M0FKET	10M	1%	100				
71-CRHV1206AF15M0JKE	CRHV1206AF15M0JKET	15M	5%	100				
71-CRHV1206AF20M0FKE	CRHV1206AF20M0FKET	20M	1%	100				
71-CRHV1206AF50M0FNE	CRHV1206AF50M0FNET	50M	1%	200				
71-CRHV1206AF51M0FKE	CRHV1206AF51M0FKET	51M	1%	100				
71-CRHV1206AF80M0FKE	CRHV1206AF80M0FKET	80M	1%	100				
71-CRHV1206AF82M0JNE	CRHV1206AF82M0JNET	82M	5%	200				
71-CRHV1206AF100M0FKE	CRHV1206AF100M0FKET	100M	1%	100				
71-CRHV1206AF200M0JNE	CRHV1206AF200M0JNET	200M	5%	200				
71-CRHV1206AF400M0JNE	CRHV1206AF400M0JNET	400M	5%	200				
71-CRHV1206AF1G00FKE	CRHV1206AF1G00FKET	1G	1%	100				
71-CRHV2010AF10M0FKE	CRHV2010AF10M0FKET	10M	1%	100				
71-CRHV2010AF12M0FKE	CRHV2010AF12M0FKET	12M	1%	100				
71-CRHV2010AF20M0FKE	CRHV2010AF20M0FKET	20M	1%	100				
71-CRHV2010AF30M0FKE	CRHV2010AF30M0FKET	30M	1%	100				
71-CRHV2010AF33M0FKE	CRHV2010AF33M0FKET	33M	1%	100				
71-CRHV2010AF1G00JNE	CRHV2010AF1G00JNET	1G	1%	200				
71-CRHV2512AF12M0FKE	CRHV2512AF12M0FKET	12M	1%	100				
71-CRHV2512AF15M0FKE	CRHV2512AF15M0FKET	15M	1%	100				
71-CRHV2512AF27M0FKE	CRHV2512AF27M0FKET	27M	1%	100				
71-CRHV2512AF33M0FKE	CRHV2512AF33M0FKET	33M	1%	100				
71-CRHV2512AF50M0FKE	CRHV2512AF50M0FKET	50M	1%	100				
71-CRHV2512AF51M0FKE	CRHV2512AF51M0FKET	51M	1%	100				
71-CRHV2512AF100M0FKE	CRHV2512AF100M0FKET	100M	1%	100				
71-CRHV2512AF500M0FKE	CRHV2512AF500M0FKET	500M	1%	100				
71-CRHV2512AF1G00FKE	CRHV2512AF1G00FKET	1G	1%	100				



Case Size	DIMENSIONS: in. (mm)		
	Length (L) ±0.006 (0.152)	Width (W) ±0.006 (0.152)	Thickness (T) ±0.002 (0.051)
1206	0.125	0.063	0.025
2010	0.200	0.100	0.025
2512	0.250	0.126	0.025

Vishay SMD Resistors

VISHAY/THIN FILM FC SERIES - HIGH FREQUENCY UP TO 20GHZ CHIP RESISTORS

Features:

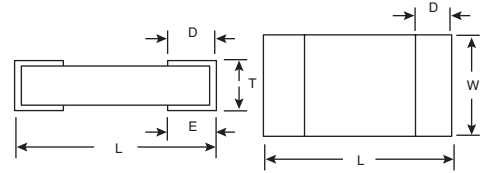
- Excellent frequency response to 30GHz
- Edge trimmed block resistors
- Alumina substrate high purity (99.6%)
- Tolerance 0.1%
- Ohmic range (10Ω - 1000Ω are available for quote)
- Termination solder, ribbon or wire bondable
- TCR 25ppm/°C

Applications:

- Low noise amplifiers
- Attenuation
- Line termination applications in fixed telecom and military/aero space system
- Precision voltage dividers
- High speed routers



LEAD-FREE RoHS Compliant



MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Power Rating Watts	Chip Termination	Price Each			
					1	25	50	100
71-FC0402E50R0BTBWS	FC0402E50R0BTBWS	50	50mW	Flip Chip				
71-FC0402E50R0BSWS	FC0402E50R0BSWS	50	50mW	Wrap				
71-FC0402E1000BBWS	FC0402E1000BBWS	100	50mW	Wrap				
71-FC0402E1000BTBWS	FC0402E1000BTBWS	100	50mW	Flip Chip				
71-FC0603E50R0BTBWS	FC0603E50R0BTBWS	50	125mW	Flip Chip				
71-FC0603E50R0BSWS	FC0603E50R0BSWS	50	125mW	Wrap				
71-FC0603E1000BSWS	FC0603E1000BSWS	100	125mW	Wrap				
71-FC0603E1000BTBWS	FC0603E1000BTBWS	100	125mW	Flip Chip				

Case Size	DIMENSIONS: in. (mm)				
	Length	Width W (±0.005)	Thickness	Top Pad D (±0.005)	Bottom Pad E (±0.005)
0402	0.040±0.003 (1.016±0.076)	0.020 (0.508)	0.015 (0.381)	0.012 (0.305)	0.015 (0.381)
0603	0.064±0.006 (1.626±0.153)	0.032 (0.813)	0.015 (0.381)	0.012 (0.305)	0.015 (0.381)

VISHAY/SFERNICE P SERIES - HIGH PRECISION WRAPAROUND THIN FILM CHIP RESISTORS

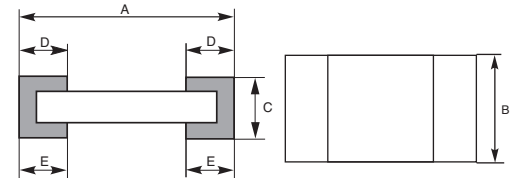
Features:

- Load Life Stability at ±70°C for 2000 hours: .1% under Pn/.05% under Pd
- Low Temperature Coefficient: ±10ppm/°C
- Very Low Noise <35dB and Voltage Coefficient <.01ppm/V
- Resistance Range: 10Ω to 50MΩ depending on size

- Tolerances to ±.1%
- In Lot Tracking ±5ppm/°C
- Termination: tin/silver (tin/lead available)
- Short Circuits (Jumpers) r<50mR, l<2A



RoHS Compliant



MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Power Rating		Limiting Element Voltage (V)	Price Each			
			Pn	Pd		1	25	50	100
71-P0603Y1001BN	P0603Y1001BN	1K	125	50	50				
71-P0603Y2001BN	P0603Y2001BN	2K	125	50	50				
71-P0603Y1002BN	P0603Y1002BN	10K	125	50	50				
71-P0603Y1003BN	P0603Y1003BN	100K	125	50	50				
71-P0805Y1001BN	P0805Y1001BN	1K	200	100	50				
71-P0805Y2001BN	P0805Y2001BN	2K	200	100	50				
71-P0805Y1002BN	P0805Y1002BN	10K	200	100	50				
71-P0805Y1003BN	P0805Y1003BN	100K	200	100	50				
71-P1206Y1001BN	P1206Y1001BN	1K	330	150	75				
71-P1206Y1002BN	P1206Y1002BN	10K	330	150	75				
71-P1206Y2002BN	P1206Y2002BN	20K	330	150	75				
71-P1206Y1003BN	P1206Y1003BN	100K	330	150	75				
71-P1206Y1004BN	P1206Y1004BN	1M	330	150	75				

Case Size	DIMENSIONS: mm (in.)			
	A Tot. ±152 (.006)	B Tot. ±127 (.005)	C Tot. ±127 (.005)	D/E Tot. ±13 (.005)
0603	1.52 (.06)	.75 (.03)	.5 (.02)	.38 (.015)
0805	1.91 (.075)	1.27 (.05)	.5 (.02)	.38 (.015)
1206	3.06 (1.20)	1.60 (.063)	.5 (.02)	.38 (.015)

VISHAY/SFERNICE CH SERIES - THIN FILM MICROWAVE RESISTORS

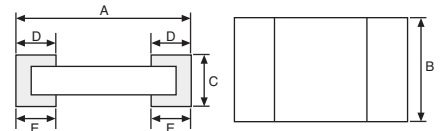
Features:

- Small size, down to 20 by 16mils available
- Edged trimmed block resistors
- Pure alumina substrate (99.5%)
- Small internal reactance (LC down to 1x10-24@20GHz)

- Tolerance: 1%, 2%, 5%, 10% available
- TCR: 100 ppm/°C in (-55°C, +155°C) temperature range
- Ohmic Range: 10Ω to 500Ω



RoHS Compliant



MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Power Rating Pn (mW)	Limiting Element Voltage (V)	Price Each			
					1	25	50	100
71-CH0402-10RJN	CH0402-10RJN	10	50	37				
71-CH0402-50RJN	CH0402-50RJN	50	50	37				
71-CH0402-100RJN	CH0402-100RJN	100	50	37				
71-CH0402-250RJN	CH0402-250RJN	250	50	37				
71-CH0603-50RJN	CH0603-50RJN	50	125	50				
71-CH0603-75RJN	CH0603-75RJN	75	125	50				
71-CH0603-100RJN	CH0603-100RJN	100	125	50				
71-CH0603-250RJN	CH0603-250RJN	250	125	50				

Case Size	DIMENSIONS: mm (in.)			
	A Tot. ±1 (.004)	B Tot. ±1 (.004)	C Tot. ±127 (.005)	D/E Tot. ±13 (.005)
0402	1 (.04)	.6 (.023)	.5 (.02)	.38 (.015)
0603	1.52 (.06)	.75 (.03)	.5 (.02)	.38 (.015)

WELWYN SMD Resistors



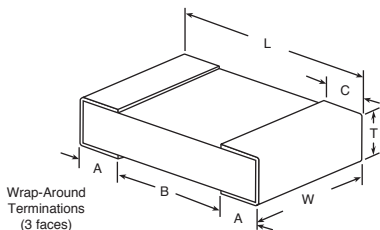
WELWYN PWC SERIES PULSE RESISTORS

Features:

- Excellent pulse withstand performance
- Improved working voltage
- Improved power rating



RoHS Compliant



2010 Case Size, 0.75 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (Ω)	Tol. %	Price Each			Reel Qty.	Price Per Piece
				1	100	500		
756-PWC2010-10RJ	PWC2010-10RJ	10	5				3000	
756-PWC2010-15RJ	PWC2010-15RJ	15	5				3000	
756-PWC2010-22RJ	PWC2010-22RJ	22	5				3000	
756-PWC2010-33RJ	PWC2010-33RJ	33	5				3000	
756-PWC2010-47RJ	PWC2010-47RJ	47	5				3000	
756-PWC2010-68RJ	PWC2010-68RJ	68	5				3000	
756-PWC2010-100RJ	PWC2010-100RJ	100	5				3000	
756-PWC2010-150RJ	PWC2010-150RJ	150	5				3000	
756-PWC2010-220RJ	PWC2010-220RJ	220	5				3000	
756-PWC2010-470RJ	PWC2010-470RJ	470	5				3000	
756-PWC2010-680RJ	PWC2010-680RJ	680	5				3000	
756-PWC2010-1K0J	PWC2010-1K0J	1K	5				3000	
756-PWC2010-1K5J	PWC2010-1K5J	1.5K	5				3000	
756-PWC2010-4K7J	PWC2010-4K7J	4.7K	5				3000	
756-PWC2010-6K8J	PWC2010-6K8J	6.8K	5				3000	
756-PWC2010-10KJ	PWC2010-10KJ	10	5				3000	
756-PWC2010-22KJ	PWC2010-22KJ	22K	5				3000	
756-PWC2010-33KJ	PWC2010-33KJ	33K	5				3000	
756-PWC2010-47KJ	PWC2010-47KJ	47K	5				3000	
756-PWC2010-100KJ	PWC2010-100KJ	100K	5				3000	

DIMENSIONS: mm							Weight (g)
Case Size	L	W	T Max.	A	B Min.	C	
2010	5.1±0.3	2.5±0.2	0.8	0.6±0.3	3.0	0.6±0.25	0.036
2512	6.5±0.3	3.2±0.2	0.8	0.6±0.3	4.4	0.6±0.25	0.055

2512 Case Size, 1.5 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (Ω)	Tol. %	Price Each			Reel Qty.	Price Per Piece
				1	100	450		
756-PWC2512-10RJ	PWC2512-10RJ	10	5				1800	
756-PWC2512-15RJ	PWC2512-15RJ	15	5				1800	
756-PWC2512-22RJ	PWC2512-22RJ	22	5				1800	
756-PWC2512-33RJ	PWC2512-33RJ	33	5				1800	
756-PWC2512-47RJ	PWC2512-47RJ	47	5				1800	
756-PWC2512-68RJ	PWC2512-68RJ	68	5				1800	
756-PWC2512-100RJ	PWC2512-100RJ	100	5				1800	
756-PWC2512-150RJ	PWC2512-150RJ	150	5				1800	
756-PWC2512-220RJ	PWC2512-220RJ	220	5				1800	
756-PWC2512-330RJ	PWC2512-330RJ	330	5				1800	
756-PWC2512-470RJ	PWC2512-470RJ	470	5				1800	
756-PWC2512-680RJ	PWC2512-680RJ	680	5				1800	
756-PWC2512-1K0J	PWC2512-1K0J	1K	5				1800	
756-PWC2512-1K5J	PWC2512-1K5J	1.5K	5				1800	
756-PWC2512-2K2J	PWC2512-2K2J	2.2K	5				1800	
756-PWC2512-3K3J	PWC2512-3K3J	3.3K	5				1800	
756-PWC2512-4K7J	PWC2512-4K7J	4.7K	5				1800	
756-PWC2512-6K8J	PWC2512-6K8J	6.8K	5				1800	
756-PWC2512-10KJ	PWC2512-10KJ	10	5				1800	
756-PWC2512-15KJ	PWC2512-15KJ	15K	5				1800	
756-PWC2512-22KJ	PWC2512-22KJ	22K	5				1800	
756-PWC2512-33KJ	PWC2512-33KJ	33K	5				1800	
756-PWC2512-47KJ	PWC2512-47KJ	47K	5				1800	
756-PWC2512-68KJ	PWC2512-68KJ	68K	5				1800	
756-PWC2512-100KJ	PWC2512-100KJ	100K	5				1800	

SMD Resistors

Welwyn

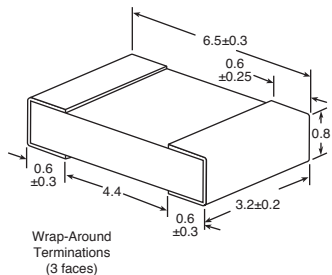
WELWYN DSC SERIES DOUBLE-SIDED CHIP RESISTORS

Features:

- Two parallel resistance elements in a single chip
- Excellent pulse withstand performance
- Laser trimmed up to 0.5% tolerance
- Enhanced working voltage
- Enhanced power rating
- Weight (g): 0.055



RoHS Compliant



2512 Case Size, 1.5 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (Ω)	Tol. %	Price Each			Reel Qty.	Price Per Piece
				1	100	450		
756-DSC2512-10RJT18	DSC2512-10RJT18	10	5				1800	
756-DSC2512-15RJT18	DSC2512-15RJT18	15	5				1800	
756-DSC2512-22RJT18	DSC2512-22RJT18	22	5				1800	
756-DSC2512-33RJT18	DSC2512-33RJT18	33	5				1800	
756-DSC2512-47RJT18	DSC2512-47RJT18	47	5				1800	
756-DSC2512-68RJT18	DSC2512-68RJT18	68	5				1800	
756-DSC2512-100RJT18	DSC2512-100RJT18	100	5				1800	
756-DSC2512-150RJT18	DSC2512-150RJT18	150	5				1800	
756-DSC2512-220RJT18	DSC2512-220RJT18	220	5				1800	
756-DSC2512-330RJT18	DSC2512-330RJT18	330	5				1800	
756-DSC2512-470RJT18	DSC2512-470RJT18	470	5				1800	
756-DSC2512-680RJT18	DSC2512-680RJT18	680	5				1800	
756-DSC2512-1K0JT18	DSC2512-1K0JT18	1K	5				1800	
756-DSC2512-1K5JT18	DSC2512-1K5JT18	1.5K	5				1800	
756-DSC2512-4K7JT18	DSC2512-4K7JT18	4.7K	5				1800	
756-DSC2512-6K8JT18	DSC2512-6K8JT18	6.8K	5				1800	
756-DSC2512-10KJT18	DSC2512-10KJT18	10K	5				1800	
756-DSC2512-15KJT18	DSC2512-15KJT18	15K	5				1800	
756-DSC2512-22KJT18	DSC2512-22KJT18	22K	5				1800	
756-DSC2512-33KJT18	DSC2512-33KJT18	33K	5				1800	
756-DSC2512-47KJT18	DSC2512-47KJT18	47K	5				1800	
756-DSC2512-68KJT18	DSC2512-68KJT18	68K	5				1800	
756-DSC2512-100KJT18	DSC2512-100KJT18	100K	5				1800	

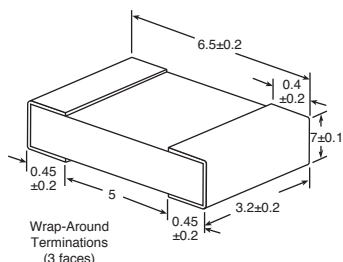
WELWYN HVC SERIES HIGH VOLTAGE CHIPS

Features:

- Continuous voltages up to 3kV
- Overload voltages up to 4kV
- Values up to 100M
- Robust thick film construction
- Weight (g): 0.055



RoHS Compliant



2512 Case Size, 1 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (Ω)	Tol. %	Price Each			Reel Qty.	Price Per Piece
				1	100	450		
756-HVC2512-100KFT18	HVC2512-100KFT18	100K	1				1800	
756-HVC2512-150KFT18	HVC2512-150KFT18	150K	1				1800	
756-HVC2512-220KFT18	HVC2512-220KFT18	220K	1				1800	
756-HVC2512-330KFT18	HVC2512-330KFT18	330K	1				1800	
756-HVC2512-470KFT18	HVC2512-470KFT18	470K	1				1800	
756-HVC2512-680KFT18	HVC2512-680KFT18	680K	1				1800	
756-HVC2512-1M0FT18	HVC2512-1M0FT18	1M	1				1800	
756-HVC2512-2M0FT18	HVC2512-2M0FT18	2M	1				1800	
756-HVC2512-3M0FT18	HVC2512-3M0FT18	3M	1				1800	
756-HVC2512-4M0FT18	HVC2512-4M0FT18	4M	1				1800	
756-HVC2512-6M0T18	HVC2512-6M0T18	6M	1				1800	
756-HVC2512-8M0FT18	HVC2512-8M0FT18	8M	1				1800	
756-HVC2512-10MFT18	HVC2512-10MFT18	10M	1				1800	
756-HVC2512-30MJT18	HVC2512-30MJT18	30M	5				1800	
756-HVC2512-40MJT18	HVC2512-40MJT18	40M	5				1800	
756-HVC2512-100MFT18	HVC2512-100MFT18	100M	5				1800	

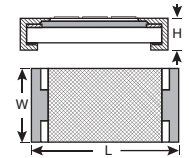
YAGEO Surface Mount Chip Resistors



AC SERIES THICK FILM CHIP RESISTORS AUTOMOTIVE GRADE

- Features:**
- Superior Resistance against sulfur containing atmosphere
 - High component and equipment reliability
 - Halogen free epoxy

- Applications:**
- All general purpose applications
 - Car electronics, industrial application



DIMENSIONS:			
Type	L (mm)	W (mm)	H (mm)
AC0402	1.00 ± 0.05	0.50 ± 0.05	0.32 ± 0.05
AC0603	1.60 ± 0.10	0.80 ± 0.10	0.45 ± 0.10
AC0805	2.00 ± 0.10	1.25 ± 0.10	0.50 ± 0.10
AC1206	3.10 ± 0.10	1.60 ± 0.10	0.55 ± 0.10

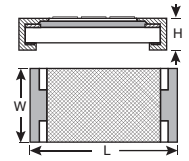
MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	Tol. %	Price Each			
				1	50	100	1000
0402 Size, 1/16 Watt							
603-AC0402FR-0743RL	AC0402FR-0743RL	43	1				
603-AC0402FR-071KL	AC0402FR-071KL	1K	1				
603-AC0402JR-074K7L	AC0402JR-074K7L	4.7K	5				
603-AC0402JR-076K8L	AC0402JR-076K8L	6.8K	5				
603-AC0402JR-0715KL	AC0402JR-0715KL	15K	5				
603-AC0402JR-0733KL	AC0402JR-0733KL	33K	5				
603-AC0402FR-0739K2L	AC0402FR-0739K2L	39.2K	1				
603-AC0402FR-07180KL	AC0402FR-07180KL	180K	1				
603-AC0402FR-07220KL	AC0402FR-07220KL	220K	1				
603-AC0402FR-07270KL	AC0402FR-07270KL	270K	1				
603-AC0402JR-070RL	AC0402JR-070RL	0	5				
603-AC0402FR-07360KL	AC0402FR-07360KL	360K	1				
0603 Size, 1/10 Watt							
603-AC0603FR-0710RL	AC0603FR-0710RL	10	1				
603-AC0603FR-0747RL	AC0603FR-0747RL	47	1				
603-AC0603FR-0749K9L	AC0603FR-0749K9L	49.9	1				
603-AC0603FR-07470RL	AC0603FR-07470RL	470	1				
603-AC0603JR-07680RL	AC0603JR-07680RL	680	5				
603-AC0603FR-071KL	AC0603FR-071KL	1K	1				
603-AC0603FR-071K5L	AC0603FR-071K5L	1.5K	1				
603-AC0603FR-071K8L	AC0603FR-071K8L	1.8K	1				
603-AC0603FR-072K2L	AC0603FR-072K2L	2.2K	1				
603-AC0603FR-0710KL	AC0603FR-0710KL	10K	1				
603-AC0603FR-0710KL	AC0603FR-0710KL	10K	1				
603-AC0603JR-0710KL	AC0603JR-0710KL	10K	5				
603-AC0603JR-0715KL	AC0603JR-0715KL	15K	5				
603-AC0603FR-0722KL	AC0603FR-0722KL	22K	1				

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	Tol. %	Price Each			
				1	50	100	1000
0603 Size, 1/10 Watt (Cont.)							
603-AC0603FR-07100KL	AC0603FR-07100KL	100K	1				
603-AC0603JR-07100KL	AC0603JR-07100KL	100K	5				
603-AC0603FR-07130KL	AC0603FR-07130KL	130K	1				
603-AC0603FR-07180KL	AC0603FR-07180KL	180K	1				
603-AC0603FR-07324KL	AC0603FR-07324KL	324K	1				
603-AC0603FR-07560KL	AC0603FR-07560KL	560K	1				
603-AC0603FR-071ML	AC0603FR-071ML	1M	1				
603-AC0603JR-071ML	AC0603JR-071ML	1M	5				
603-AC0603FR-070RL	AC0603FR-070RL	0	1				
603-AC0603JR-070RL	AC0603JR-070RL	0	5				
0805 Size, 1/8 Watt							
603-AC0805JR-071R8L	AC0805JR-071R8L	1.8	5				
603-AC0805JR-07150RL	AC0805JR-07150RL	150	5				
603-AC0805JR-075K1L	AC0805JR-075K1L	5.1K	5				
603-AC0805FR-0710KL	AC0805FR-0710KL	10K	5				
1206 Size, 1/4 Watt							
603-AC1206FR-0710RL	AC1206FR-0710RL	10	1				
603-AC1206FR-0760R4L	AC1206FR-0760R4L	60.4	1				
603-AC1206FR-07150RL	AC1206FR-07150RL	150	1				
603-AC1206JR-07560RL	AC1206JR-07560RL	560	5				
603-AC1206JR-071K8L	AC1206JR-071K8L	1.8K	5				
603-AC1206JR-072K7L	AC1206JR-072K7L	2.7K	5				
603-AC1206JR-073KL	AC1206JR-073KL	3K	5				
603-AC1206FR-0751KL	AC1206FR-0751KL	51K	1				
603-AC1206FR-07100KL	AC1206FR-07100KL	100K	1				
603-AC1206JR-070RL	AC1206JR-070RL	0	5				

AF SERIES ANTI-SULFURATED CHIP RESISTORS

- Features:**
- Reduces environmentally hazardous waste
 - High component and equipment reliability
 - Halogen free product and production

- Applications:**
- Environments exposed to high levels of contamination such as industrial control systems
 - Car electronics, sensors, electric instrumentation



DIMENSIONS:			
Type	L (mm)	W (mm)	H (mm)
AF0603	1.60 ± 0.10	0.80 ± 0.10	0.45 ± 0.10
AF0805	2.00 ± 0.10	1.25 ± 0.10	0.50 ± 0.10
AF1206	3.10 ± 0.10	1.60 ± 0.10	0.55 ± 0.10

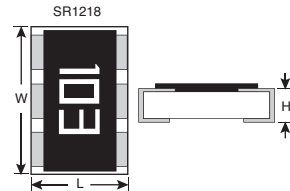
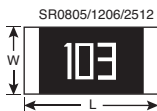
MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	Tol. %	Price Each			
				1	50	100	1000
0603 Size, 1/10 Watt							
603-AF0603FR-0720RL	AF0603FR-0720RL	20	1				
603-AF0603FR-0756RL	AF0603FR-0756RL	56	1				
603-AF0603FR-07100RL	AF0603FR-07100RL	100	1				
603-AF0603FR-07130RL	AF0603FR-07130RL	130	1				
603-AF0603FR-07330RL	AF0603FR-07330RL	330	1				
603-AF0603FR-07332RL	AF0603FR-07332RL	332	1				
603-AF0603FR-07470RL	AF0603FR-07470RL	470	1				
603-AF0603FR-07820RL	AF0603FR-07820RL	820	1				
603-AF0603FR-072K2L	AF0603FR-072K2L	2.2K	1				
603-AF0603FR-073K9L	AF0603FR-073K9L	3.9K	1				
603-AF0603FR-074K32L	AF0603FR-074K32L	4.32K	1				
603-AF0603FR-075K6L	AF0603FR-075K6L	5.6K	1				
603-AF0603FR-076K8L	AF0603FR-076K8L	6.8K	1				
603-AF0603FR-0710KL	AF0603FR-0710KL	10K	1				
603-AF0603FR-0712KL	AF0603FR-0712KL	12K	1				
603-AF0603FR-0718KL	AF0603FR-0718KL	18K	1				
603-AF0603FR-0722KL	AF0603FR-0722KL	22K	1				

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	Tol. %	Price Each			
				1	50	100	1000
0603 Size, 1/10 Watt (Cont.)							
603-AF0603FR-0733KL	AF0603FR-0733KL	33K	1				
603-AF0603FR-0747KL	AF0603FR-0747KL	47K	1				
603-AF0603FR-0768KL	AF0603FR-0768KL	68K	1				
603-AF0603FR-07120KL	AF0603FR-07120KL	120K	1				
603-AF0603FR-07127KL	AF0603FR-07127KL	127K	1				
603-AF0603FR-07180KL	AF0603FR-07180KL	180K	1				
603-AF0603FR-07330KL	AF0603FR-07330KL	330K	1				
603-AF0603FR-07390KL	AF0603FR-07390KL	390K	1				
603-AF0603FR-071ML	AF0603FR-071ML	1M	1				
603-AF0603FR-071ML	AF0603FR-071ML	1M	1				
0805 Size, 1/8 Watt							
603-AF0805FR-07100RL	AF0805FR-07100RL	100	1				
603-AF0805FR-073K3L	AF0805FR-073K3L	3.3K	1				
1206 Size, 1/4 Watt							
603-AF1206FR-0782RL	AF1206FR-0782RL	82	1				
603-AF1206FR-07680RL	AF1206FR-07680RL	680	1				

SR SERIES SURGE CHIP RESISTORS

- Features:**
- Superior to SR series in pulse withstanding voltage and surge withstanding voltage

- Applications:**
- Telecommunications
 - Power supplies



DIMENSIONS:			
Type	L (mm)	W (mm)	H (mm)
SR0805	2.00 ± 0.10	1.25 ± 0.10	0.50 ± 0.10
SR1206	3.10 ± 0.10	1.60 ± 0.10	0.55 ± 0.10
SR1218	3.10 ± 0.10	4.60 ± 0.10	0.55 ± 0.10
SR2512	6.35 ± 0.10	3.10 ± 0.15	0.55 ± 0.10

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	Tol. %	Price Each			
				1	50	100	1000
0805 Size, 1/8 Watt							
603-SR0805JR-0710KL	SR0805JR-0710KL	10K	5				
1206 Size, 1/4 Watt							
603-SR1206JR-072R2L	SR1206JR-072R2L	2.2	5				
603-SR1206JR-073R3L	SR1206JR-073R3L	3.3	5				
603-SR1206JR-073R9L	SR1206JR-073R9L	3.9	5				
603-SR1206JR-074R7L	SR1206JR-074R7L	4.7	5				
603-SR1206JR-0710RL	SR1206JR-0710RL	10	5				
603-SR1206JR-0712RL	SR1206JR-0712RL	12	5				
603-SR1206JR-0715RL	SR1206JR-0715RL	15	5				
603-SR1206JR-0722RL	SR1206JR-0722RL	22	5				
603-SR1206JR-0727RL	SR1206JR-0727RL	27	5				
603-SR1206JR-0733RL	SR1206JR-0733RL	33	5				
603-SR1206JR-0736RL	SR1206JR-0736RL	36	5				
603-SR1206JR-0747RL	SR1206JR-0747RL	47	5				
603-SR1206JR-0756RL	SR1206JR-0756RL	56	5				
603-SR1206JR-076R8L	SR1206JR-076R8L	76.8	5				

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	Tol. %	Price Each			
				1	50	100	1000
1206 Size, 1/4 Watt (Cont.)							
603-SR1206JR-07100RL	SR1206JR-07100RL	100	5				
603-SR1206JR-07150RL	SR1206JR-07150RL	150	5				
603-SR1206JR-0768RL	SR1206JR-0768RL	768	5				
603-SR1206JR-0782RL	SR1206JR-0782RL	782	5				
603-SR1206JR-071KL	SR1206JR-071KL	1K	5				
603-SR1206JR-072KL	SR1206JR-072KL	2K	5				
603-SR1206JR-075K1L	SR1206JR-075K1L	5.1K	5				
603-SR1206JR-0710KL	SR1206JR-0710KL	10K	5				
603-SR1206JR-0751KL	SR1206JR-0751KL	51K	5				</

YAGEO Surface Mount Chip Resistors



NEW FROM YAGEO

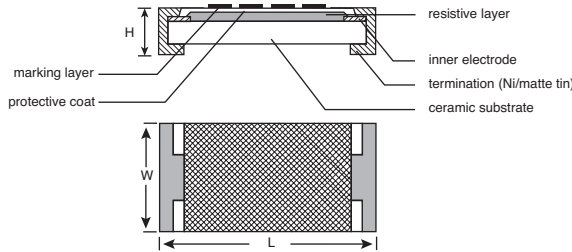
RL SERIES LOW OHMIC CHIP RESISTORS

Features:

- Halogen Free Epoxy
- Reducing environmentally hazardous wastes
- High component and equipment reliability
- Saving of PCB space
- None forbidden-materials used in products/production

Applications:

- Converters
- Printer equipment
- Server board
- Telecom
- Consumer



DIMENSIONS:			
Type	L (mm)	W (mm)	H (mm)
RL0402	1.00 ± 0.05	0.50 ± 0.05	0.35 ± 0.05
RL0603	1.60 ± 0.10	0.80 ± 0.10	0.45 ± 0.10
RL0805	2.00 ± 0.10	1.25 ± 0.10	0.50 ± 0.10
RL1206	3.10 ± 0.10	1.60 ± 0.10	0.55 ± 0.10
RL1210	3.10 ± 0.10	2.60 ± 0.15	0.55 ± 0.10
RL2512	6.35 ± 0.10	3.20 ± 0.15	0.55 ± 0.10

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	Price Each			
			1	50	100	1000
0402 Size, 1/16 Watt						
603-RL0402FR070R402L	RL0402FR-070R402L	0.402				
603-RL0402FR070R499L	RL0402FR-070R499L	0.499				
603-RL0402FR070R1L	RL0402FR-070R1L	0.1				
603-RL0402JR070R1L	RL0402JR-070R1L	0.1				
603-RL0402JR070R33L	RL0402JR-070R33L	0.1				
603-RL0402FR070R5L	RL0402FR-070R5L	0.5				
603-RL0402FR070R51L	RL0402FR-070R51L	0.51				
0603 Size, 1/10 Watt						
603-RL0603FR070R402L	RL0603FR-070R402L	0.402				
603-RL0603FR070R499L	RL0603FR-070R499L	0.499				
603-RL0603JR070R1L	RL0603JR-070R1L	0.1				
603-RL0603JR070R22L	RL0603JR-070R22L	0.22				
603-RL0603FR070R27L	RL0603FR-070R27L	0.27				
603-RL0603FR070R4L	RL0603FR-070R4L	0.4				
603-RL0603JR070R47L	RL0603JR-070R47L	0.47				
603-RL0603FR070R5L	RL0603FR-070R5L	0.5				
0805 Size, 1/8 Watt						
603-RL0805FR070R1L	RL0805FR-070R1L	0.1				
603-RL0805FR7W0R1L	RL0805FR-7W0R1L	0.1				
603-RL0805JR070R1L	RL0805JR-070R1L	0.1				
603-RL0805FR070R2L	RL0805FR-070R2L	0.2				
603-RL0805FR070R22L	RL0805FR-070R22L	0.22				
603-RL0805JR070R22L	RL0805JR-070R22L	0.22				
603-RL0805FR7W0R5L	RL0805FR-7W0R5L	0.5				
603-RL0805JR070R47L	RL0805JR-070R47L	0.47				
1206 Size, 1/4 Watt						
603-RL1206FR070R015L	RL1206FR-070R015L	0.015				
603-RL1206FR070R01L	RL1206FR-070R01L	0.01				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	Price Each			
			1	50	100	1000
1206 Size, 1/4 Watt (Cont.)						
603-RL1206FR070R02L	RL1206FR-070R02L	0.02				
603-RL1206FR070R1L	RL1206FR-070R1L	0.1				
603-RL1206JR070R1L	RL1206JR-070R1L	0.1				
603-RL1206FR070R12L	RL1206FR-070R12L	0.12				
603-RL1206JR070R15L	RL1206JR-070R15L	0.15				
603-RL1206FR070R2L	RL1206FR-070R2L	0.2				
603-RL1206FR070R22L	RL1206FR-070R22L	0.22				
603-RL1206FR070R33L	RL1206FR-070R33L	0.33				
603-RL1206FR070R4L	RL1206FR-070R4L	0.4				
603-RL1206JR070R47L	RL1206JR-070R47L	0.47				
603-RL1206FR070R5L	RL1206FR-070R5L	0.5				
603-RL1206JR070R51L	RL1206JR-070R51L	0.51				
1210 Size, 1/2 Watt						
603-RL1210FR070R02L	RL1210FR-070R02L	0.02				
603-RL1210FR070R1L	RL1210FR-070R1L	0.1				
603-RL1210JR070R1L	RL1210JR-070R1L	0.1				
603-RL1210FR070R2L	RL1210FR-070R2L	0.2				
603-RL1210FR070R5L	RL1210FR-070R5L	0.5				
603-RL1210FR070R82L	RL1210FR-070R82L	0.82				
2512 Size, 1 Watt						
603-RL252FK070R015L	RL2512FK-070R015L	0.015				
603-RL252FK070R01L	RL2512FK-070R01L	0.01				
603-RL252FK070R05L	RL2512FK-070R05L	0.05				
603-RL252FK070R1L	RL2512FK-070R1L	0.1				
603-RL252JK070R2L	RL2512JK-070R2L	0.2				
603-RL252FK070R33L	RL2512FK-070R33L	0.33				
603-RL252JK070R47L	RL2512JK-070R47L	0.47				

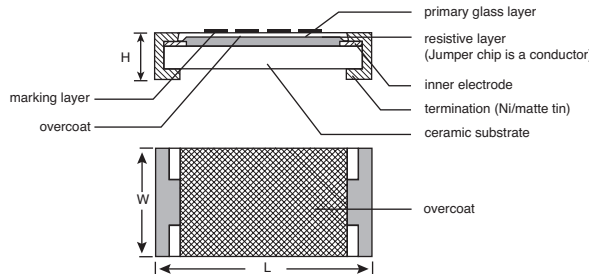
RV SERIES HIGH VOLTAGE CHIP RESISTORS

Features:

- Halogen Free Epoxy

Applications:

- Converters
- Printer equipment
- Battery charger
- Computer
- Automotive industry
- Power supply



DIMENSIONS:			
Type	L (mm)	W (mm)	H (mm)
RV0805	2.00 ± 0.10	1.25 ± 0.10	0.50 ± 0.10
RV1206	3.10 ± 0.10	1.60 ± 0.10	0.55 ± 0.10

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	Price Each			
			1	50	100	1000
0805 Size, 1/8 Watt						
603-RV0805FR-07255KL	RV0805FR-07255KL	255K				
603-RV0805JR-07300KL	RV0805JR-07300KL	300K				
603-RV0805FR-07301KL	RV0805FR-07301KL	301K				
603-RV0805FR-07499KL	RV0805FR-07499KL	499K				
603-RV0805FR-07619KL	RV0805FR-07619KL	619K				
603-RV0805FR-07665KL	RV0805FR-07665KL	665K				
603-RV0805FR-07750KL	RV0805FR-07750KL	750K				
603-RV0805FR-071ML	RV0805FR-071ML	1M				
603-RV0805JR-071ML	RV0805JR-071ML	1M				
603-RV0805FR-071M2L	RV0805FR-071M2L	1.2M				
603-RV0805FR-071M5L	RV0805FR-071M5L	1.5M				
603-RV0805FR-071M62L	RV0805FR-071M62L	1.62M				
603-RV0805FR-071M8L	RV0805FR-071M8L	1.8M				
1206 Size, 1/4 Watt						
603-RV1206FR-07150KL	RV1206FR-07150KL	150K				
603-RV1206JR-07180KL	RV1206JR-07180KL	180K				
603-RV1206FR-07200KL	RV1206FR-07200KL	200K				
603-RV1206JR-07220KL	RV1206JR-07220KL	220K				
603-RV1206FR-07316KL	RV1206FR-07316KL	316K				
603-RV1206JR-07360KL	RV1206JR-07360KL	360K				
603-RV1206JR-07390KL	RV1206JR-07390KL	390K				
603-RV1206FR-07392KL	RV1206FR-07392KL	392K				
603-RV1206FR-07470KL	RV1206FR-07470KL	470K				
603-RV1206JR-07470KL	RV1206JR-07470KL	470K				
603-RV1206FR-07499KL	RV1206FR-07499KL	499K				
603-RV1206FR-07510KL	RV1206FR-07510KL	510K				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	Price Each			
			1	50	100	1000
1206 Size, 1/4 Watt (Cont.)						
603-RV1206FR-07549KL	RV1206FR-07549KL	549K				
603-RV1206FR-07560KL	RV1206FR-07560KL	560K				
603-RV1206FR-07590KL	RV1206FR-07590KL	590K				
603-RV1206JR-07620KL	RV1206JR-07620KL	620K				
603-RV1206FR-07681KL	RV1206FR-07681KL	681K				
603-RV1206JR-07750KL	RV1206JR-07750KL	750K				
603-RV1206FR-07825KL	RV1206FR-07825KL	825K				
603-RV1206JR-07910KL	RV1206JR-07910KL	910K				
603-RV1206FR-071ML	RV1206FR-071ML	1M				
603-RV1206JR-071ML	RV1206JR-071ML	1M				
603-RV1206FR-071M3L	RV1206FR-071M3L	1.3M				
603-RV1206JR-071M5L	RV1206JR-071M5L	1.5M				
603-RV1206FR-071M62L	RV1206FR-071M62L	1.62M				
603-RV1206FR-071M8L	RV1206FR-071M8L	1.8M				
603-RV1206JR-071M8L	RV1206JR-071M8L	1.8M				
603-RV1206FR-072ML	RV1206FR-072ML	2M				
603-RV1206FR-072M26L	RV1206FR-072M26L	2.26M				
603-RV1206FR-073ML	RV1206FR-073ML	3M				
603-RV1206JR-073M3L	RV1206JR-073M3L	3.3M				
603-RV1206JR-075M6L	RV1206JR-075M6L	5.6M				
603-RV1206JR-076M8L	RV1206JR-076M8L	6.8M				
603-RV1206JR-079M1L	RV1206JR-079M1L	9.1M				
603-RV1206JR-0710ML	RV1206JR-0710ML	10M				
603-RV1206JR-0722ML	RV1206JR-0722ML	22M				
603-RV1206JR-0727ML	RV1206JR-0727ML	27M				

SMD Resistors

Yageo

NEW FROM YAGEO

NEW FROM YAGEO

YAGEO SMD Thin Film Chip Resistors



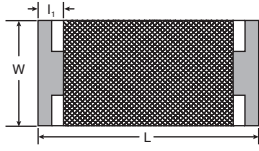
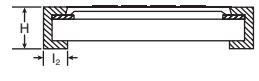
This product is RoHS compliant.



RT SERIES HIGH PRECISION HIGH STABILITY CHIP RESISTORS

Features:

- Halogen Free Epoxy
- Reducing environmentally hazardous wastes
- High component and equipment reliability
- Saving of PCB space



Applications:

- Converters
- Printer equipment
- Server board
- Telecom
- Consumer

Type	L(mm)	W(mm)	H(mm)	L ₁ (mm)	L ₂ (mm)
RT0402	1.00 ±0.10	0.50 ±0.05	0.30 ±0.05	0.20 ±0.10	0.25 ±0.10
RT0603	1.60 ±0.10	0.80 ±0.10	0.45 ±0.10	0.25 ±0.15	0.25 ±0.15
RT0805	2.00 ±0.10	1.25 ±0.10	0.50 ±0.10	0.35 ±0.20	0.35 ±0.20
RT1206	3.10 ±0.10	1.60 ±0.10	0.55 ±0.10	0.45 ±0.20	0.40 ±0.20
RT2010	5.00 ±0.10	2.50 ±0.15	0.55 ±0.10	0.60 ±0.20	0.50 ±0.20

0402 Case Size, 1/16 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	PPM	Price Each			
				1	50	100	1000
603-RT0402FRE07100RL	RT0402FRE07100RL	100	50				
603-RT0402BRD071KL	RT0402BRD071KL	1K	25				
603-RT0402FRE071KL	RT0402FRE071KL	1K	50				
603-RT0402BRB071K82L	RT0402BRB071K82L	1.82K	10				
603-RT0402BRB073K24L	RT0402BRB073K24L	3.24K	10				
603-RT0402BRB074K22L	RT0402BRB074K22L	4.22K	10				
603-RT0402BRB076K19L	RT0402BRB076K19L	6.19K	10				
603-RT0402BRB076K98L	RT0402BRB076K98L	6.98K	10				
603-RT0402BRD0710KL	RT0402BRD0710KL	10K	25				
603-RT0402FRE0710KL	RT0402FRE0710KL	10K	50				
603-RT0402BRE0724K3L	RT0402BRE0724K3L	24.3K	50				
603-RT0402FRE0747KL	RT0402FRE0747KL	47K	50				
603-RT0402BRB0756K2L	RT0402BRB0756K2L	56.2K	10				
603-RT0402BRD0778K7L	RT0402BRD0778K7L	78.7K	25				
603-RT0402FRE07100KL	RT0402FRE07100KL	100K	50				

0603 Case Size, 1/10 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	PPM	Price Each			
				1	50	100	1000
603-RT0603FRE0710RL	RT0603FRE0710RL	10	50				
603-RT0603FRE0747RL	RT0603FRE0747RL	47	50				
603-RT0603FRE0775RL	RT0603FRE0775RL	75	50				
603-RT0603FRE07100RL	RT0603FRE07100RL	100	50				
603-RT0603FRE07150RL	RT0603FRE07150RL	150	50				
603-RT0603FRE07200RL	RT0603FRE07200RL	200	50				
603-RT0603FRE07220RL	RT0603FRE07220RL	220	50				
603-RT0603FRE07330RL	RT0603FRE07330RL	330	50				
603-RT0603FRE07470RL	RT0603FRE07470RL	470	50				
603-RT0603FRE07475RL	RT0603FRE07475RL	475	50				
603-RT0603FRE07680RL	RT0603FRE07680RL	680	50				
603-RT0603BRD071KL	RT0603BRD071KL	1K	25				
603-RT0603DRE071KL	RT0603DRE071KL	1K	50				
603-RT0603FRE071KL	RT0603FRE071KL	1K	50				
603-RT0603BRD071K02L	RT0603BRD071K02L	1.02K	25				
603-RT0603DRE071K20L	RT0603DRE071K20L	1.2K	50				
603-RT0603FRE071K2L	RT0603FRE071K2L	1.2K	50				
603-RT0603BRD071K5L	RT0603BRD071K5L	1.5K	25				
603-RT0603FRE071K5L	RT0603FRE071K5L	1.5K	50				
603-RT0603BRD072KL	RT0603BRD072KL	2K	25				
603-RT0603FRE072KL	RT0603FRE072KL	2K	50				
603-RT0603BRD072K2L	RT0603BRD072K2L	2.2K	25				
603-RT0603FRE072K2L	RT0603FRE072K2L	2.2K	50				
603-RT0603FRE072K7L	RT0603FRE072K7L	2.7K	50				
603-RT0603BRD073K3L	RT0603BRD073K3L	3.3K	25				
603-RT0603FRE073K3L	RT0603FRE073K3L	3.3K	50				
603-RT0603BRD073K9L	RT0603BRD073K9L	3.9K	25				
603-RT0603BRD074K7L	RT0603BRD074K7L	4.7K	25				
603-RT0603FRE074K7L	RT0603FRE074K7L	4.7K	50				
603-RT0603FRE074K75L	RT0603FRE074K75L	4.75K	50				
603-RT0603BRD074K99L	RT0603BRD074K99L	4.99K	25				
603-RT0603FRE075K11L	RT0603FRE075K11L	5.11K	50				
603-RT0603FRE076K8L	RT0603FRE076K8L	6.8K	50				
603-RT0603BRD077K5L	RT0603BRD077K5L	7.5K	25				
603-RT0603FRE077K5L	RT0603FRE077K5L	7.5K	50				
603-RT0603BRB0710KL	RT0603BRB0710KL	10K	10				
603-RT0603BRD0710KL	RT0603BRD0710KL	10K	25				
603-RT0603DRE0710KL	RT0603DRE0710KL	10K	50				
603-RT0603FRE0710KL	RT0603FRE0710KL	10K	50				
603-RT0603BRB0712KL	RT0603BRB0712KL	12K	10				
603-RT0603BRD0712KL	RT0603BRD0712KL	12K	25				
603-RT0603FRE0712KL	RT0603FRE0712KL	12K	50				
603-RT0603BRB0715KL	RT0603BRB0715KL	15K	10				
603-RT0603BRD0715KL	RT0603BRD0715KL	15K	25				
603-RT0603BRE0715KL	RT0603BRE0715KL	15K	50				
603-RT0603FRE0715KL	RT0603FRE0715KL	15K	50				
603-RT0603BRD0718KL	RT0603BRD0718KL	18K	25				
603-RT0603BRD0720KL	RT0603BRD0720KL	20K	25				
603-RT0603FRE0720KL	RT0603FRE0720KL	20K	50				
603-RT0603BRD0722KL	RT0603BRD0722KL	22K	25				
603-RT0603FRE0722KL	RT0603FRE0722KL	22K	50				
603-RT0603BRD0724KL	RT0603BRD0724KL	24K	25				
603-RT0603BRD0727KL	RT0603BRD0727KL	27K	25				

0603 Case Size, 1/10 Watt (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	PPM	Price Each			
				1	50	100	1000
603-RT0603FRE0733KL	RT0603FRE0733KL	33K	50				
603-RT0603BRD0733K2L	RT0603BRD0733K2L	33.2K	25				
603-RT0603BRD0739KL	RT0603BRD0739KL	39K	25				
603-RT0603FRE0739KL	RT0603FRE0739KL	39K	50				
603-RT0603FRE0747KL	RT0603FRE0747KL	47K	50				
603-RT0603BRE0756KL	RT0603BRE0756KL	56K	50				
603-RT0603BRD0768KL	RT0603BRD0768KL	68K	25				
603-RT0603FRE0768KL	RT0603FRE0768KL	68K	50				
603-RT0603BRD0775KL	RT0603BRD0775KL	75K	25				
603-RT0603FRE0775KL	RT0603FRE0775KL	75K	50				
603-RT0603BRD07100KL	RT0603BRD07100KL	100K	25				
603-RT0603FRE07100KL	RT0603FRE07100KL	100K	50				
603-RT0603FRE07120KL	RT0603FRE07120KL	120K	50				
603-RT0603FRE07150KL	RT0603FRE07150KL	150K	50				
603-RT0603BRD07200KL	RT0603BRD07200KL	200K	25				
603-RT0603FRE07200KL	RT0603FRE07200KL	200K	50				
603-RT0603FRE07220KL	RT0603FRE07220KL	220K	50				
603-RT0603FRE07330KL	RT0603FRE07330KL	330K	50				
603-RT0603FRE07470KL	RT0603FRE07470KL	470K	50				

0805 Case Size, 1/8 Watt

For quantities greater than listed, call for quote.


MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	PPM	Price Each			
				1	50	100	1000
603-RT0805BRB07100RL	RT0805BRB07100RL	100	10				
603-RT0805BRD07100RL	RT0805BRD07100RL	100	25				
603-RT0805FRE07100RL	RT0805FRE07100RL	100	50				
603-RT0805BRD07390RL	RT0805BRD07390RL	390	25				
603-RT0805BRD071KL	RT0805BRD071KL	1K	25				
603-RT0805FRE071KL	RT0805FRE071KL	1K	50				
603-RT0805BRD071K5L	RT0805BRD071K5L	1.5K	25				
603-RT0805BRD072KL	RT0805BRD072KL	2K	25				
603-RT0805BRD072K2L	RT0805BRD072K2L	2.2K	25				
603-RT0805BRD074K7L	RT0805BRD074K7L	4.7K	25				
603-RT0805BRD074K75L	RT0805BRD074K75L	4.75K	25				
603-RT0805BRE0710KL	RT0805BRE0710KL	10K	50				
603-RT0805DRE0710KL	RT0805DRE0710KL	10K	50				
603-RT0805FRE0710KL	RT0805FRE0710KL	10K	50				
603-RT0805BRB0710KL	RT0805BRB0710KL	10K	10				
603-RT0805BRD0710KL	RT0805BRD0710KL	10K	25				
603-RT0805BRC0720KL	RT0805BRC0720KL	20K	15				
603-RT0805BRD0720KL	RT0805BRD0720KL	20K	25				
603-RT0805BRD0733KL	RT0805BRD0733KL	33K	25				
603-RT0805FRE0747KL	RT0805FRE0747KL	47K	50				
603-RT0805BRD07100KL	RT0805BRD07100KL	100K	25				
603-RT0805FRE07100KL	RT0805FRE07100KL	100K	50				
603-RT0805BRD07220KL	RT0805BRD07220KL	220K	25				
603-RT0805BRD07330KL	RT0805BRD07330KL	330K	25				
603-RT0805BRD07604KL	RT0805BRD07604KL	604K	25				
603-RT0805BRD071ML	RT0805BRD071ML	1M	25				

1206 Case Size, 1/4 Watt

For quantities greater than listed, call for quote.

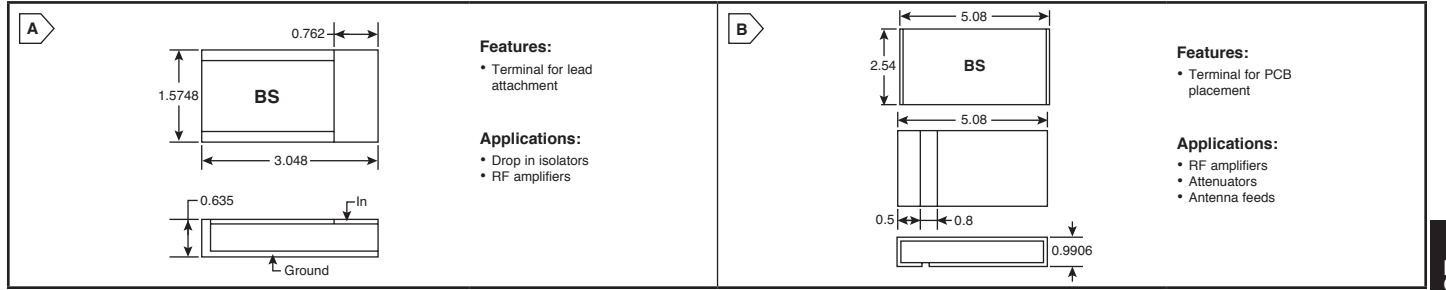
MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	PPM	Price Each			
				1	50	100	1000
603-RT1206FRE07100RL	RT1206FRE07100RL	100	50				
603-RT1206BRD0710KL	RT1206BRD0710KL	10K	25				
603-RT1206FRE0710KL	RT1206FRE0710KL	10K	50				

BOURNS Bare Metal Element and Power RF Chip Resistors **BOURNS®**

 This product is RoHS compliant.

CHF POWER RF CHIP TERMINATION RESISTORS

DIMENSIONS: mm



Features:
 • Low VSWR
 • Aluminum Nitride ceramic


Specifications:
 • Resistive Film: Thick-Film
 • Terminals: Ni Au

Features:
 • Terminal for lead attachment

Applications:
 • Drop in isolators
 • RF amplifiers

Features:
 • Terminal for PCB placement

Applications:
 • RF amplifiers
 • Attenuators
 • Antenna feeds

 RoHS Compliant

• Resistance: 50Ω
 • Tolerance: ±5 %

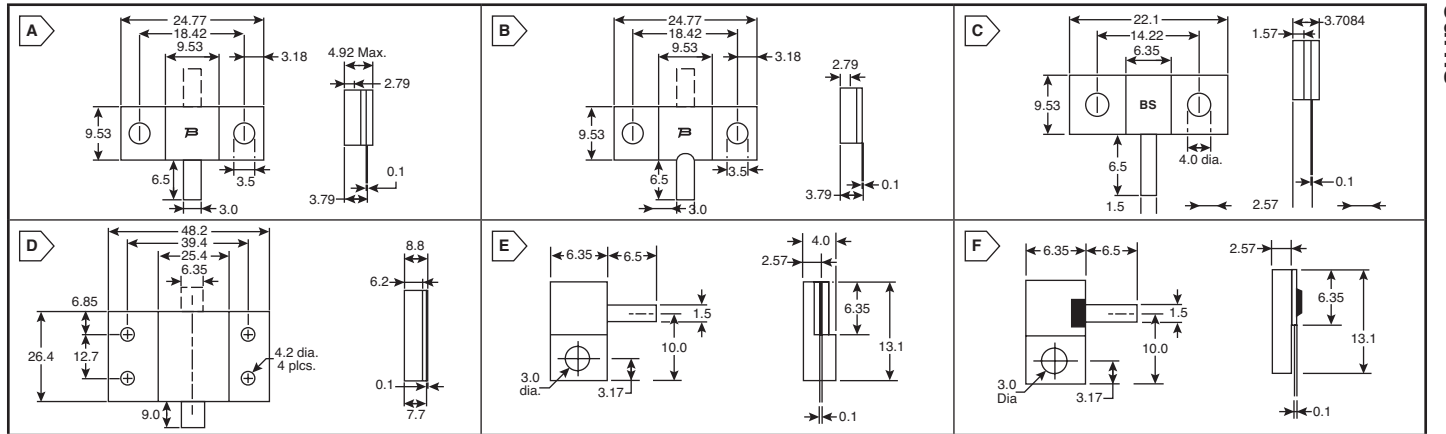
• Packaging: Tape & Reel: 2000 pcs./13" reel
 Bulk: 100 pcs./bag

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Power	Resistance (Ω)	Frequency (GHz)	VSWR Max	Substrate	Mount	Price Each			
									1	10	25	50
652-CHF1206CNT500LW	CHF1206CNT500LW	A	20	50	4	1.25	Alumina	Tab Printed Circuit Board				
652-CHF2010CNP500LX	CHF2010CNP500LX	B	10	50	2	1.2	Alumina					

CHF POWER RF FLANGED CHIP TERMINATION RESISTORS

DIMENSIONS: mm




Applications:
 • High power RF transmission

Features:
 • Low VSWR
 • Flanged model

Specifications:
 • Resistive Film: Thick film
 • Tab: Ag

• Cover substrate: AL203
 • Mounting flange: Cu plated with Ni

• Resistance: 50Ω
 • Tolerance: ±5%

 RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Power	Resistance (Ω)	Frequency (GHz)	VSWR Max	Substrate	Mount	Packaging pcs./tray	Price Each			
										1	10	25	50
652-CHF9838CBF500L	CHF9838CBF500L	A	250	50	3	1.25	Beo	Flange	60				
* 652-CHF9838CNF500L	CHF9838CNF500L	B	250	50	2.2	1.1	Alumina	Flange	60				
* 652-CHF8838CNF500L	CHF8838CNF500L	C	150	50	3	1.2	Alumina	Flange	60				
652-CHF190104CBF500L	CHF190104CBF500L	D	800	50	1	1.2	BEO	Flange	25				
652-CHF5225CBF500L	CHF5225CBF500L	E	60	50	4	1.2	BEO	Flange	100				
* 652-CHF5225CNF500L	CHF5225CNF500L	F	60	50	4	1.2	Alumina	Flange	100				
* 652-CHF5225CAF500L	CHF5225CAF500L	F	20	50	4	1.2	Alumina	Flange	100				

* Tab attachment: Brazed with epoxy encapsulation

PWR4412-2S SERIES BARE METAL ELEMENT RESISTOR

The Bourns® PWR4412-2SB Series is a through hole resistor designed for current shunt and current sensing applications such as power supplies of different kinds, motor drives and many other applications. The resistor is quite rugged, consisting of a special metal alloy welded to tinned copper leads.



RoHS Compliant

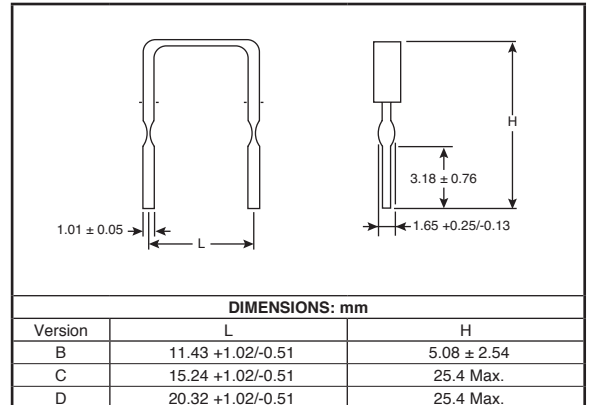
Applications:
 • Power supplies
 • UPS
 • Motor drives

Features:
 • High current capability
 • Low inductance
 • Radial leads
 • Low ohmic

Electrical Specifications:
 • Resistance value: 0.005Ω min. / 0.1Ω max.
 • Power rating @ 85°C:
 Version B: 1.0 W
 Version C: 1.0 W
 Version D: 1.0 W
 • Temperature coefficient (TCR):
 -65°C<T<170°C: ±20 PPM/°C
 • Operating temperature: -40 to +125°C
 • Inductance: 10 nH
 • Packaging: 250 pcs./bag
 • Tolerance: 1%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Watt	Resistance (Ω)	Price Each			
				1	10	25	50
652-PWR44122SBR0100F	PWR4412-2SBR0100F	1	0.01				
652-PWR44122SBR0300F	PWR4412-2SBR0300F	1	0.03				
652-PWR44122SCR0100F	PWR4412-2SCR0100F	3	0.01				
652-PWR44122SCR0300F	PWR4412-2SCR0300F	3	0.03				
652-PWR44122SDR0100F	PWR4412-2SDR0100F	5	0.01				
652-PWR44122SDR0300F	PWR4412-2SDR0300F	5	0.03				



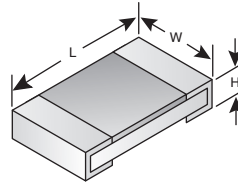
IRC Resistors



PFC SERIES TANFILM 0.1% 25 PPM SMD THIN FILM RESISTORS

Features:

- Available in 0603, 0805, 1206
- Temperature Coefficient = 25ppm
- Passivated TanFilm element
- Tolerance= 0.1%
- Wrap-around termination
- Leach resistant nickel barrier termination



Size	MOUSER STOCK NO.	IRC Part No.	Range of Values in (Ω) See Table	Price Each			
				1	50	100	500
*0603	66-PFC06LF-Value-B	PFC06C-value-B	10(Ω) to 100K				
*0805	66-PFC08LF-Value-B	PFC08C-value-B	10(Ω) to 267K				
1206	66-PFC12LF-Value-B	PFC12C-value-B	10(Ω) to 1Meg				

DIMENSIONS: in.					
Size	Watt	L		W	H
0603	.1	.063±.004		.031±.004	.020±.004
0805	.25	.081±.005		.050±.005	.020±.006
1206	.33	.126±.006		.063±.005	.024±.004

TABLE OF STOCKED VALUES * Values not available in all sizes

10	20	42.2	84.5	140	221	365	590	931	1.5K	2.37K	3.74K	5.9K	9.31K	14.7K	23.2K	37.4K	61.9K	105K	165K	261K	412K	649K
10.2	20.5	43.2	86.6	143	226	374	604	953	1.54K	2.43K	3.83K	6.04K	9.53K	15K	23.7K	38.3K	63.4K	107K	169K	267K	422K	665K
10.5	21.5	44.2	88.7	147	232	383	619	1.0K	1.58K	2.49K	3.92K	6.19K	9.76K	15.4K	24.3K	39.2K	64.9K	110K	174K	274K	432K	681K
10.7	22.1	45.3	90.9	150	237	392	634	1.02K	1.62K	2.55K	4.02K	6.34K	10K	15.8K	24.9K	40.2K	66.5K	113K	178K	280K	442K	698K
11	23.7	47.5	93.1	154	243	402	649	1.05K	1.65K	2.61K	4.12K	6.49K	10.2K	16.2K	25.5K	42.2K	68.1K	115K	182K	287K	453K	715K
11.3	24.3	48.7	95.3	158	249	422	665	1.07K	1.69K	2.67K	4.2K	6.65K	10.5K	16.5K	26.1K	43.2K	69.8K	118K	187K	294K	464K	732K
11.5	24.9	49.9	97.6	162	255	432	681	1.1K	1.74K	2.74K	4.32K	6.81K	10.7K	16.9K	26.7K	44.2K	71.5K	121K	191K	301K	475K	750K
12.1	26.7	51.1	100	165	261	442	698	1.13K	1.78K	2.8K	4.42K	6.98K	11K	17.4K	27.4K	45.3K	73.2K	124K	196K	309K	487K	768K
13	28	53.6	102	169	267	453	715	1.15K	1.82K	2.87K	4.53K	7.15K	11.3K	17.8K	28K	46.4K	75K	127K	200K	316K	499K	787K
13.3	30.1	54.9	105	174	274	464	732	1.18K	1.87K	2.94K	4.64K	7.32K	11.5K	18.2K	29.4K	47.5K	78.7K	130K	205K	324K	511K	806K
13.7	30.9	57.6	107	178	287	475	750	1.21K	1.91K	3.01K	4.75K	7.5K	11.8K	18.7K	30.1K	48.7K	80.6K	133K	210K	332K	523K	825K
14.3	31.6	59	110	182	301	487	768	1.24K	1.96K	3.09K	4.87K	7.68K	12.1K	19.1K	30.9K	49.9K	82.5K	137K	215K	340K	536K	845K
14.7	32.4	60.4	113	187	309	499	787	1.27K	2.0K	3.16K	4.99K	7.87K	12.4K	19.6K	31.6K	51.1K	86.6K	140K	221K	348K	549K	866K
15	33.2	61.9	115	191	316	511	806	1.3K	2.05K	3.24K	5.11K	8.06K	12.7K	20K	32.4K	53.6K	88.7K	143K	226K	357K	562K	887K
15.4	36.5	64.9	121	196	324	523	825	1.33K	2.1K	3.32K	5.23K	8.25K	13K	20.5K	33.2K	54.9K	90.9K	147K	232K	365K	576K	909K
15.8	37.4	69.8	124	200	332	536	845	1.37K	2.15K	3.4K	5.36K	8.45K	13.3K	21K	34K	56.2K	93.1K	150K	237K	374K	590K	931K
16.9	38.3	71.5	127	205	340	549	866	1.4K	2.21K	3.48K	5.49K	8.66K	13.7K	21.5K	34.8K	57.6K	97.6K	154K	243K	383K	604K	953K
18.2	39.2	75	130	210	348	562	887	1.43K	2.26K	3.57K	5.62K	8.87K	14K	22.1K	35.7K	59K	100K	158K	249K	392K	619K	976K
18.7	40.2	78.7	133	215	357	576	909	1.47K	2.32K	3.65K	5.76K	9.09K	14.3K	22.6K	36.5K	60.4K	102K	162K	255K	402K	634K	1.0M
19.8	41.2	82.5	137																			

IRC Leaded Resistors

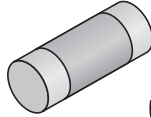
HSF-1 SERIES 10% SMD SURGE RESISTORS

Specifications:

- Size Code: F
- Industry Footprint: 2512
- Maximum Power Rating: 1W @ 70°C
- Working Voltage: 350
- Tolerance: ±10%
- TCR (ppm/°C): ±50, ±100

Features:

- Up to triple the surge rating of the rugged OHP1
- Replaces costly surface-mount wirewound resistors
- 150°C maximum operating temperature
- 1 Watt power rating



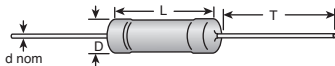
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IRC Part No.	Value (Ω)	Price Each					Reel 1000
			1	10	100	250	500	
66-HSF11006R80K7LF	HSF11006R80K7LF	6.8						
66-HSF110027R0K7LF	HSF110027R0K7LF	27						
66-HSF110068R0K7LF	HSF110068R0K7LF	68						
66-HSF11002700K7LF	HSF11002700K7LF	270						

RC55 SERIES - 0.1% METAL FILM RESISTORS - 1/4 WATT

Features:

- Tolerance: 0.1%
- Temperature Coefficient: 25ppm
- Power Rating: 70°C, 1/4W
- Power Rating: 70°C, 1/4W



MOUSER STOCK NO.	Range of Values in (Ω) See Table	Price Each				DIMENSIONS: mm			
		1	50	100	500	L max	D max	T min	d nom
66-RC55LF-D-Value	10(Ω) - 249K					7.2	2.5	30	0.6
66-RC55LF-D-Value	255K -1M					7.2	2.5	30	0.6

TABLE OF STOCKED VALUES

10	21.5	38.3	68.1	113	187	324	536	866	1.37K	2.26K	3.65K	6.04K	9.76K	15.8K	24.9K	39.2K	61.9K	100K	169K	287K	487K	887K
10.2	22.1	39.2	69.8	115	196	332	549	887	1.4K	2.32K	3.74K	6.19K	10K	16.2K	25.5K	40.2K	63.4K	102K	174K	294K	499K	909K
10.5	23.7	40.2	71.5	118	200	340	562	909	1.47K	2.37K	3.83K	6.34K	10.2K	16.5K	26.1K	41.2K	64.9K	105K	178K	301K	511K	931K
10.7	24.3	42.2	73.2	121	205	348	576	931	1.5K	2.43K	3.92K	6.49K	10.5K	16.9K	26.7K	42.2K	66.5K	107K	182K	309K	536K	953K
11	24.9	43.2	75	124	210	357	590	953	1.54K	2.49K	4.02K	6.65K	10.7K	17.4K	27.4K	43.2K	68.1K	110K	187K	316K	549K	1.0M
11.8	25.5	44.2	80.6	127	215	365	604	976	1.58K	2.55K	4.12K	6.81K	11K	17.8K	28K	44.2K	69.8K	113K	191K	324K	576K	
12.7	26.1	46.4	82.5	130	221	383	619	1.0K	1.62K	2.61K	4.2K	6.98K	11.3K	18.2K	28.7K	45.3K	71.5K	115K	200K	332K	604K	
13	26.7	47.5	84.5	133	226	392	634	1.02K	1.65K	2.67K	4.32K	7.15K	11.5K	18.7K	29.4K	46.4K	75K	118K	205K	340K	649K	
14	27.4	49.9	86.6	140	232	402	649	1.05K	1.69K	2.8K	4.42K	7.32K	11.8K	19.1K	30.1K	47.5K	78.7K	121K	210K	348K	665K	
14.3	28	51.1	88.7	143	237	412	665	1.07K	1.74K	2.87K	4.64K	7.5K	12.1K	19.6K	30.9K	48.7K	78.7K	124K	215K	357K	681K	
15	28.7	52.3	90.9	147	243	422	681	1.1K	1.78K	2.94K	4.75K	7.68K	12.4K	20K	31.6K	49.9K	80.6K	127K	221K	365K	715K	
15.4	29.4	54.9	93.1	150	249	432	698	1.13K	1.82K	3.01K	4.87K	7.87K	12.7K	20.5K	32.4K	51.1K	82.5K	130K	226K	374K	732K	
15.8	30.1	56.2	95.3	154	255	442	715	1.15K	1.87K	3.09K	4.99K	8.06K	13K	21K	33.2K	52.3K	84.5K	133K	232K	392K	750K	
16.9	30.9	59	97.6	158	261	453	732	1.18K	1.91K	3.16K	5.11K	8.25K	13.3K	21.5K	34K	53.6K	86.6K	137K	243K	402K	768K	
17.4	32.4	60.4	100	162	267	464	750	1.21K	1.96K	3.24K	5.23K	8.45K	14K	22.1K	34.8K	54.9K	88.7K	140K	249K	422K	787K	
19.8	33.2	61.9	102	165	274	487	787	1.24K	2.0K	3.32K	5.36K	8.66K	14.3K	22.6K	35.7K	56.2K	90.9K	147K	255K	442K	806K	
20	34	63.4	105	169	301	499	806	1.27K	2.05K	3.4K	5.49K	8.87K	14.7K	23.2K	36.5K	57.6K	93.1K	150K	261K	453K	825K	
20.5	34.8	64.9	107	178	309	511	825	1.3K	2.1K	3.48K	5.62K	9.09K	15K	23.7K	37.4K	59K	95.3K	154K	267K	464K	845K	
21	37.4	66.5	110	182	316	523	845	1.33K	2.21K	3.57K	5.9K	9.31K	15.4K	24.3K	38.3K	60.4K	97.6K	165K	274K	475K	866K	

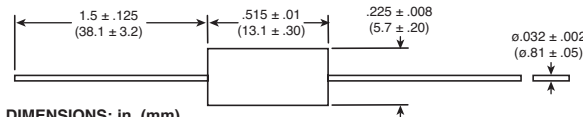
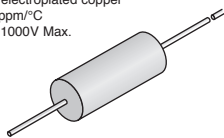
GS-3 SERIES 5% THICK FILM METAL GLAZE RESISTORS - 3 WATT

Features:

- High Surge Strength
- Effective as carbon Composition Replacement

Specifications:

- Power Rating: 3W @ 25°C
- Tolerance: 5%
- Leads: Tin-lead electroplated copper
- TCR: ±100(TO) ppm/°C
- Voltage Rating: 1000V Max.



DIMENSIONS: in. (mm)

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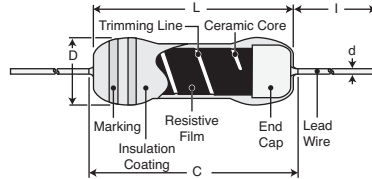
KOA SPEER 1% Metal Film Resistors - 1/4, 1/2 Watt



RoHS Compliant This product is RoHS compliant.

Features:

- Units meet or exceed the requirements of MIL-R-10509
- Suitable for automatic machine insertion
- Marking: Blue-gray body color with color-coded bands



ORDERING INFORMATION

Type	DIMENSIONS: in. (mm)				
	L	C (max.)	D	d (nom.)	l
MF1/4	.248 (6.3)	.280 (7.1)	.091±.012 (2.3±0.3)	.024±.002 (0.6±0.05)	1.18±.118 (30.0±3.0)
MF1/2	.374 (9.5)	.437 (11.1)	.138±.016 (3.5±0.4)		

ORDERING INFORMATION

In a continual effort to support their customer base on a global environment, KOA Corporation is adopting a new global part numbering system.

MF	1/4	D	C	T52	R	1002	F
Type	Power Rating	T.C.R.	Termination Material	Taping and Forming	Packaging	Nominal Resistance	Tolerance
MF	1/4: 0.25W 1/2: 0.5W	C±50 D:±100	C: SnCu	T52	R: Reel	3 significant figures + 1 multiplier "R" indicates decimal on value < 10Ω.	F:±1.0%

Leaded Resistors



RoHS Compliant

KOA Speer

1/4 Watt

KOA Series	Toler.	TCR	Value Range	BULK PACKAGING				TAPE AND REEL							
				MOUSER STOCK NO.		Price Each		MOUSER STOCK NO.		Reel Quantity	Price Each				
				Prefix	Value	1	100	500	1000		Prefix	Value	5000	10000	50000
MF1/4CC	1%	50	1-49.9	660-MF1/4CC	code					660-MF1/4CCT52R	code	5000			
MF1/4CC	1%	50	51.1-2.21M	660-MF1/4CC	code					660-MF1/4CCT52R	code	5000			
MF1/4DC	1%	100	10-2.21M	660-MF1/4DC	code					660-MF1/4DCT52R	code	5000			

1/2 Watt

KOA Series	Toler.	TCR	Value Range	BULK PACKAGING				TAPE AND REEL							
				MOUSER STOCK NO.		Price Each		MOUSER STOCK NO.		Reel Quantity	Price Each				
				Prefix	Value	1	100	500	1000		Prefix	Value	4000	8000	12000
MF1/2CC	1%	50	1-49.9	660-MF1/2CC	code					660-MF1/2CCT52R	code	4000			
MF1/2CC	1%	50	51.1-2.21M	660-MF1/2CC	code					660-MF1/2CCT52R	code	4000			
MF1/2DC	1%	100	10-2.21M	660-MF1/2DC	code					660-MF1/2DCT52R	code	4000			

TABLE OF STOCKED VALUES

Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code	Value	Code
1	1R00F	499	4990F	2.37K	2371F	6.81K	6811F	18.2K	1822F	51.1K	5112F	200K	2003F
2	2R00F	511	5110F	2.43K	2431F	6.98K	6981F	18.7K	1872F	52.3K	5232F	205K	2053F
10	10R0F	562	5620F	2.49K	2491F	7.15K	7151F	19.1K	1912F	56.2K	5622F	210K	2103F
20	20R0F	604	6040F	2.67K	2671F	7.32K	7321F	19.6K	1962F	59K	5902F	221K	2213F
22.1	22R1F	619	6190F	2.74K	2741F	7.5K	7501F	20K	2002F	60.4K	6042F	226K	2263F
24.3	24R3F	665	6650F	2.8K	2801F	7.68K	7681F	20.5K	2052F	61.9K	6192F	249K	2493F
30.1	30R1F	680	6800F	2.87K	2871F	7.87K	7871F	21.5K	2152F	63.4K	6342F	261K	2613F
33.2	33R2F	681	6810F	2.94K	2941F	8.06K	8061F	22.1K	2212F	66.5K	6652F	267K	2673F
39.2	39R2F	698	6980F	3.01K	3011F	8.25K	8251F	22.6K	2262F	68.1K	6812F	274K	2743F
47	47R0F	732	7320F	3.24K	3241F	8.45K	8451F	23.7K	2372F	69.8K	6982F	280K	2803F
47.5	47R5F	750	7500F	3.32K	3321F	8.66K	8661F	24.3K	2432F	71.5K	7152F	294K	2943F
49.9	49R9F	768	7680F	3.4K	3401F	9.09K	9091F	24.9K	2492F	75K	7502F	301K	3013F
51.1	51R1F	806	8060F	3.48K	3481F	9.31K	9311F	25.5K	2552F	76.8K	7682F	332K	3323F
61.9	61R9F	825	8250F	3.57K	3571F	9.53K	9531F	26.1K	2612F	80.6K	8062F	392K	3923F
68.1	68R1F	887	8870F	3.65K	3651F	10K	1002F	26.7K	2672F	82.5K	8252F	464K	4643F
75	75R0F	909	9090F	3.74K	3741F	10.2K	1022F	27.4K	2742F	84.5K	8452F	470K	4703F
82.5	82R5F	953	9530F	3.83K	3831F	10.5K	1052F	28K	2802F	86.6K	8662F	475K	4753F
100	1000F	976	9760F	3.92K	3921F	10.7K	1072F	28.7K	2872F	88.7K	8872F	499K	4993F
121	1210F	1K	1001F	4.02K	4021F	11K	1102F	30.1K	3012F	90.9K	9092F	511K	5113F
130	1300F	1.1K	1101F	4.22K	4221F	11.3K	1132F	30.9K	3092F	93.1K	9312F	562K	5623F
150	1500F	1.21K	1211F	4.42K	4421F	11.5K	1152F	31.6K	3162F	100K	1003F	681K	6813F
182	1820F	1.3K	1301F	4.53K	4531F	12K	1202F	32.4K	3242F	102K	1023F	1M	1004F
200	2000F	1.33K	1331F	4.64K	4641F	12.1K	1212F	33.2K	3322F	110K	1103F	1.5M	1504F
221	2210F	1.47K	1471F	4.7K	4701F	12.4K	1242F	34K	3402F	115K	1153F	1.82M	1824F
237	2370F	1.5K	1501F	4.75K	4751F	12.7K	1272F	35.7K	3572F	121K	1213F	2M	2004F
249	2490F	1.58K	1581F	4.87K	4871F	13K	1302F	36.5K	3652F	124K	1243F	2.21M	2214F
261	2610F	1.78K	1781F	4.99K	4991F	13.3K	1332F	37.4K	3742F	127K	1273F		
274	2740F	1.82K	1821F	5.1K	5101F	14K	1402F	38.3K	3832F	130K	1303F		
287	2870F	1.87K	1871F	5.11K	5111F	14.3K	1432F	39.2K	3922F	133K	1333F		
301	3010F	1.96K	1961F	5.36K	5361F	15K	1502F	40.2K	4022F	143K	1433F		
332	3320F	2K	2001F	5.49K	5491F	15.4K	1542F	42.2K	4222F	147K	1473F		
348	3480F	2.05K	2051F	5.62K	5621F	15.8K	1582F	43.2K	4322F	150K	1503F		
385	3850F	2.1K	2101F	5.76K	5761F	16.2K	1622F	45.3K	4532F	158K	1583F		
392	3920F	2.15K	2151F	5.9K	5901F	16.9K	1692F	46.4K	4642F	162K	1623F		
464	4640F	2.2K	2201F	6.19K	6191F	17.4K	1742F	47K	4702F	169K	1693F		
470	4700F	2.21K	2211F	6.49K	6491F	17.8K	1782F	47.5K	4752F	178K	1783F		
475	4750F	2.32K	2321F	6.65K	6651F	18K	1802F	49.9K	4992F	182K	1823F		

VISHAY CMF Metal Film Resistors



This product is RoHS compliant.

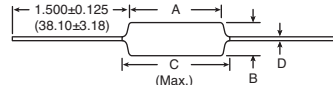


CMF55 AND CMF60 METAL FILM RESISTORS

Features:

- Small size - conformal coated
- Flame retardant epoxy coating
- Controlled temperature coefficient
- Excellent high frequency characteristics
- Exceptionally low noise; typically 0.10µV/VV
- Low voltage coefficient to ± 5ppm/Volt
- Lead (Pb)-Free version is RoHS Compliant
- Other TCs available upon request

DIMENSIONS: in. (mm)				
Model	A	B	C (Max.)	D
CMF55	0.240±0.020 (6.10±0.51)	0.090±0.008 (2.29±0.20)	0.278 (7.06)	0.025±0.002 (0.64±0.05)
CMF60	0.344±0.031 (8.74±0.79)	0.145±0.015 (3.68±0.38)	0.425 (10.80)	0.025±0.002 (0.64±0.05)



Marking:
 - Value
 - Decade and Tolerance
 - Date Code
 (Alternate parts may be MIL marked)



RoHS Compliant

For quantities greater than listed, call for quote.

Vishay Leaded Resistors

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each			
			1	25	100	500
CMF55 = 1/4 Watt Rated to 1/2 Watt 50ppm 1%						
71-CMF5510R000FHEK	CMF5510R000FHEK	10				
71-CMF5515R000FHEK	CMF5515R000FHEK	15				
71-CMF5520R000FHEK	CMF5520R000FHEK	20				
71-CMF5530R100FHEK	CMF5530R100FHEK	30.1				
71-CMF5533R200FHEK	CMF5533R200FHEK	33.2				
71-CMF5547R500FHEK	CMF5547R500FHEK	47.5				
71-CMF5549R900FHEK	CMF5549R900FHEK	49.9				
71-CMF5551R100FHEK	CMF5551R100FHEK	51.1				
71-CMF5575R000FHEK	CMF5575R000FHEK	75				
71-CMF55100R000FHEK	CMF55100R000FHEK	100				
71-CMF55121R00FHEK	CMF55121R00FHEK	121				
71-CMF55150R00FHEK	CMF55150R00FHEK	150				
71-CMF55182R00FHEK	CMF55182R00FHEK	182				
71-CMF55200R00FHEK	CMF55200R00FHEK	200				
71-CMF55220R00FHEK	CMF55220R00FHEK	220				
71-CMF55221R00FHEK	CMF55221R00FHEK	221				
71-CMF55249R00FHEK	CMF55249R00FHEK	249				
71-CMF55274R00FHEK	CMF55274R00FHEK	274				
71-CMF55301R00FHEK	CMF55301R00FHEK	301				
71-CMF55330R00FHEK	CMF55330R00FHEK	330				
71-CMF55332R00FHEK	CMF55332R00FHEK	332				
71-CMF55365R00FHEK	CMF55365R00FHEK	365				
71-CMF55392R00FHEK	CMF55392R00FHEK	392				
71-CMF55402R00FHEK	CMF55402R00FHEK	402				
71-CMF55475R00FHEK	CMF55475R00FHEK	475				
71-CMF55499R00FHEK	CMF55499R00FHEK	499				
71-CMF55511R00FHEK	CMF55511R00FHEK	511				
71-CMF55562R00FHEK	CMF55562R00FHEK	562				
71-CMF55604R00FHEK	CMF55604R00FHEK	604				
71-CMF55681R00FHEK	CMF55681R00FHEK	681				
71-CMF55825R00FHEK	CMF55825R00FHEK	825				
71-CMF55909R00FHEK	CMF55909R00FHEK	909				
71-CMF551K0000FHEK	CMF551K0000FHEK	1K				
71-CMF551K2100FHEK	CMF551K2100FHEK	1.21K				
71-CMF551K3000FHEK	CMF551K3000FHEK	1.3K				
71-CMF551K5000FHEK	CMF551K5000FHEK	1.5K				
71-CMF551K6200FHEK	CMF551K6200FHEK	1.62K				
71-CMF551K8200FHEK	CMF551K8200FHEK	1.82K				
71-CMF552K0000FHEK	CMF552K0000FHEK	2K				
71-CMF552K2000FHEK	CMF552K2000FHEK	2.2K				
71-CMF552K2100FHEK	CMF552K2100FHEK	2.21K				
71-CMF552K3700FHEK	CMF552K3700FHEK	2.37K				
71-CMF552K4900FHEK	CMF552K4900FHEK	2.49K				
71-CMF552K7400FHEK	CMF552K7400FHEK	2.74K				
71-CMF553K0100FHEK	CMF553K0100FHEK	3.01K				
71-CMF553K2400FHEK	CMF553K2400FHEK	3.24K				
71-CMF553K3200FHEK	CMF553K3200FHEK	3.32K				
71-CMF553K9200FHEK	CMF553K9200FHEK	3.92K				
71-CMF554K0200FHEK	CMF554K0200FHEK	4.02K				
71-CMF554K3200FHEK	CMF554K3200FHEK	4.32K				
71-CMF554K7000FHEK	CMF554K7000FHEK	4.7K				
71-CMF554K7500FHEK	CMF554K7500FHEK	4.75K				
71-CMF554K9900FHEK	CMF554K9900FHEK	4.99K				
71-CMF555K1100FHEK	CMF555K1100FHEK	5.11K				
71-CMF556K0400FHEK	CMF556K0400FHEK	6.04K				
71-CMF556K8100FHEK	CMF556K8100FHEK	6.81K				
71-CMF557K5000FHEK	CMF557K5000FHEK	7.5K				
71-CMF558K0600FHEK	CMF558K0600FHEK	8.06K				
71-CMF558K2500FHEK	CMF558K2500FHEK	8.25K				
71-CMF558K6600FHEK	CMF558K6600FHEK	8.66K				
71-CMF5510K000FHEK	CMF5510K000FHEK	10K				
71-CMF5510K500FHEK	CMF5510K500FHEK	10.5K				
71-CMF5511K000FHEK	CMF5511K000FHEK	11K				
71-CMF5512K100FHEK	CMF5512K100FHEK	12.1K				
71-CMF5515K000FHEK	CMF5515K000FHEK	15K				
71-CMF5517K400FHEK	CMF5517K400FHEK	17.4K				
71-CMF5518K200FHEK	CMF5518K200FHEK	18.2K				
71-CMF5520K000FHEK	CMF5520K000FHEK	20K				
71-CMF5522K100FHEK	CMF5522K100FHEK	22.1K				
71-CMF5524K900FHEK	CMF5524K900FHEK	24.9K				
71-CMF5530K100FHEK	CMF5530K100FHEK	30.1K				
71-CMF5533K200FHEK	CMF5533K200FHEK	33.2K				
71-CMF5547K000FHEK	CMF5547K000FHEK	47K				
71-CMF5540K200FHEK	CMF5540K200FHEK	40.2K				
71-CMF5547K500FHEK	CMF5547K500FHEK	47.5K				
71-CMF5549K900FHEK	CMF5549K900FHEK	49.9K				
71-CMF5551K100FHEK	CMF5551K100FHEK	51.1K				
71-CMF5590K900FHEK	CMF5590K900FHEK	90.9K				
71-CMF55100K00FHEK	CMF55100K00FHEK	100K				

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each			
			1	25	100	500
CMF55 = 1/4 Watt Rated to 1/2 Watt 50ppm 1% (Cont.)						
71-CMF55110K00FHEK	CMF55110K00FHEK	110K				
71-CMF55121K00FHEK	CMF55121K00FHEK	121K				
71-CMF55150K00FHEK	CMF55150K00FHEK	150K				
71-CMF55200K00FHEK	CMF55200K00FHEK	200K				
71-CMF55221K00FHEK	CMF55221K00FHEK	221K				
71-CMF55249K00FHEK	CMF55249K00FHEK	249K				
71-CMF55301K00FHEK	CMF55301K00FHEK	301K				
71-CMF55475K00FHEK	CMF55475K00FHEK	475K				
71-CMF55499K00FHEK	CMF55499K00FHEK	499K				
71-CMF551M0000FHEK	CMF551M0000FHEK	1M				
71-CMF5510M000FHEK	CMF5510M000FHEK	10M				
CMF60 = 1/2 Watt Rated to 1 Watt 50ppm 1%						
71-CMF6010R000FHEK	CMF6010R000FHEK	10				
71-CMF6020R000FHEK	CMF6020R000FHEK	20				
71-CMF6022R100FHEK	CMF6022R100FHEK	22.1				
71-CMF6024R900FHEK	CMF6024R900FHEK	24.9				
71-CMF6030R100FHEK	CMF6030R100FHEK	30				
71-CMF6033R200FHEK	CMF6033R200FHEK	33.2				
71-CMF6039R200FHEK	CMF6039R200FHEK	39.2				
71-CMF6047R500FHEK	CMF6047R500FHEK	47.5				
71-CMF6049R900FHEK	CMF6049R900FHEK	49.9				
71-CMF6056R200FHEK	CMF6056R200FHEK	56.2				
71-CMF6075R000FHEK	CMF6075R000FHEK	75				
71-CMF60100R00FHEK	CMF60100R00FHEK	100				
71-CMF60121R00FHEK	CMF60121R00FHEK	121				
71-CMF60150R00FHEK	CMF60150R00FHEK	150				
71-CMF60182R00FHEK	CMF60182R00FHEK	182				
71-CMF60200R00FHEK	CMF60200R00FHEK	200				
71-CMF60221R00FHEK	CMF60221R00FHEK	221				
71-CMF60301R00FHEK	CMF60301R00FHEK	301				
71-CMF6033R200FHEK	CMF6033R200FHEK	332				
71-CMF6039R200FHEK	CMF6039R200FHEK	392				
71-CMF6040R200FHEK	CMF6040R200FHEK	402				
71-CMF60475R00FHEK	CMF60475R00FHEK	475				
71-CMF60499R00FHEK	CMF60499R00FHEK	499				
71-CMF60511R00FHEK	CMF60511R00FHEK	511				
71-CMF6056R200FHEK	CMF6056R200FHEK	562				
71-CMF60681R00FHEK	CMF60681R00FHEK	681				
71-CMF6075R000FHEK	CMF6075R000FHEK	750				
71-CMF60825R00FHEK	CMF60825R00FHEK	825				
71-CMF601K0000FHEK	CMF601K0000FHEK	1K				
71-CMF601K1000FHEK	CMF601K1000FHEK	1.1K				
71-CMF601K2100FHEK	CMF601K2100FHEK	1.21K				
71-CMF601K5000FHEK	CMF601K5000FHEK	1.5K				
71-CMF601K8200FHEK	CMF601K8200FHEK	1.82K				
71-CMF602K0000FHEK	CMF602K0000FHEK	2K				
71-CMF602K2100FHEK	CMF602K2100FHEK	2.21K				
71-CMF603K0100FHEK	CMF603K0100FHEK	3.01K				
71-CMF603K3200FHEK	CMF603K3200FHEK	3.32K				
71-CMF603K9200FHEK	CMF603K9200FHEK	3.92K				
71-CMF604K0200FHEK	CMF604K0200FHEK	4.02K				
71-CMF604K7500FHEK	CMF604K7500FHEK	4.75K				
71-CMF605K1100FHEK	CMF605K1100FHEK	5.11K				
71-CMF605K6200FHEK	CMF605K6200FHEK	5.62K				
71-CMF606K8100FHEK	CMF606K8100FHEK	6.81K				
71-CMF607K5000FHEK	CMF607K5000FHEK	7.5K				
71-CMF608K0600FHEK	CMF608K0600FHEK	8.06K				
71-CMF608K2500FHEK	CMF608K2500FHEK	8.25K				
71-CMF609K0900FHEK	CMF609K0900FHEK	9.09K				
71-CMF6010K000FHEK	CMF6010K000FHEK	10K				
71-CMF6012K100FHEK	CMF6012K100FHEK	12.1K				
71-CMF6015K000FHEK	CMF6015K000FHEK	15K				
71-CMF60						

VISHAY/DALE Metal Film Resistors



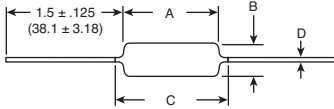
VISHAY/DALE TYPE PTF SERIES - .1% METAL FILM RESISTORS, PRECISION, ULTRA-HIGH STABILITY

For quantities greater than listed, call for quote.

Features:

- Extremely low temperature coefficient of resistance
- Very low noise and voltage coefficient
- Very good high frequency characteristics
- Can replace wirewound bobbins
- Proprietary epoxy coating provides superior moisture protection

DIMENSIONS: in. (mm)



Model	A	B	C	D
PTF56	0.250±0.031 (3.81±0.51)	0.091±0.009 (2.31±0.23)	0.300 (7.62)	0.025 (0.64)
PTF65	0.375±0.062 (9.53±1.57)	0.145±0.016 (3.68±0.41)	0.475 (12.07)	0.025 (0.64)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value	TCR (ppm/°C)	Tol. ± %	Price Each			
					1	25	50	100
PTF56, 1/8 Watt @ 85°C - Limiting Element Voltage Max. 300								
71-PTF5649R900BYBF	PTF5649R900BYBF	49.9	10	0.10				
71-PTF5650R000BYBF	PTF5650R000BYBF	50	10	0.10				
71-PTF56100R00BXYBF	PTF56100R00BXYBF	100	15	0.10				
71-PTF56100R00BYBF	PTF56100R00BYBF	100	10	0.10				
71-PTF56200R00AYBF	PTF56200R00AYBF	200	10	0.05				
71-PTF56200R00BYBF	PTF56200R00BYBF	200	10	0.10				
71-PTF56250R00BYBF	PTF56250R00BYBF	250	10	0.10				
71-PTF56500R00BYBF	PTF56500R00BYBF	500	10	0.10				
71-PTF561K0000BYBF	PTF561K0000BYBF	1K	10	0.10				
71-PTF561K0000BZBF	PTF561K0000BZBF	1K	5	0.10				
71-PTF562K0000BYBF	PTF562K0000BYBF	2K	10	0.10				
71-PTF563K0000BYBF	PTF563K0000BYBF	3K	10	0.10				
71-PTF563K8800BZBF	PTF563K8800BZBF	3.88K	5	0.10				
71-PTF564K9900BYBF	PTF564K9900BYBF	4.99K	10	0.10				

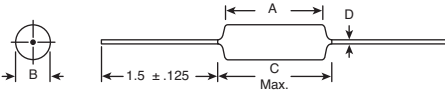
MOUSER STOCK NO.	Vishay Part No.	Value	TCR (ppm/°C)	Tol. ± %	Price Each			
					1	25	50	100
PTF56, 1/8 Watt @ 85°C - Limiting Element Voltage Max. 300 (Cont.)								
71-PTF565K0000BYBF	PTF565K0000BYBF	5K	10	0.10				
71-PTF565K0000BZBF	PTF565K0000BZBF	5K	5	0.10				
71-PTF567K5000BYBF	PTF567K5000BYBF	7.5K	10	0.10				
71-PTF5610K000BXYBF	PTF5610K000BXYBF	10K	15	0.10				
71-PTF5610K000BYBF	PTF5610K000BYBF	10K	10	0.10				
71-PTF5610K000BZBF	PTF5610K000BZBF	10K	5	0.10				
71-PTF5611K000BYBF	PTF5611K000BYBF	11K	10	0.10				
71-PTF5615K000BYBF	PTF5615K000BYBF	15K	10	0.10				
71-PTF5620K000BYBF	PTF5620K000BYBF	20K	10	0.10				
71-PTF5620K000BZBF	PTF5620K000BZBF	20K	5	0.10				
71-PTF5624K900BYBF	PTF5624K900BYBF	24.9K	10	0.10				
71-PTF5650K000BZBF	PTF5650K000BZBF	50K	5	0.10				
71-PTF56100K00BYBF	PTF56100K00BYBF	100K	10	0.10				
71-PTF56100K00BZBF	PTF56100K00BZBF	100K	5	0.10				
71-PTF56200K00BZBF	PTF56200K00BZBF	200K	5	0.10				
71-PTF56249K00BYBF	PTF56249K00BYBF	249K	10	0.10				
71-PTF56249K00BZBF	PTF56249K00BZBF	249K	5	0.10				
71-PTF56300K00BZBF	PTF56300K00BZBF	300K	5	0.10				
71-PTF56499K00BZBF	PTF56499K00BZBF	499K	5	0.10				
PTF65, 1/4 Watt @ 85°C - Limiting Element Voltage Max. 500								
71-PTF6550R000BYBF	PTF6550R000BYBF	50	10	0.10				
71-PTF65100R00BYBF	PTF65100R00BYBF	100	10	0.10				
71-PTF65120R00BYBF	PTF65120R00BYBF	120	10	0.10				
71-PTF65250R00AYBF	PTF65250R00AYBF	250	10	0.05				
71-PTF65400R00AZBF	PTF65400R00AZBF	400	5	0.05				
71-PTF651K0000BYBF	PTF651K0000BYBF	1K	10	0.10				
71-PTF651K0000BZBF	PTF651K0000BZBF	1K	5	0.10				
71-PTF6510K000BZBF	PTF6510K000BZBF	10K	5	0.10				
71-PTF65100K00BYBF	PTF65100K00BYBF	100K	10	0.10				
71-PTF651M0000BYBF	PTF651M0000BYBF	1M	10	0.10				
71-PTF651M0000BZBF	PTF651M0000BZBF	1M	15	0.10				

Leaded Resistors Vishay

VISHAY/DALE TYPE RN SERIES - 1% METAL FILM RESISTORS - 1/8, 1/4 AND 1/2 WATT

Features:

- Very low noise
- Very low voltage coefficient
- Excellent high frequency characteristics
- Meets MIL-R-10509
- Flame retardant epoxy coating



DIMENSIONS: in.				
Series	A	B	C	D
RN55D	.240±.020	.090±.008	.278	.025±.002
RN55D	.334±.031	.145±.015	.425	.025±.002
RN55D	.562±.031	.180±.015	.687	.025±.002

RN55D, 1/8W

MOUSER STOCK NO.	Range of Values (Ω)	Price Each				
		1	50	100	500	1000
71-RN55D-F-Value	10-1M					Call

RN60D, 1/4W

71-RN60D-F-Value	10-1M					Call
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RN65D, 1/2W

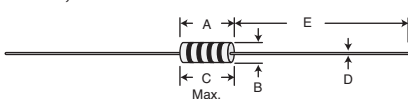
71-RN65D-F-Value	10-1.0M					Call
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For additional values call your Mouser representative or buy on-line at mouser.com

TABLE OF STOCKED VALUES											
RN55D-F 1/8 Watt				RN60D-F 1/4 Watt				RN65D-F 1/2 Watt			
10	243	909	4.75K 15K 249K	10	750	15K	10	6.81K	221K		
15	249	1K	4.99K 18.2K 301K	20	825	20K	100	10K	301K		
20	267	1.21K	5.11K 20K 475K	24.9	1K	22.1K	200	15K	475K		
22.1	274	1.5K	5.62K 22.1K 499K	49.9	1.1K	33.2K	221	20K	499K		
27.4	301	1.82K	6.04K 27.4K 1M	75	1.21K	49.9K	332	22.1K	1M		
33.2	332	2K	6.19K 30.1K	100	1.5K	100K	475	33.2K			
47.5	392	2.21K	6.81K 33.2K	121	1.82K	150K	681	39.2K			
49.9	402	2.37K	7.5K 47.5K	150	2K	200K	825	47.5K			
56.2	432	2.49K	8.06K 49.9K	200	2.21K	221K	1K	49.9K			
75	475	2.74K	8.25K 51.1K	221	2.74K	499K	1.5K	56.2K			
90.9	499	3.01K	9.09K 75K	243	3.01K	1M	1.82K	68.1K			
100	511	3.32K	10K 80.6K	249	4.99K		2.21K	100K			
150	562	3.65K	11K 82.5K	301	5.62K		3.32K	110K			
182	681	3.92K	12.5K 100K	332	6.81K		4.75K	121K			
200	750	4.02K	13K 150K	475	10K		4.99K	150K			
221	825	4.32K	13.3K 200K	499	12.1K		5.62K	182K			

VISHAY/DALE METAL FILM RESISTORS - 1/4, 1/2, 3/4 AND 1 WATT ±1% TOLERANCE

Type CCF55, CCF60 Series



DIMENSIONS: in.					
Model	A	B	C	D	E
CCF-55	.240±.020	.090±.008	.265	.025±.002	1.100±.040
CCF-60	.334±.031	.139±.009	.400	.025±.002	1.000±.040

Features:

- ±100PPM/°C temperature coefficient
- Superior electrical performance
- Flame retardant epoxy conformal coating
- Standard 5 band color code marking for ease of identification after mounting
- Tape and reel packaging

Specifications:

- Power Rating: CCF55=1/4 and 1/2 watt CCF60=1/2, 3/4 and 1 watt
- Insulation Resistance: 10,000MΩ
- Operating Temperature: -65°C to +165°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Price Each				
		1	100	1000	2000	5000
71-CCF55-Value	10-2.49M					
71-CCF60-Value	10-1M					

TABLE OF STOCKED VALUES											
10	75	340	866	2.49K	7.5K	20K	75K	274K			
15	82.5	392	1K	2.8K	7.68K	22.1K	82.5K	301K			
16.2	100	402	1.07K	3.16K	8.25K	27.4K	90.9K	332K			
20	105	422	1.1K	3.32K	8.45K	30.1K	100K	392K			
22.1	120	432	1.21K	4.32K	8.87K	33.2K	110K	475K			
24.9	121	475	1.3K	4.53K	10K	39.2K	121K	499K			
27.4	150	499	1.33K	4.75K	10.2K	40.2K	133K	1M			
30.1	200	510	1.5K	4.99K	11K	47.5K	137K	1.5M			
39.2	220	562	1.62K	5.11K	12.1K	49.9K	150K	2M			
47.5	221	604	1.82K	5.62K	13K	51.1K	162K	2.21M			
49.9	243	619	2K	6.04K	14K	56.2K	200K	2.49M			
51.1	249	681	2.15K	6.19K	15K	68.1K	221K				
60.4	301	750	2.21K	6.81K	16.2K	68.1K	249K				
73.2	332	825	2.43K	7.15K	18.2K	71.5K	267K				

MODEL FRJ-50 ZERO OHM JUMPER RESISTOR

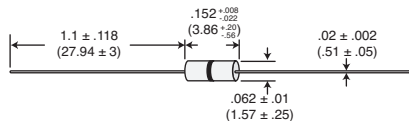
Features:

- Provides low resistance circuit interconnections
- Flame retardant coating
- Compatible with automatic insertion equipment

Specifications:

- Resistance: 0.01Ω max.
- Insulation Resistance: Dry 10,000MΩ; Wet 100MΩ
- Lead Material: Tin-plated copper (max. 98% tin)

DIMENSIONS: in. (mm)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Termination	Price Each						
			1	10	50	100	1000	2000	5000
71-FRJ-50-0	FRJ50R36	Tin/Lead							
71-FRJ50-0-E3	FRJ50E36	Lead Free							

VISHAY BC COMPONENTS Power Resistors



PR01/PR02/PR03 SERIES POWER METAL FILM RESISTORS

Features:

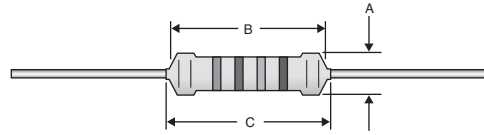
- High power in small packages
- Defined interruption behavior
- Non flammable

Specifications:

- Resistance tolerance: $\pm 5\%$
- Operating temperature: -55°C to $+155^{\circ}\text{C}$
- Temperature coefficient: $\pm 250\text{ppm}$

Applications:

- Telecommunication
- Consumer
- White goods
- Industrial electronics
- Switch mode power supplies
- Line protection
- All general purpose power applications



Reel Qty.	Type	Power Rating	MOUSER STOCK NO.		Price Each				
			Prefix	Value *	1	100	500	1000	5000
5000	PR01	1W	594-5073NW	Code					
5000	PR02	2W	594-5083NW	Code					
500	PR03	3W	594-5093NW	Code					

DIMENSIONS: mm (in.)			
Type	ϕA Max.	B Max.	C Max.
PR01	2.5 (0.1)	6.5 (0.26)	8.5 (0.33)
PR02	3.9 (0.15)	10.0 (0.39)	12.0 (0.47)
PR03	5.2 (0.2)	16.7 (0.66)	19.5 (0.77)

*Insert Value Code from Table of Stocked Values.

TABLE OF STOCKED VALUES																			
Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating		
		1W	3W	5W			1W	3W	5W			1W	3W	5W			1W	3W	5W
1	1R000J	X	X		16	16R00J	X	X	X	270	270R0J	X	X	X	4.3K	4K300J	X	X	X
1.1	1R100J	X	X		18	18R00J	X	X	X	300	300R0J	X	X	X	4.7K	4K700J	X	X	X
1.2	1R200J	X	X		20	20R00J	X	X	X	330	330R0J	X	X	X	5.1K	5K100J	X	X	X
1.3	1R300J	X	X		22	22R00J	X	X	X	360	360R0J	X	X	X	5.6K	5K600J	X	X	X
1.5	1R500J	X	X		24	24R00J	X	X	X	390	390R0J	X	X	X	6.2K	6K200J	X	X	X
1.6	1R600J	X	X		27	27R00J	X	X	X	430	430R0J	X	X	X	6.8K	6K800J	X	X	X
1.8	1R800J	X	X		30	30R00J	X	X	X	470	470R0J	X	X	X	7.5K	7K500J	X	X	X
2	2R000J	X	X		33	33R00J	X	X	X	510	510R0J	X	X	X	8.2K	8K200J	X	X	X
2.2	2R200J	X	X		36	36R00J	X	X	X	560	560R0J	X	X	X	9.1K	9K100J	X	X	X
2.4	2R400J	X	X		39	39R00J	X	X	X	620	620R0J	X	X	X	10K	10K00J	X	X	X
2.7	2R700J	X	X		43	43R00J	X	X	X	680	680R0J	X	X	X	11K	11K00J	X	X	X
3	3R000J	X	X		47	47R00J	X	X	X	750	750R0J	X	X	X	12K	12K00J	X	X	X
3.3	3R300J	X	X		51	51R00J	X	X	X	820	820R0J	X	X	X	13K	13K00J	X	X	X
3.6	3R600J	X	X		56	56R00J	X	X	X	910	910R0J	X	X	X	15K	15K00J	X	X	X
3.9	3R900J	X	X		62	62R00J	X	X	X	1K	1K000J	X	X	X	16K	16K00J	X	X	X
4.3	4R300J	X	X		68	68R00J	X	X	X	1.1K	1K100J	X	X	X	18K	18K00J	X	X	X
4.7	4R700J	X	X		75	75R00J	X	X	X	1.2K	1K200J	X	X	X	20K	20K00J	X	X	X
5.1	5R100J	X	X		82	82R00J	X	X	X	1.3K	1K300J	X	X	X	22K	22K00J	X	X	X
5.6	5R600J	X	X		91	91R00J	X	X	X	1.5K	1K500J	X	X	X	24K	24K00J	X	X	X
6.2	6R200J	X	X		100	100R0J	X	X	X	1.6K	1K600J	X	X	X	27K	27K00J	X	X	X
6.8	6R800J	X	X		110	110R0J	X	X	X	1.8K	1K800J	X	X	X	30K	30K00J	X	X	X
7.5	7R500J	X	X		120	120R0J	X	X	X	2K	2K000J	X	X	X	33K	33K00J	X	X	X
8.2	8R200J	X	X		130	130R0J	X	X	X	2.2K	2K200J	X	X	X	36K	36K00J	X	X	X
9.1	9R100J	X	X		150	150R0J	X	X	X	2.4K	2K400J	X	X	X	39K	39K00J	X	X	X
10	10R00J	X	X	X	160	160R0J	X	X	X	2.7K	2K700J	X	X	X	43K	43K00J	X	X	X
11	11R00J	X	X	X	180	180R0J	X	X	X	3K	3K000J	X	X	X	47K	47K00J	X	X	X
12	12R00J	X	X	X	200	200R0J	X	X	X	3.3K	3K300J	X	X	X	51K	51K00J	X	X	X
13	13R00J	X	X	X	220	220R0J	X	X	X	3.6K	3K600J	X	X	X	56K	56K00J	X	X	X
15	15R00J	X	X	X	240	240R0J	X	X	X	3.9K	3K900J	X	X	X	62K	62K00J	X	X	X

AC01/AC03/AC05 SERIES CEMENT COATED WIREWOUND RESISTORS

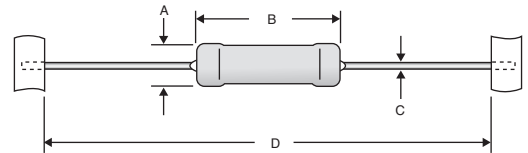
Features:

- All welded construction
- Ceramic core
- High power dissipation in small volume

Specifications:

- High pulse load handling capabilities
- Non-flammable cement coating
- Tinned copper-clad iron leads

Reel Qty.	Type	MOUSER STOCK NO.		Range of Values (Ω)	Price Each					
		Prefix	Value *		1	50	100	500	1000	2000
1000	1W	594-AC01W	Code	0.1-0.75						
1000	1W	594-AC01W	Code	1.0-10						
1000	1W	594-AC01W	Code	12-2.4K						
500	3W	594-AC03W	Code	0.1-0.75						
500	3W	594-AC03W	Code	1.0-20						
500	3W	594-AC03W	Code	22-5K						
500	5W	594-AC05W	Code	0.1-0.75						
500	5W	594-AC05W	Code	1.0-39						
500	5W	594-AC05W	Code	43-1K						
500	5W	594-AC05W	Code	1.1K-10K						



DIMENSIONS: mm (in.)				
Type	A Max.	B Max.	C	D Min.
AC01	4.3 (0.169)	11 (0.433)		63 (2.480)
AC03	4.8 (0.189)	13 (0.512)	0.8 \pm 0.03 (0.031 \pm 0.001)	63 (2.480)
AC05	7.5 (0.295)	18 (0.709)		63 (2.480)

*Insert Value Code from Table of Stocked Values.

TABLE OF STOCKED VALUES																			
Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating		
		1W	3W	5W			1W	3W	5W			1W	3W	5W			1W	3W	5W
0.1	0R100J	x	x	x	7.5	7R500J	x	x	x	56	56R00J	x	x	x	430	430R0J	x	x	x
0.13	0R130J	x	x	x	10	10R00J	x	x	x	68	68R00J	x	x	x	470	470R0J	x	x	x
0.15	0R150J	x	x	x	12	12R00J	x	x	x	75	75R00J	x	x	x	500	500R0J	x	x	x
0.2	0R200J	x	x	x	15	15R00J	x	x	x	82	82R00J	x	x	x	560	560R0J	x	x	x
0.24	0R240J	x	x	x	18	18R00J	x	x	x	100	100R0J	x	x	x	620	620R0J	x	x	x
0.3	0R300J	x	x	x	20	20R00J	x	x	x	120	120R0J	x	x	x	680	680R0J	x	x	x
0.33	0R330J	x	x	x	22	22R00J	x	x	x	150	150R0J	x	x	x	750	750R0J	x	x	x
0.47	0R470J	x	x	x	24	24R00J	x	x	x	180	180R0J	x	x	x	820	820R0J	x	x	x
0.5	0R500J	x	x	x	27	27R00J	x	x	x	200	200R0J	x	x	x	910	910R0J	x	x	x
0.75	0R750J	x	x	x	30	30R00J	x	x	x	220	220R0J	x	x	x	1K	1K000J	x	x	x
1	1R000J	x	x	x	33	33R00J	x	x	x	240	240R0J	x	x	x	1.1K	1K100J	x	x	x
1.5	1R500J	x	x	x	36	36R00J	x	x	x	270	270R0J	x	x	x	1.2K	1K200J	x	x	x
2	2R000J	x	x	x	39	39R00J	x	x	x	300	300R0J	x	x	x	1.5K	1K500J	x	x	x
3	3R000J	x	x	x	43	43R00J	x	x	x	330	330R0J	x	x	x	1.8K	1K800J	x	x	x
3.9	3R900J	x	x	x	47	47R00J	x	x	x	360	360R0J	x	x	x	2K	2K000J	x	x	x
4.7	4R700J	x	x	x	50	50R00J	x	x	x	390	390R0J	x	x	x	2.2K	2K200J	x	x	x
5	5R000J	x	x	x															

VISHAY Wirewound Resistors



VISHAY/DALE - TYPE LVR LOW VALUE - 1% - 1, 3 AND 5 WATT

Specifications:

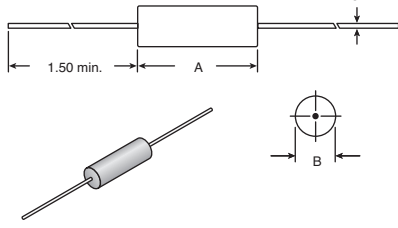
- Resistance tolerance: $\pm 1\%$
- Temperature coefficient: -55°C to $+125^{\circ}\text{C}$, referenced to $+25^{\circ}\text{C}$
- Short time overload: 5sec. @ 5 times rated power
- Meets MIL-R-49465, Type RLV

TABLE OF STOCKED VALUES

0.005	0.03	0.1
0.01	0.04	0.15
0.015	0.05	0.2
0.02	0.07	0.25
0.025	0.08	*0.3

* Available in LVR5 only.

Series	DIMENSIONS: in.		
	A ± 0.10	B ± 0.10	C ± 0.02
LVR-1	.427	.115	.02
LVR-3	.560	.205	.032
LVR-5	.925	.330	.040



LVR1, 1 Watt - 1% For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-LVR1-Value	0.01-0.1				

LVR3, 3 Watts - 1% For quantities greater than listed, call for quote.

71-LVR3-Value	0.005				
71-LVR3-Value	0.01-0.08				
71-LVR3-Value	0.1-0.2				

LVR5, 5 Watts - 1% For quantities greater than listed, call for quote.

71-LVR5-Value	0.005				
71-LVR5-Value	0.01-0.08				
71-LVR5-Value	0.1-0.3				

VISHAY/DALE - TYPE RS SILICONE COATED - HIGH TEMP - 1, 3 AND 5 WATT

Features:

- Complete welded construction
- Meets applicable requirements of MIL-R-26

Specifications:

- Resistance tolerance: $\pm 1\%$
- Dielectric strength: 1000VAC
- Insulation resistance: 1000M Ω

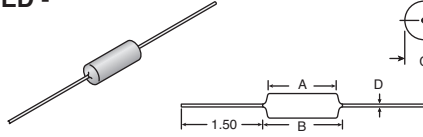
* Available in RS5 only

TABLE OF STOCKED VALUES

0.1	1.0	15	50	150	350	700	2.0K	4.5K	8.2K	20K
0.13	1.2	18	56	180	390	800	2.2K	4.7K	9.0K	22K
0.15	1.5	20	68	200	400	820	2.5K	5.0K	10K	22.5K
0.2	2.0	22	75	220	450	900	2.7K	5.6K	11K	25K *
0.25	3.0	25	82	225	470	1.0K	3.0K	6.0K	12K	40K *
0.3	4.0	27	100	250	500	1.2K	3.3K	6.8K	12.5K	50K *
0.33	5.0	30	110	270	560	1.25K	3.5K	7.0K	15K	68K *
0.5	7.5	33	120	300	600	1.5K	3.9K	7.5K	16K	75K *
0.75	10	47	125	330	620	1.8K	4.0K	8.0K	18K	

Series	DIMENSIONS: in.			
	A	B	C	D
RS1A	.406	.39	.094	.02
RS2B	.560	.622	.187	.032
RS5	1.00	1.00	.312	.040

Cross Reference Chart	
Dale	Clarostat
RS2B	SC3D
RS5	SC5E



RS1A, 1 Watt - 1% For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-RS1A-Value	0.1-0.75				
71-RS1A-Value	1.0-1.0K				
71-RS1A-Value	1.2K-2.7K				

RS2B, 3 Watts - 1% For quantities greater than listed, call for quote.

71-RS2B-Value	0.1-0.75				
71-RS2B-Value	1.0-1.0K				
71-RS2B-Value	1.2K-10K				
71-RS2B-Value	11K-22.5K				

RS5, 5 Watts - 1% For quantities greater than listed, call for quote.

71-RS5-Value	0.1-0.75				
71-RS5-Value	1.0-1.0K				
71-RS5-Value	1.2K-10K				
71-RS5-Value	11K-25K				
71-RS5-Value	40K-50K				
71-RS5-Value	68K-75K				

VISHAY/DALE - TYPE CW SILICONE COATED - 5%, 10% WIREWOUND RESISTORS - 3 AND 5 WATT

Features:

- High temperature
- Complete welded construction
- Excellent stability in operation
- High power/size ratio

Specifications:

- Resistance tolerance: $< 1\% \pm 10\%$, $\geq 1\% \pm 5\%$
- Temp. coefficient: $\pm 90\text{PPM}/^{\circ}\text{C}$ below 1Ω
 $\pm 50\text{PPM}/^{\circ}\text{C}$ 1Ω - 7.5Ω
 $\pm 30\text{PPM}/^{\circ}\text{C}$ 10Ω - $25\text{K}\Omega$
- Dielectric strength: 1000VAC min.

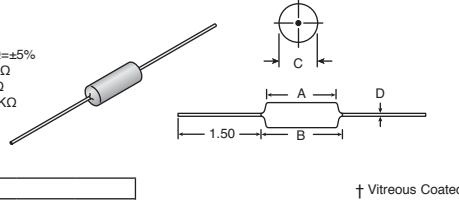
* Available in CW5 only

TABLE OF STOCKED VALUES

0.1	0.75	12	39	150	400	1.1K	3.5K	8.0K	*20K
0.13	1.0	15	47	180	450	1.2K	3.9K	8.2K	*22K
0.15	1.5	18	50	200	470	1.5K	4.0K	9.0K	*25K
0.2	2.0	20	56	220	500	1.8K	4.5K	10K	
*0.22	2.7	22	68	225	560	2.0K	4.7K	11K	
0.25	3.0	25	*75	250	600	2.2K	5.0K	12K	
0.27	4.0	27	82	270	680	2.5K	5.6K	12.5K	
0.3	5.0	30	100	300	750	2.7K	6.0K	15K	
0.33	7.5	33	120	330	900	3.0K	6.8K	*16K	
0.5	10	35	125	390	1.0K	3.3K	7.5K	*18K	

Cross Reference Chart	
Dale	Clarostat
CW2B	† VC3D
CW5	† VC5E

Series	DIMENSIONS: in.			
	A	B	C	D
CW2B	.562	.622	.188	.032
CW5	.872	1.00	.312	.040



CW2B, 3 Watts For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Tol.	Price Each			
			1	10	25	50
71-CW2B-Value	0.1-0.75	10%				
71-CW2B-J-Value	0.1-0.75	5%				
71-CW2B-Value	1.0-1.0K	5%				
71-CW2B-Value	1.1K-3.0K	5%				
71-CW2B-Value	3.3K-10K	5%				
71-CW2B-Value	12K-15K	5%				

CW5, 5 Watts For quantities greater than listed, call for quote.

71-CW5-Value	0.1-0.75	10%				
71-CW5-J-Value	0.1-0.75	5%				
71-CW5-Value	1.0-1.0K	5%				
71-CW5-Value	1.1K-10K	5%				
71-CW5-Value	11K-20K	5%				
71-CW5-Value	22K-25K	5%				

VISHAY/SFERNICE - RWM SERIES - CONFORMAL VITREOUS ENAMEL - 5% WIREWOUND POWER RESISTORS - 3 WATT

Features:

- High Dissipation
- Fire Proof
- All Welded Construction
- Reliable in AC or DC applications

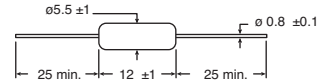
- High Reliability Level
- Low ohmic values

Specifications:

- Operating Temperature: -55°C to $+200^{\circ}\text{C}$
- Temperature Coefficient: $+75\text{ppm}/^{\circ}\text{C}$ typical
- Dielectric Withstanding Voltage: 500VRMS - one minute - 10mA

DIMENSIONS: mm

- Tolerance: 5% Standard
- Power Rating: 3 Watts



For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value	Price Each				
			1	100	500	1000	5000
72-RWM410-R1-5	RWM410-R1-5-TR	0.1					
72-RWM410-R12-5	RWM410-R12-5-TR	0.12					
72-RWM410-R15-5	RWM410-R15-5-TR	0.15					
72-RWM410-R22-5	RWM410-R22-5-TR	0.22					
72-RWM410-R27-5	RWM410-R27-5-TR	0.27					
72-RWM410-R33-5	RWM410-R33-5-TR	0.33					
72-RWM410-R39-5	RWM410-R39-5-TR	0.39					
72-RWM410-R47-5	RWM410-R47-5-TR	0.47					
72-RWM410-1-5	RWM410-1-5-TR	1					
72-RWM410-1R5-5	RWM410-1R5-5-TR	1.5					
72-RWM410-2R2-5	RWM410-2R2-5-TR	2.2					
72-RWM410-3R3-5	RWM410-3R3-5-TR	3.3					
72-RWM410-4R7-5	RWM410-4R7-5-TR	4.7					
72-RWM410-6R2-5	RWM410-6R2-5-TR	6.2					
72-RWM410-8R2-5	RWM410-8R2-5-TR	8.2					
72-RWM410-10-5	RWM410-10-5-TR	10					
72-RWM410-15-5	RWM410-15-5-TR	15					
72-RWM410-22-5	RWM410-22-5-TR	22					
72-RWM410-27-5	RWM410-27-5-TR	27					
72-RWM410-39-5	RWM410-39-5-TR	39					
72-RWM410-47-5	RWM410-47-5-TR	47					
72-RWM410-56-5	RWM410-56-5-TR	56					

MOUSER STOCK NO.	Vishay Part No.	Value	Price Each				
			1	100	500	1000	5000
72-RWM410-68-5	RWM410-68-5-TR	68					
72-RWM410-100-5	RWM410-100-5-TR	100					
72-RWM410-150-5	RWM410-150-5-TR	150					
72-RWM410-180-5	RWM410-180-5-TR	180					
72-RWM410-220-5	RWM410-220-5-TR	220					
72-RWM410-270-5	RWM410-270-5-TR	270					
72-RWM410-330-5	RWM410-330-5-TR	330					
72-RWM410-390-5	RWM410-390-5-TR	390					
72-RWM410-470-5	RWM410-470-5-TR	470					
72-RWM410-560-5	RWM410-560-5-TR	560					
72-RWM410-680-5	RWM410-680-5-TR	680					
72-RWM410-1K-5	RWM410-1K-5-TR	1K					
72-RWM410-1K2-5	RWM410-1K2-5-TR	1.2K					
72-RWM410-1K5-5	RWM410-1K5-5-TR	1.5K					
72-RWM410-1K8-5	RWM410-1K8-5-TR	1.8K					
72-RWM410-2K2-5	RWM410-2K2-5-TR	2.2K					
72-RWM410-3K3-5	RWM410-3K3-5-TR	3.3K					
72-RWM410-3K9-5	RWM410-3K9-5-TR	3.9K					
72-RWM410-4K7-5	RWM410-4K7-5-TR	4.7K					
72-RWM410-5K6-5	RWM410-5K6-5-TR	5.6K					
72-RWM410-6K8-5	RWM410-6K8-5-TR	6.8K					
72-RWM410-10K-5	RWM410-10K-5-TR	10K					

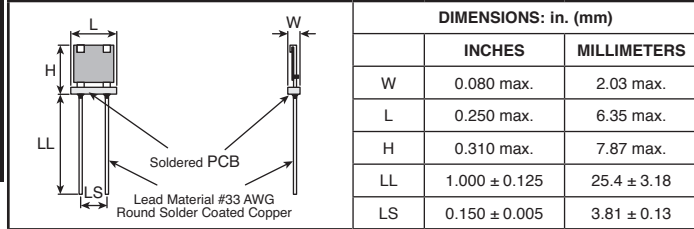
VISHAY/PRECISION GROUP Foil Resistors



VAR SERIES - 0.01% ULTRA HIGH PRECISION Z-FOIL AUDIO RESISTOR 4 WATT

Features:

- Operating temperature: -55°C to +125°C
- Minimizes noise and distortion in the signal path.
- The Z-Foil chip in the VAR has been especially treated to increase load life stability.
- Non-inductive, non-capacitive design



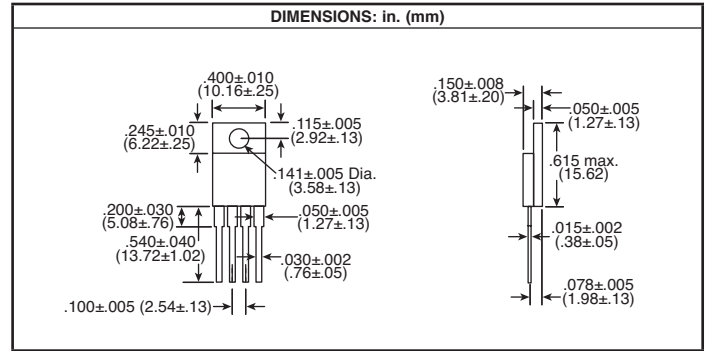
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-VART100R000TB	Y0706100R000T9L	100		
71-VART1K00000TB	Y07061K00000T9L	1K		
71-VART10K0000TB	Y070610K0000T9L	10K		

VPR221 SERIES 0.01% PRECISION FOIL POWER RESISTORS 8 WATT

Features:

- Operating temperature: -55°C to +125°C
- Bulk Metal® Foil Technology
- 4 lead Kelvin connect device
- High stability
- Low TCR



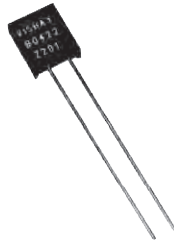
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-VPR221T1R0000FB	Y09261R00000F9L	1		
71-VPR221T10R000TB	Y092610R0000T9L	10		

Z201 SERIES 0.1% AND .005% ULTRA HIGH PRECISION Z-FOIL RESISTOR WITH TCR 6 WATT

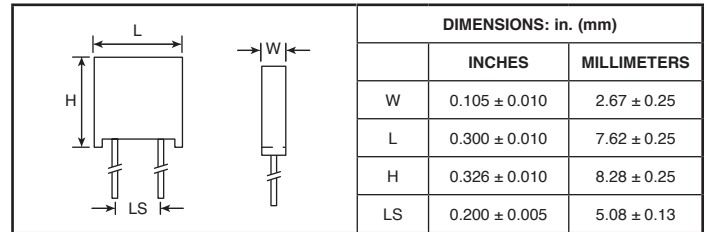
Features:

- Operating Temperature: -55°C to +125°C
- Non-inductive, non-capacitive design
- Drop in replacement for S102C/K
- 0.150" Lead space
- Tolerance: .01 and .005%



Applications:

- Precision amplifiers, high precision instrumentation, medical and automatic test equipment.
- Laboratory, audio
- Down-hole (high temperature)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-Z201T100R00VB	Y1453100R000V9L	100		
71-Z201T1K0000TB	Y14531K00000T9L	1K		
71-Z201T10K000VB	Y145310K0000V9L	10K		

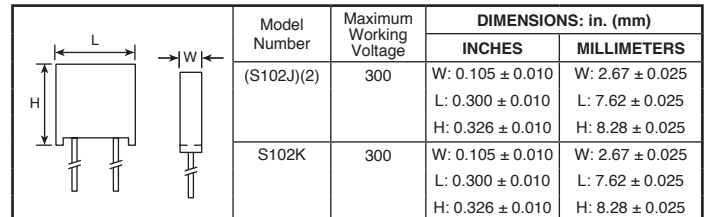
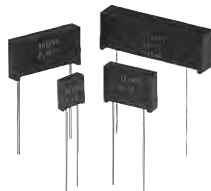
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-Z201T500R00VB	Y1453500R000V9L	500		
71-Z201T5K0000VB	Y14535K00000V9L	5K		
71-Z201T20K000VB	Y145320K0000V9L	20K		

S SERIES 0.01% HIGH PRECISION THROUGH HOLE FOIL RESISTOR 6 WATT

Features:

- Operating Temperature: -55°C to +125°C
- Excellent load life stability
- Tight tolerance
- Fast response time
- Low current noise
- Low thermal EMF



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-S102JT100R00TB	Y0785100R000T9L	100		
71-S102JT1K0000TB	Y07851K00000T9L	1K		
71-S102KT1K0000TB	Y00621K00000T9L	1K		
71-S102JT10K000TB	Y078510K0000T9L	10K		
71-S102KT10K000TB	Y006210K0000T9L	10K		

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each	
			1	5
71-S102CT120R00TB	Y0007120R000T9L	120		
71-S102CT350R00TB	Y0007350R000T9L	350		
71-S102JT500R00TB	Y0785500R000T9L	500		
71-S102KT100K00TB	Y0062100K000T9L	100K		

WELWYN Metal Film Resistors

WELWYN EMC SERIES METAL FILM RESISTORS

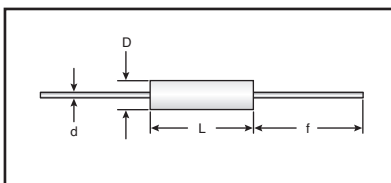
Features:

- UL 1412 recognized *
- Failsafe 240V mains fusing
- Good pulse handling capability
- Small size for power rating
- UL94-V0 flameproof protection



RoHS Compliant

*Values 22R and above. UL file number E234469.



Electrical Data		EMC2
Power Rating at 70°C	Watts	2
Resistance Range	Ohms	4R7-68R
TCR (25°C to 75°C)	ppm/°C	100
Isolation Voltage	Volts	500
Standard Values		E12
Thermal Impedance	°C/Watt	82
Ambient Temperature Range	°C	-55 to +155

EMC2 Series - Pulse Withstanding Fusible Flameproof Metal Film Resistors

DIMENSIONS: mm							Weight: g
Type	L Max.	D Max.	f Min.	d Nom.	PCB Mount Centres	Min. Bend Radius	Nom.
EMC2	10	4	27	0.8	18.4	1.2	0.55

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tolerance	Power Rating @ 70c (Watts)	Price Each			
					1	25	100	1000
756-EMC2-4R7K	EMC2-4R7K	4.7	10%	2				
756-EMC2-6R8K	EMC2-6R8K	6.8	10%	2				
756-EMC2-8R2K	EMC2-8R2K	8.2	10%	2				
756-EMC2-10R0K	EMC2-10R0K	10	10%	2				
756-EMC2-15R0K	EMC2-15R0K	15	10%	2				
756-EMC2-22R0K	EMC2-22R0K	22	10%	2				
756-EMC2-27R0K	EMC2-27R0K	27	10%	2				
756-EMC2-33R0K	EMC2-33R0K	33	10%	2				
756-EMC2-47R0K	EMC2-47R0K	47	10%	2				
756-EMC2-68R0K	EMC2-68R0K	68	10%	2				

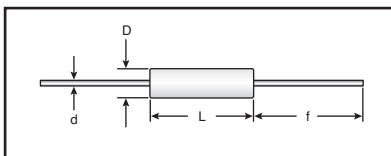
WELWYN PRECISION METAL FILM RESISTORS

Features:

- CECC released products with low
- TCRs over a wide resistance range
- Resistance tolerance down to 0.05%
- Express delivery available
- Low noise and negligible voltage coefficient
- Screened parts available for critical applications



RoHS Compliant



Electric Data

Commercial		RC5 5
Power rating at 70°C	watts	0.25
Resistance range	ohm	2R49 to 2M
Limiting element voltage	volts	350
Isolation voltage	volts	500
TCR (20 to +70°C) & codes	ppm/°C	5(V), 10(T), 15(Y), & 25(D)
Resistance tolerance	%	0.05(W), 0.1(B), & 0.25(C)

DIMENSIONS: mm							Weight: g
Type	L Max.	D Max.	f Min.	d Nom.	PCB Mount Centres	Min. Bend Radius	Nom.
RC55	7.2	2.5	30	0.6	10.2	0.6	0.24

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tol. (%)	Price Each				MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tol. (%)	Price Each			
				1	10	100	250					1	10	100	250
756-RC55Y-6K04BI	RC55Y-6K04BI	6.04	0.1					756-RC55Y-11K1BI	RC55Y-11K1BI	11K	0.1				
756-RC55Y-51R1BI	RC55Y-51R1BI	51.1	0.1					756-RC55Y-12K1BI	RC55Y-12K1BI	12.1K	0.1				
756-RC55Y-75RBI	RC55Y-75RBI	75	0.1					756-RC55Y-14KBI	RC55Y-14KBI	14K	0.1				
756-RC55Y-100RBI	RC55Y-100RBI	100	0.1					756-RC55Y-14K7BI	RC55Y-14K7BI	14.7K	0.1				
756-RC55Y-105RBI	RC55Y-105RBI	105	0.1					756-RC55Y-15KBI	RC55Y-15KBI	15K	0.1				
756-RC55Y-121RBI	RC55Y-121RBI	121	0.1					756-RC55Y-16K2BI	RC55Y-16K2BI	16.2K	0.1				
756-RC55Y-124RBI	RC55Y-124RBI	124	0.1					756-RC55Y-16K5BI	RC55Y-16K5BI	16.5K	0.1				
756-RC55Y-150RBI	RC55Y-150RBI	150	0.1					756-RC55Y-16K9BI	RC55Y-16K9BI	16.9K	0.1				
756-RC55Y-182RBI	RC55Y-182RBI	182	0.1					756-RC55Y-20KBI	RC55Y-20KBI	20K	0.1				
756-RC55Y-200RBI	RC55Y-200RBI	200	0.1					756-RC55Y-20K5BI	RC55Y-20K5BI	20.5K	0.1				
756-RC55Y-232RBI	RC55Y-232RBI	232	0.1					756-RC55Y-22K1BI	RC55Y-22K1BI	22.1K	0.1				
756-RC55Y-249RBI	RC55Y-249RBI	249	0.1					756-RC55Y-24K9BI	RC55Y-24K9BI	24.9K	0.1				
756-RC55Y-332RBI	RC55Y-332RBI	332	0.1					756-RC55Y-27K4BI	RC55Y-27K4BI	27.4K	0.1				
756-RC55Y-499RBI	RC55Y-499RBI	499	0.1					756-RC55Y-28KBI	RC55Y-28KBI	28K	0.1				
756-RC55Y-511RBI	RC55Y-511RBI	511	0.1					756-RC55Y-30K1BI	RC55Y-30K1BI	30.1K	0.1				
756-RC55Y-1K0BI	RC55Y-1K0BI	1K	0.1					756-RC55Y-33K2BI	RC55Y-33K2BI	33.2K	0.1				
756-RC55Y-1K02BI	RC55Y-1K02BI	1.02K	0.1					756-RC55Y-34KBI	RC55Y-34KBI	34K	0.1				
756-RC55Y-1K05BI	RC55Y-1K05BI	1.05K	0.1					756-RC55Y-39K2BI	RC55Y-39K2BI	39.2K	0.1				
756-RC55Y-1K1BI	RC55Y-1K1BI	1.1K	0.1					756-RC55Y-40K2BI	RC55Y-40K2BI	40.2K	0.1				
756-RC55Y-1K21BI	RC55Y-1K21BI	1.21K	0.1					756-RC55Y-47K5BI	RC55Y-47K5BI	47.5K	0.1				
756-RC55Y-1K24BI	RC55Y-1K24BI	1.24K	0.1					756-RC55Y-48K7BI	RC55Y-48K7BI	48.7K	0.1				
756-RC55Y-1K3BI	RC55Y-1K3BI	1.3K	0.1					756-RC55Y-49K9BI	RC55Y-49K9BI	49.9K	0.1				
756-RC55Y-1K4BI	RC55Y-1K4BI	1.4K	0.1					756-RC55Y-51K1BI	RC55Y-51K1BI	51.1K	0.1				
756-RC55Y-1K5BI	RC55Y-1K5BI	1.5K	0.1					756-RC55Y-59KBI	RC55Y-59KBI	59K	0.1				
756-RC55Y-1K82BI	RC55Y-1K82BI	1.82K	0.1					756-RC55Y-61K9BI	RC55Y-61K9BI	61.9K	0.1				
756-RC55Y-2K0BI	RC55Y-2K0BI	2K	0.1					756-RC55Y-75KBI	RC55Y-75KBI	75K	0.1				
756-RC55Y-2K21BI	RC55Y-2K21BI	2.21K	0.1					756-RC55Y-80K6BI	RC55Y-80K6BI	80.6K	0.1				
756-RC55Y-2K49BI	RC55Y-2K49BI	2.49K	0.1					756-RC55Y-82K5BI	RC55Y-82K5BI	82.5K	0.1				
756-RC55Y-2K67BI	RC55Y-2K67BI	2.67K	0.1					756-RC55Y-100KBI	RC55Y-100KBI	100K	0.1				
756-RC55Y-3K01BI	RC55Y-3K01BI	3.01K	0.1					756-RC55Y-121KBI	RC55Y-121KBI	121K	0.1				
756-RC55Y-3K16BI	RC55Y-3K16BI	3.16K	0.1					756-RC55Y-150KBI	RC55Y-150KBI	150K	0.1				
756-RC55Y-3K32BI	RC55Y-3K32BI	3.32K	0.1					756-RC55Y-200KBI	RC55Y-200KBI	200K	0.1				
756-RC55Y-3K65BI	RC55Y-3K65BI	3.65K	0.1					756-RC55Y-221KBI	RC55Y-221KBI	221K	0.1				
756-RC55Y-4K02BI	RC55Y-4K02BI	4.02K	0.1					756-RC55Y-237KBI	RC55Y-237KBI	237K	0.1				
756-RC55Y-4K32BI	RC55Y-4K32BI	4.32K	0.1					756-RC55Y-243KBI	RC55Y-243KBI	243K	0.1				
756-RC55Y-4K64BI	RC55Y-4K64BI	4.64K	0.1					756-RC55Y-249KBI	RC55Y-249KBI	249K	0.1				
756-RC55Y-4K75BI	RC55Y-4K75BI	4.75K	0.1					756-RC55Y-255KBI	RC55Y-255KBI	255K	0.1				
756-RC55Y-5K62BI	RC55Y-5K62BI	5.62K	0.1					756-RC55Y-301KBI	RC55Y-301KBI	301K	0.1				
756-RC55Y-5K11BI	RC55Y-5K11BI	5.11K	0.1					756-RC55Y-332KBI	RC55Y-332KBI	332K	0.1				
756-RC55Y-7K15BI	RC55Y-7K15BI	7.15K	0.1					756-RC55Y-392KBI	RC55Y-392KBI	392K	0.1				
756-RC55Y-7K5BI	RC55Y-7K5BI	7.5K	0.1					756-RC55Y-432KBI	RC55Y-432KBI	432K	0.1				
756-RC55Y-8K25BI	RC55Y-8K25BI	8.25K	0.1					756-RC55Y-475KBI	RC55Y-475KBI	475K	0.1				
756-RC55Y-9K09BI	RC55Y-9K09BI	9.09K	0.1					756-RC55Y-562KBI	RC55Y-562KBI	562K	0.1				
756-RC55Y-9K76BI	RC55Y-9K76BI	9.76K	0.1					756-RC55Y-681KBI	RC55Y-681KBI	681K	0.1				
756-RC55Y-10KBI	RC55Y-10KBI	10K	0.1					756-RC55Y-750KBI	RC55Y-750KBI	750K	0.1				
756-RC55Y-10K2BI	RC55Y-10K2BI	10.2K	0.1					756-RC55Y-909KBI	RC55Y-909KBI	909K	0.1				
756-RC55Y-10K7BI	RC55Y-10K7BI	10.7K	0.1					756-RC55Y-1M0BI	RC55Y-1M0BI	1M	0.1				

YAGEO Resistors



Innovative Service Around the Globe.

CFR SERIES CARBON FILM RESISTORS 5% - 1/6W, 1/4W, 1/2W



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	D x L (mm)	Price Each		
				1	100	1000
1/6 Watt						
603-CFR-12JR-52470R	CFR-12JR-52-470R	470	1.9x3.4			
603-CFR-12JR-521K	CFR-12JR-52-1K	1K	1.9x3.4			
603-CFR-12JR-524K7	CFR-12JR-52-4K7	4.7K	1.9x3.4			
603-CFR-12JR-5210K	CFR-12JR-52-10K	10K	1.9x3.4			
603-CFR-12JR-52100K	CFR-12JR-52-100K	100K	1.9x3.4			
603-CFR-12JR-52-1M	CFR-12JR-52-1M	1M	1.9x3.4			

1/4 Watt						
603-CFR-25JR-52-4R7	CFR-25JR-52-4R7	4.7	2.4x6.3			
603-CFR-25JR-5210R	CFR-25JR-52-10R	10	2.4x6.3			
603-CFR-25JR-52-22R	CFR-25JR-52-22R	22	2.4x6.3			
603-CFR-25JR-5247R	CFR-25JR-52-47R	47	2.4x6.3			
603-CFR-25JR-52-56R	CFR-25JR-52-56R	56	2.4x6.3			
603-CFR-25JR-52-75R	CFR-25JR-52-75R	75	2.4x6.3			
603-CFR-25JR-52-82R	CFR-25JR-52-82R	82	2.4x6.3			
603-CFR-25JR-52-91R	CFR-25JR-52-91R	91	2.4x6.3			
603-CFR-25JR-52100R	CFR-25JR-52-100R	100	2.4x6.3			
603-CFR-25JR-52-120R	CFR-25JR-52-120R	120	2.4x6.3			
603-CFR-25JR-52150R	CFR-25JR-52-150R	150	2.4x6.3			
603-CFR-25JR-52-200R	CFR-25JR-52-200R	200	2.4x6.3			
603-CFR-25JR-52220R	CFR-25JR-52-220R	220	2.4x6.3			
603-CFR-25JR-52-240R	CFR-25JR-52-240R	240	2.4x6.3			
603-CFR-25JR-52-270R	CFR-25JR-52-270R	270	2.4x6.3			
603-CFR-25JR-52330R	CFR-25JR-52-330R	330	2.4x6.3			
603-CFR-25JR-52390R	CFR-25JR-52-390R	390	2.4x6.3			
603-CFR-25JR-52470R	CFR-25JR-52-470R	470	2.4x6.3			
603-CFR-25JR-52-510R	CFR-25JR-52-510R	510	2.4x6.3			
603-CFR-25JR-52-680R	CFR-25JR-52-680R	680	2.4x6.3			
603-CFR-25JR-52-820R	CFR-25JR-52-820R	820	2.4x6.3			
603-CFR-25JR-521K	CFR-25JR-52-1K	1K	2.4x6.3			
603-CFR-25JR-521K2	CFR-25JR-52-1K2	1.2K	2.4x6.3			
603-CFR-25JR-52-1K5	CFR-25JR-52-1K5	1.5K	2.4x6.3			
603-CFR-25JR-521K8	CFR-25JR-52-1K8	1.8K	2.4x6.3			
603-CFR-25JR-522K	CFR-25JR-52-2K	2K	2.4x6.3			
603-CFR-25JR-522K2	CFR-25JR-52-2K2	2.2K	2.4x6.3			
603-CFR-25JR-522K7	CFR-25JR-52-2K7	2.7K	2.4x6.3			
603-CFR-25JR-52-3K	CFR-25JR-52-3K	3K	2.4x6.3			
603-CFR-25JR-523K3	CFR-25JR-52-3K3	3.3K	2.4x6.3			
603-CFR-25JR-523K9	CFR-25JR-52-3K9	3.9K	2.4x6.3			
603-CFR-25JR-524K7	CFR-25JR-52-4K7	4.7K	2.4x6.3			
603-CFR-25JR-525K1	CFR-25JR-52-5K1	5.1K	2.4x6.3			
603-CFR-25JR-525K6	CFR-25JR-52-5K6	5.6K	2.4x6.3			
603-CFR-25JR-52-6K8	CFR-25JR-52-6K8	6.8K	2.4x6.3			
603-CFR-25JR-52-8K2	CFR-25JR-52-8K2	8.2K	2.4x6.3			
603-CFR-25JR-5210K	CFR-25JR-52-10K	10K	2.4x6.3			
603-CFR-25JR-5215K	CFR-25JR-52-15K	15K	2.4x6.3			
603-CFR-25JR-5222K	CFR-25JR-52-22K	22K	2.4x6.3			
603-CFR-25JR-52-33K	CFR-25JR-52-33K	33K	2.4x6.3			
603-CFR-25JR-5247K	CFR-25JR-52-47K	47K	2.4x6.3			
603-CFR-25JR-5256K	CFR-25JR-52-56K	56K	2.4x6.3			
603-CFR-25JR-52-68K	CFR-25JR-52-68K	68K	2.4x6.3			
603-CFR-25JR-52100K	CFR-25JR-52-100K	100K	2.4x6.3			
603-CFR-25JR-52-120K	CFR-25JR-52-120K	120K	2.4x6.3			
603-CFR-25JR-52150K	CFR-25JR-52-150K	150K	2.4x6.3			
603-CFR-25JR-52220K	CFR-25JR-52-220K	220K	2.4x6.3			
603-CFR-25JR-521M	CFR-25JR-52-1M	1M	2.4x6.3			
603-CFR-25JR-524M7	CFR-25JR-52-4M7	4.7M	2.4x6.3			
603-CFR-25JR-5210M	CFR-25JR-52-10M	10M	2.4x6.3			

1/2 Watt						
603-CFR-50JR-52-100R	CFR-50JR-52-100R	100	3.3x9.0			
603-CFR-50JR-52-120R	CFR-50JR-52-120R	120	3.3x9.0			
603-CFR-50JR-52-220R	CFR-50JR-52-220R	220	3.3x9.0			
603-CFR-50JR-52330R	CFR-50JR-52-330R	330	3.3x9.0			
603-CFR-50JR-52470R	CFR-50JR-52-470R	470	3.3x9.0			
603-CFR-50JR-52-680R	CFR-50JR-52-680R	680	3.3x9.0			
603-CFR-50JR-521K	CFR-50JR-52-1K	1K	3.3x9.0			
603-CFR-50JR-522K2	CFR-50JR-52-2K2	2.2K	3.3x9.0			
603-CFR-50JR-52-3K9	CFR-50JR-52-3K9	3.9K	3.3x9.0			
603-CFR-50JR-52-10K	CFR-50JR-52-10K	10K	3.3x9.0			

KNP SERIES 5% WIREWOUND RESISTORS 1W, 2W

1 Watt						
603-KNP100JR-73-0R1	KNP100JR-73-0R1	0.1	4.5x11.5			
603-KNP100JR-73-2R2	KNP100JR-73-2R2	2.2	4.5x11.5			
603-KNP100JR-73-4R7	KNP100JR-73-4R7	4.7	4.5x11.5			
603-KNP100JR-73-10R	KNP100JR-73-10R	10	4.5x11.5			
603-KNP100JR-73-22R	KNP100JR-73-22R	22	4.5x11.5			
603-KNP100JR-73-47R	KNP100JR-73-47R	47	4.5x11.5			
603-KNP100JR-73-100R	KNP100JR-73-100R	100	4.5x11.5			
1 Watt Miniature Style						
603-KNP1WSJT-52-2R2	KNP1WSJT-52-2R2	2.2	3.3x9.0			
603-KNP1WSJT-52-4R7	KNP1WSJT-52-4R7	4.7	3.3x9.0			
603-KNP1WSJT-52-10R	KNP1WSJT-52-10R	10	3.3x9.0			
603-KNP1WSJT-52-22R	KNP1WSJT-52-22R	22	3.3x9.0			
603-KNP1WSJT-52-47R	KNP1WSJT-52-47R	47	3.3x9.0			
603-KNP1WSJT-52-100R	KNP1WSJT-52-100R	100	3.3x9.0			

KNP SERIES 5% WIREWOUND RESISTORS 1W, 2W (CONT.)

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	D x L (mm)	Price Each		
				1	100	1000
2 Watt						
603-KNP2WSJR-73-0R1	KNP2WSJR-73-0R1	0.1	4.5x11.5			
603-KNP2WSJR-73-2R2	KNP2WSJR-73-2R2	2.2	4.5x11.5			
603-KNP2WSJR-73-4R7	KNP2WSJR-73-4R7	4.7	4.5x11.5			
603-KNP2WSJR-73-10R	KNP2WSJR-73-10R	10	4.5x11.5			
603-KNP2WSJR-7322R	KNP2WSJR-73-22R	22	4.5x11.5			
603-KNP2WSJR-73-47R	KNP2WSJR-73-47R	47	4.5x11.5			
603-KNP2WSJR-73-100R	KNP2WSJR-73-100R	100	4.5x11.5			

RSF SERIES 5% METAL OXIDE FILM RESISTORS 1W FLAME PROOF TYPE

603-RSF200JB-73-10R	RSF200JB-73-10R	10	5.0x15.5			
603-RSF100JB-73-24R	RSF100JB-73-24R	24	4.5x11.5			

FMP SERIES 5% METAL FILM HIGH POWER RESISTORS 1W, 2W ULTRA MINIATURE STYLE



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	D x L (mm)	Price Each		
				1	100	1000
1 Watt						
603-FMP100JR-52-470K	FMP100JR-52-470K	470K	2.4x6.3			
2 Watt						
603-FMP200JR-52-1K2	FMP200JR-52-1K2	1.2K	3.9x9.0			

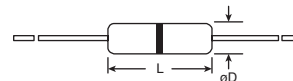
MFR SERIES 1% WIREWOUND RESISTORS 1/4W

603-MFR-25FRF5210R	MFR-25FRF52-10R	10	2.4x6.3			
603-MFR-25FRF52-30R1	MFR-25FRF52-30R1	30.1	2.4x6.3			
603-MFR-25BRD52-100R	MFR-25BRD52-100R	100	2.4x6.3			
603-MFR-25FRF52100R	MFR-25FRF52-100R	100	2.4x6.3			
603-MFR-25FRF52-200R	MFR-25FRF52-200R	200	2.4x6.3			
603-MFR-25FRF52-249R	MFR-25FRF52-249R	249	2.4x6.3			
603-MFR-25FRF52332R	MFR-25FRF52-332R	332	2.4x6.3			
603-MFR-25FRF52475R	MFR-25FRF52-475R	475	2.4x6.3			
603-MFR-25FRF52499R	MFR-25FRF52-499R	499	2.4x6.3			
603-MFR-25FRF521K	MFR-25FRF52-1K	1K	2.4x6.3			
603-MFR-25FRF521K5	MFR-25FRF52-1K5	1.5K	2.4x6.3			
603-MFR-25FRF522K	MFR-25FRF52-2K	2K	2.4x6.3			
603-MFR-25FRF522K21	MFR-25FRF52-2K21	2.21K	2.4x6.3			
603-MFR-25FRF523K01	MFR-25FRF52-3K01	3.01K	2.4x6.3			
603-MFR-25FRF52-3K32	MFR-25FRF52-3K32	3.32K	2.4x6.3			
603-MFR-25FRF524K75	MFR-25FRF52-4K75	4.75K	2.4x6.3			
603-MFR-25FRF524K99	MFR-25FRF52-4K99	4.99K	2.4x6.3			
603-MFR-25FRF5210K	MFR-25FRF52-10K	10K	2.4x6.3			
603-MFR-25FRF5215K	MFR-25FRF52-15K	15K	2.4x6.3			
603-MFR-25FRF52-15K4	MFR-25FRF52-15K4	15.4K	2.4x6.3			
603-MFR-25FRF5220K	MFR-25FRF52-20K	20K	2.4x6.3			
603-MFR-25FRF5230K1	MFR-25FRF52-30K1	30.1K	2.4x6.3			
603-MFR-25FRF52-68K1	MFR-25FRF52-68K1	68.1K	2.4x6.3			
603-MFR-25FRF52-97K6	MFR-25FRF52-97K6	97.6K	2.4x6.3			
603-MFR-25FRF52100K	MFR-25FRF52-100K	100K	2.4x6.3			
603-MFR-25FRF52499K	MFR-25FRF52-499K	499K	2.4x6.3			
603-MFR-25FRF521M	MFR-25FRF52-1M	1M	2.4x6.3			

PNP SERIES 5% WIREWOUND HIGH POWER RESISTORS 3W ULTRA MINIATURE STYLE

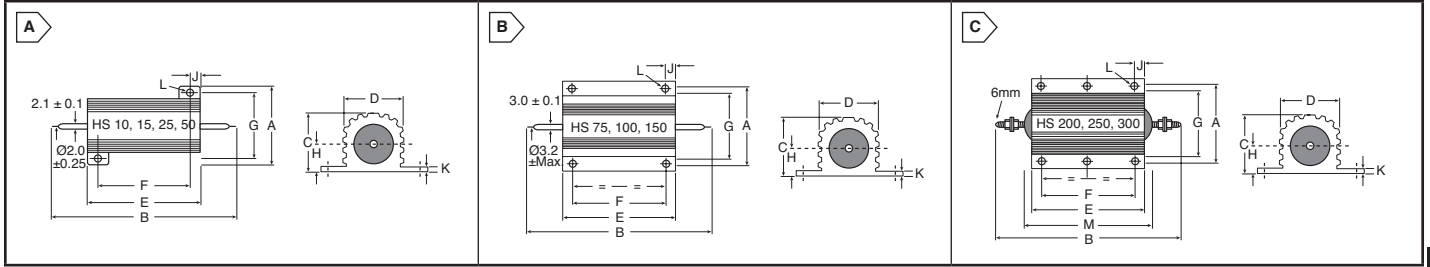
603-PNP300JR-73-4R7	PNP300JR-73-4R7	4.71	4.5x11.5			
603-PNP300JR-73-10R	PNP300JR-73-10R	10	4.5x11.5			
603-PNP300JR-73-100R	PNP300JR-73-100R	100	4.5x11.5			
603-PNP300JR-73-2K2	PNP300JR-73-2K2	2.2K	4.5x11.5			

ZOR SERIES ZERO OHM RESISTORS 1/6W, 1/4W



For quantities greater than listed, call for quote.

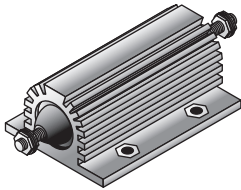
MOUSER STOCK NO.	Yageo Part No.	Value (Ω)	D x L (mm)
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ARCOL ALUMINUM HOUSED WIREWOUND POWER RESISTORS - 10W TO 300W

† 200 ~ 300 Watts is ± 4.5

Arcol Type	Fig.	DIMENSIONS: mm											
		A Max.	B Max.	C Max.	D Max.	E Max.	F ± 0.3	G ± 0.3	H Max.	J Max.	K Max.	L ± 0.25 †	M Max.
HS10	A	16.5	30.0	8.8	8.5	15.9	11.3	12.4	4.5	2.4	1.8	2.4	---
HS15	A	21.0	36.5	11.0	11.2	19.9	14.3	15.9	5.5	2.8	1.8	2.4	---
HS25	A	28.0	51.0	14.6	14.0	27.3	18.3	19.8	7.3	4.7	2.6	3.2	---
HS50	A	29.7	72.5	14.8	14.2	49.1	39.7	21.4	8.5	5.2	2.6	3.2	---
HS75	B	47.5	72.0	24.1	27.3	48.7	29.0	37.0	11.8	10.4	3.7	4.4	---
HS100	B	47.5	88.0	24.1	27.3	65.2	35.0	37.0	11.8	15.4	3.7	4.4	---
HS150	B	47.5	121.0	24.1	27.3	97.7	58.0	37.0	11.8	20.4	3.7	4.4	---
HS200	C	72.5	145.7	41.8	45.5	89.7	70.0	57.2	20.0	10.4	5.5	5.1	103.4
HS250	C	72.5	167.0	41.8	45.5	109.7	89.0	57.2	20.0	10.4	5.5	5.1	122.4
HS300	C	72.5	184.4	41.8	45.5	127.7	104.0	59.0	20.0	10.4	5.5	6.6	141.4



Inductive Series

- Tolerance: 1% (1Ω or higher); 5% (less than 1Ω)



LEAD-FREE RoHS Compliant

For quantities greater than listed, call for quote.

0.1	0.68	4.0	22	68	470	3.3K
0.15	0.82	4.7	25	75	500	4.7K
0.22	1.0	5.0	27	100	560	5K
0.27	1.5	8.0	30	120	680	10K
0.33	2.0	7.5	33	150	1K	20K
0.47	2.2	10	40	200	1.5K	25K
0.5	2.7	15	47	220	2K	50K
0.51	3.0	16	50	250	2.2K	
0.56	3.3	20	56	330	3K	

Features:

- Anodized aluminum housing ensures good humidity seal
- Designed for chassis or heat-sink mounting for maximum heat dissipation
- Terminations are silver plated
- Solder, cable, threaded, or fast-on terminations
- High level voltage protection
- Standard terminations: 10-150 watt solder terminations; 200-300 watt threaded terminations
- Non-standard ohmic values available

Specifications:

- Insulation resistance: 10GΩ
- Dielectric strength: 1000VAC peak (10-15W); 2500VAC (25-50W); 5000VAC (100-300W)
- Resistant element: copper-nickel alloy, or nickel chrome alloy
- Housing: anodized aluminum
- Core material: ceramic steatite
- Low inductance and special terminations available
- NHS - Low inductance series
- ISO 9001 (1994)
- Transfer molding process insures a good humidity seal and permanent compression fit of the concentric resistive element

Heat Dissipation:

While the use of proprietary heat sinks with lower thermal resistance is acceptable, uprating is not recommended. For maximum heat transfer it is recommended that a heat sink compound be applied between the resistor base and heat sink/chassis mounting surface. It is essential that the maximum hot spot temperature of 200°C is not exceeded and therefore the resistor must be mounted on a heat sink of correct thermal resistance for the power being dissipated.

Maximum Overload:

Please consult the factory for assistance concerning your particular overload application.

MOUSER STOCK NO.	Fig.	Wattage Rating (Heat Sink Mounted)	Stocked Values (Ω)	Price Each			
				1	10	25	50
284-HS10-Value	A	10 Watt 5%	0.1-0.82				
284-HS10-(Value)F	A	10 Watt 1%	1.0-5K				
284-HS15-Value	A	15 Watt 5%	0.1-0.82				
284-HS15-(Value)F	A	15 Watt 1%	1.0-2K 3K-5K				
284-HS25-Value	A	25 Watt 5%	0.1-0.82				
284-HS25-(Value)F	A	25 Watt 1%	1.0-2K 3K-25K				
284-HS50-Value	A	50 Watt 5%	0.1-0.82				
284-HS50-(Value)F	A	50 Watt 1%	1.0-5K 10K-50K				
284-HS75-Value	B	75 Watt 5%	0.1, 0.47, 0.5				
284-HS75-(Value)F	B	75 Watt 1%	1.0-220 330-1K				
284-HS100-Value	B	100 Watt 5%	0.1-0.82				
284-HS100-(Value)F	B	100 Watt 1%	1.0-330 470-50K				
284-HS150-Value	B	150 Watt 5%	0.1, 0.47, 0.5				
284-HS150-(Value)F	B	150 Watt 1%	1.0-680 1K				
284-HS200-(Value)F	C	200 Watt 1%	1.0-680 1K-5K 10K				
284-HS250-(Value)F	C	250 Watt 1%	1.0-680 1K-10K				
284-HS300-(Value)F	C	300 Watt 1%	1.0-1K 1.5K-10K				

Non-Inductive Series

- Tolerance: 1% (1Ω or higher); 5% (less than 1Ω)



LEAD-FREE RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Wattage Rating (Heat Sink Mounted)	Stocked Values (Ω)	Price Each			
				1	10	25	50
284-NHS100-(Value)F	C	100 Watt 1%	2.0, 4.0, 8.0, 16, 50				
284-NHS200-(Value)F	C	200 Watt 1%	2.0, 4.0, 8.0, 16, 50				
284-NHS300-(Value)F	C	300 Watt 1%	2.0, 4.0, 8.0, 16, 50				

ARCOL CURRENT SENSE CHIP RESISTORS - 8 WATT

Features:

- 8 Watt power rating
- Non-inductive design
- Low profile surface mount package
- Excellent pulse/surge performance

Specifications:

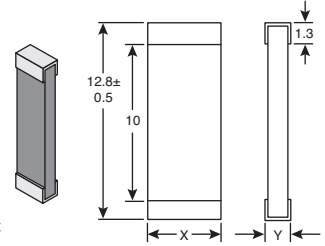
- Power Dissipation: 8 Watts (with 700 micron PCB thermal pad)
- Values: .0005, .001, .002, .005 Ohms
- Operating Temperature: -55°C to 175°C
- Tolerance: ± 1%
- Marking: 3 digits of resistance value and tolerance code F (1%)
- TCR: ± 50ppm/°C (Measured ± 30ppm/°C)
- Current: 90A (at 1MO), Max. Current: 126A (2.5 sec one time)
- Series Inductance: 5nH

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arcol Part No.	Value (Ω)	Price Each			
			1	25	50	100
284-AP5025.0005F	AP5025 R0005 F	.0005				
284-AP5025.001F	AP5025 R001 F	.001				
284-AP5025.002F	AP5025 R002 F	.002				

DIMENSIONS: mm

Part No.	X	Y
AP5025 R0005F	7.8	2.5
AP5025 R001F	4.5	1.5
AP5025 R002F	4.5	1.5



ARCOL FPA SERIES - THICK FILM POWER RESISTORS

100 Watt

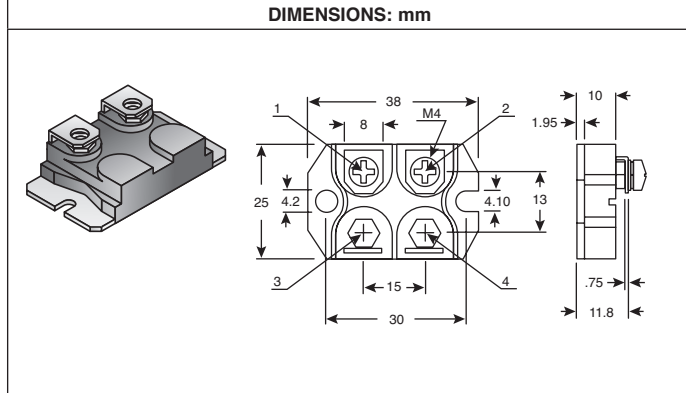
Features:

- ISOTOP/SOT227 semiconductor style package
- 100W dissipation in a small footprint
- Very low inductance
- Direct heatsink mounting - 0.85°C/W
- Due to a Non-Inductive design these elements are ideally suited for high frequency and pulse load applications

Specifications:

- TCR: 250ppm
- Power rating at 25°C: 100W
- Max working voltage: 1kV
- Working temperature range: -55°C to +155°C
- Non-Heatsink mounted rating: 2.5W

DIMENSIONS: mm



Value Table

2.0	6.8	22	100	470	3.3K
2.2	8.0	33	150	680	4.7K
3.3	10	47	220	1K	6.8K
4.0	15	50	300	1.5K	10K
4.7	16	68	330	2.2K	22K



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Price Each			
	1	10	25	50
284-FPA100-Value				



250 Watt

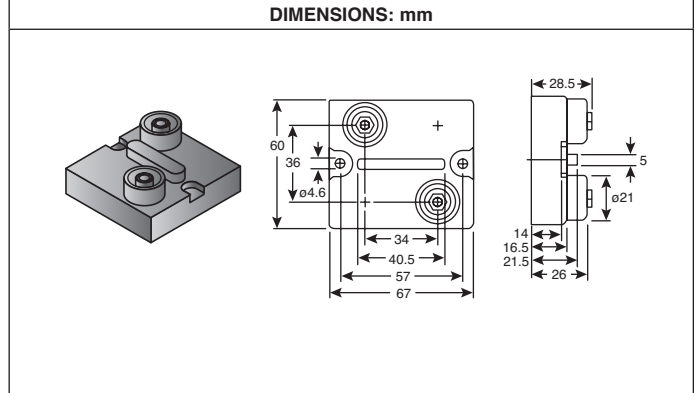
Features:

- High Power/Volume Ratio
- Direct heat sink mounting
- Due to a Non-Inductive design these elements are ideally suited for high frequency applications

Specifications:

- Power rating: 250W (heat sink at 100°C)
- Temperature coefficient: 100ppm/°C
- Max working voltage: 5000V
- Working temperature: -55°C to +155°C
- Dielectric strength: 7000V/12kV

DIMENSIONS: mm



Value Table

1.0	4.0	10.0	50.0	470.0
2.2	4.7	22.0	100.0	1K
3.3	5.0	47.0	330.0	10K



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Price Each			
	1	10	25	50
284-FPA250-Value				



ARCOL ACS SERIES - AXIAL SILICON COATED RESISTORS - 5 WATT (3 WATT PACKAGE)

Features:

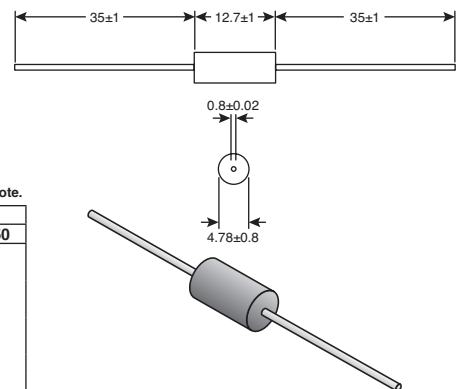
- 5 watt resistor is the size of a generic 3 watt resistor
- Inductive type resistors
- Tape and Reel: 1000 per Reel

Specifications:

- Resistance tolerance: < 1Ω (10%)
1Ω and > (5%)
- Temperature range: -55°C to +350°C
- Temperature coefficient: < 1Ω (90ppm/°C)
1Ω to 10Ω (50ppm/°C)
> 10Ω (20ppm/°C)
- Insulation resistance: 1000MΩ Min.
- Dielectric withstand voltage: 500VAC



DIMENSIONS: mm



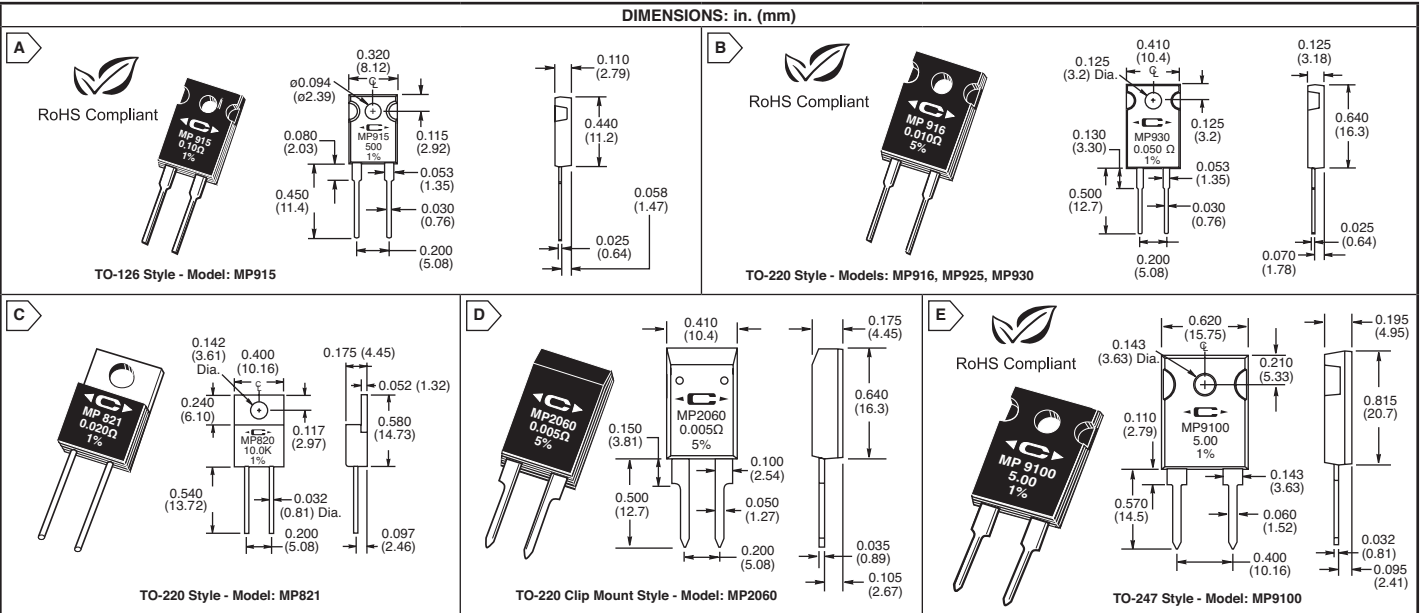
Value Table

0.1	0.6	3.9	47	470	4.7K
0.12	0.68	4.7	56	560	5.6K
0.15	0.7	5.6	68	680	6.8K
0.2	0.8	6.8	82	820	8.2K
0.22	0.82	8.2	100	1K	10K
0.3	0.9	10	120	1.2K	12K
0.33	1.0	12	150	1.5K	15K
0.39	1.2	15	180	1.8K	18K
0.4	1.5	18	220	2.2K	22K
0.47	2.2	22	270	2.7K	
0.5	2.7	27	330	3.3K	
0.56	3.3	33	390	3.9K	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ranges of Values	Price Each			
		1	25	100	250
284-ACS5SW-Value	0.1 - 0.9				
284-ACS5SW-Value	1 - 8.2				
284-ACS5SW-Value	10 - 82				
284-ACS5SW-Value	100 - 820				
284-ACS5SW-Value	1K - 2.7K				
284-ACS5SW-Value	3.3K - 6.8K				
284-ACS5SW-Value	8.2K - 12K				
284-ACS5SW-Value	15K - 22K				

DIMENSIONS: in. (mm)



Power Resistors Caddock

MP SERIES

Non-Inductive, Heat Sink Mount TO-126, TO-220 and TO-247 Packages

Features:

- Non-Inductive Design, Ideal for Power Switching Circuits, Snubbers, RF Applications: 50Ω performance up to 500MHz
- Values as low as 0.005Ω ideal for Current Sensing in Power Supplies, Motor Controls, and Battery Charging Circuits
- Resistor Element Electrically Isolated from the Ceramic Heat Dissipating Mounting Surface (1500V ACrms)
- 1% Tolerance for most resistance values

*** Power Ratings are based on +25°C Case Temp.:**

The case temp. is used to establish the max. applied power, see Derating Curve. The case temp. measurement is made with a thermocouple contacting the bottom mounting surface of the package (center of heat dissipating ceramic), the device mounted on the heat sink with thermal grease. See Mounting Note.

Without a Heat Sink:

When in free air at +25°C the MP Series have the following power ratings:
MP915: 1.25W MP916, MP925, MP930: 2.25W; MP2060: 2.5W MP9100: 3.5W

Mounting Note:

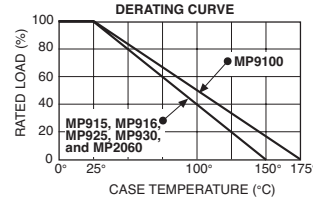
Mount on a smooth, clean, and flat heat sink surface with a thermal interface material such as thermal grease. The entire exposed ceramic area must be in contact with the heat sink. For additional technical information please refer to the Caddock Applications Notes for the MP Series available online at www.caddock.com.

Screw Mounting:

The use of a compression washer (Belleville type) is recommended. The compression washer must provide a force of 150 to 300lbs. Recommended mounting torque is 6in-lbs. Maximum mounting torque to avoid damage to the package is 8in-lbs.

Clip Mounting:

Recommended Clip Force is 8 to 35lbs applied to the center of the package. The clip should be smooth to avoid any point concentrations of pressure.



0.005	0.2	10	100	5K
0.01	0.5	20	200	10K
0.02	1	25	500	20K
0.05	2	50	1K	50K
0.1	5	75	2K	100K

Temperature Coefficient:

MP915, MP916, MP925, MP930:

- ΔR taken at +150°C, ref to +25°C
0.50Ω to 100K: -20 to +80ppm/°C
0.050Ω to 0.49Ω: 0 to +200ppm/°C
0.020Ω to 0.049Ω: 0 to +300ppm/°C
0.010Ω to 0.019Ω: 0 to +500ppm/°C

MP2060:

- ΔR taken at +150°C, ref to +25°C
0.50Ω to 100K: -20 to +80ppm/°C
0.050Ω to 0.49Ω: 0 to +100ppm/°C
0.015Ω to 0.049Ω: 0 to +200ppm/°C
0.005Ω to 0.014Ω: 0 to +300ppm/°C

MP821, MP820:

- ΔR taken at +175°C, ref to +25°C
5.00Ω to 10K: -20 to +50ppm/°C
0.50Ω to 4.99Ω: -20 to +80ppm/°C
0.050Ω to 0.49Ω: 0 to +200ppm/°C
0.020Ω to 0.049Ω: 0 to +300ppm/°C

MP9100:

- ΔR taken at +175°C, ref to +25°C
0.50Ω to 100Ω: -20 to +80ppm/°C
0.050Ω to 0.49Ω: 0 to +150ppm/°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Caddock Part No.	Case Style	Fig.	Power* Rating	Thermal Res. (Film to Case)	Max. Operating Voltage ACrms	Ohm Range (See Table of Stocked Values)	Tol.	Price Each			
									1	10	25	50
684-MP915-Value	MP915-Value-Tol.	TO-126	A	15W	8.33°C/W	Power Limited	0.02	5%				
		TO-126	A	15W	8.33°C/W	Power Limited	0.05	1%				
		TO-126	A	15W	8.33°C/W	Power Limited	0.1 to 0.5	1%				
		TO-126	A	15W	8.33°C/W	200V	1 to 5	1%				
		TO-126	A	15W	8.33°C/W	200V	10 to 1K	1%				
684-MP916-Value	MP916-Value-Tol.	TO-220	B	16W	7.81°C/W	Power Limited	0.01	5%				
684-MP821-Value	MP821-Value-Tol.	TO-220	C	20W	7.5°C/W	Power Limited	0.02 to 0.05	1%				
		TO-220	C	20W	7.5°C/W	Power Limited	0.1 to 0.5	1%				
		TO-220	C	20W	7.5°C/W	300V	1.0 to 5	1%				
684-MP820-Value	MP820-Value-Tol.	TO-220	C	20W	7.5°C/W	300V	10 to 10K	1%				
684-MP850-Value	MP850-Value-Tol.	TO-220	B	50W	2.5°C/W	300	0.50	1%				
684-MP850-Value	MP850-Value-Tol.	TO-220	B	50W	2.5°C/W	300	2 to 5	1%				
684-MP850-Value	MP850-Value-Tol.	TO-220	B	50W	2.5°C/W	300	10 to 1K	1%				
684-MP925-Value	MP925-Value-Tol.	TO-220	B	25W	5.0°C/W	500V	5K to 100K	1%				
684-MP930-Value	MP930-Value-Tol.	TO-220	B	30W	4.17°C/W	Power Limited	0.02	5%				
		TO-220	B	30W	4.17°C/W	Power Limited	0.05	1%				
		TO-220	B	30W	4.17°C/W	Power Limited	0.1 to 0.5	1%				
		TO-220	B	30W	4.17°C/W	250V	1 to 5	1%				
		TO-220	B	30W	4.17°C/W	250V	10 to 2K	1%				
684-MP2060-Value	MP2060-Value-Tol.	TO-220 Clip	D	18W	6.94°C/W	Power Limited	0.005	5%				
		TO-220 Clip	D	36W	3.47°C/W	Power Limited	0.01	2%				
		TO-220 Clip	D	60W	2.08°C/W	Power Limited	0.02 to 0.05	1%				
		TO-220 Clip	D	60W	2.08°C/W	Power Limited	0.1 to 0.5	1%				
		TO-220 Clip	D	60W	2.08°C/W	250V	1 to 5	1%				
		TO-220 Clip	D	60W	2.08°C/W	250V	10 to 1K	1%				
684-MP9100-Value	MP9100-Value-Tol.	TO-247	E	100W	1.50°C/W	Power Limited	0.05	1%				
		TO-247	E	100W	1.50°C/W	Power Limited	0.1 to 0.5	1%				
		TO-247	E	100W	1.50°C/W	Power Limited	1 to 5	1%				
		TO-247	E	100W	1.50°C/W	Power Limited	10 to 20	1%				
		TO-247	E	100W	1.50°C/W	Power Limited	25 to 100	1%				

OHMITE Power Resistors



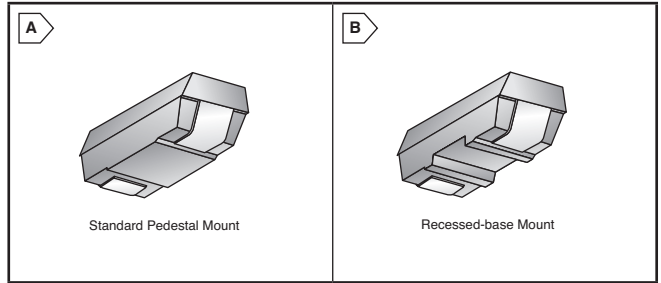
OHMITE RW SERIES 5% SMD WIREWOUND POWER RESISTORS - 1, 1.5, 2 AND 3.5 WATT

These low value surface mount power resistors are ideal for current sensing applications and reduce the amount of space required by traditional power resistors. They offer higher power levels than conventional chip resistors. The body is molded with UL94V0 material rated at 205°C continuous. Flexible J-bend terminations reduce solder joint breakage due to thermal expansion and vibration.

Specifications:

- Tolerance: 5%
- Dielectric strength: 1000V
- Flexible J-bend terminations
- Temperature Coefficient: ±90ppm/°C

Wattage	DIMENSIONS: in.		
	L	H	W
1	.246	.136	.136
1.5	.394	.159	.159
2	.407	.222	.226
3	.625	.226	.273
3.5	.811	.273	.273



Power Resistors

Ohmite

MOUSER STOCK NO. (Bulk)	Ohmite Part No.	Fig.	Value (Ω)	Maximum Voltage (V)	Price Each				MOUSER STOCK NO. (Reel)	Reel Qty	Price Per Piece
					1	50	100	250			
0.6 Watt											
588-RW0S6BBR010FE	RW0S6BBR010FE	A	0.010	50					588-RW0S6BBR010FET	2500	
588-RW0S6BBR020FE	RW0S6BBR020FE	A	0.020	50					588-RW0S6BBR020FET	2500	
588-RW0S6BBR030FE	RW0S6BBR030FE	A	0.030	50					-----	-	-
588-RW0S6BBR050FE	RW0S6BBR050FE	A	0.050	50					-----	-	-
588-RW0S6BBR100FE	RW0S6BBR100FE	A	0.100	50					588-RW0S6BBR100FET	2500	
588-RW0S6BBR470FE	RW0S6BBR470FE	A	0.470	50					-----	-	-
588-RW0S6BBR750FE	RW0S6BBR750FE	A	0.750	50					-----	-	-
588-RW0S6BB1R00FE	RW0S6BB1R00FE	A	1.000	50					588-RW0S6BB1R00FET	2500	
588-RW0S6BB2R00FE	RW0S6BB2R00FE	A	2.000	50					588-RW0S6BB2R00FET	2500	
588-RW0S6BB5R00FE	RW0S6BB5R00FE	A	5.000	50					588-RW0S6BB5R00FET	2500	
588-RW0S6BB10R0FE	RW0S6BB10R0FE	A	10.000	50					588-RW0S6BB10R0FET	2500	
1 Watt											
588-RW1S0BAR010JE	RW1S0BAR010JE	A	0.010	50					588-RW1S0BAR010JET	2000	
588-RW1S0BAR025JE	RW1S0BAR025JE	A	0.025	50					588-RW1S0BAR025JET	2000	
588-RW1S0BAR050JE	RW1S0BAR050JE	A	0.050	50					-----	2000	-
588-RW1S0BAR100JE	RW1S0BAR100JE	A	0.100	50					588-RW1S0BAR100JET	2000	
588-RW1S0BAR300JE	RW1S0BAR300JE	A	0.300	50					-----	-	-
588-RW1S0BAR470JE	RW1S0BAR470JE	A	0.470	50					588-RW1S0BAR470JET	2000	
588-RW1S0BA1R00JE	RW1S0BA1R00JE	A	1.000	50					-----	-	-
1.5 Watts											
588-RW1S5CAR005JE	RW1S5CAR005JE	A	0.005	75					588-RW1S5CAR005JET	1500	
588-RW1S5CAR010JE	RW1S5CAR010JE	A	0.010	75					-----	-	-
588-RW1S5CAR100JE	RW1S5CAR100JE	A	0.100	75					-----	-	-
588-RW1S5CAR150JE	RW1S5CAR150JE	A	0.150	75					588-RW1S5CAR150JET	1500	
588-RW1S5CA1R00JE	RW1S5CA1R00JE	A	1.000	75					-----	-	-
2 Watts											
588-RW2S0CBR005JE	RW2S0CBR005JE	A	0.005	100					588-RW2S0CBR005JET	1000	
588-RW2S0CBR010JE	RW2S0CBR010JE	A	0.010	100					588-RW2S0CBR010JET	1000	
588-RW2S0CBR020JE	RW2S0CBR020JE	A	0.020	100					588-RW2S0CBR020JET	1000	
588-RW2S0CBR050JE	RW2S0CBR050JE	A	0.050	100					588-RW2S0CBR050JET	1000	
588-RW2S0CBR500JE	RW2S0CBR500JE	A	0.500	100					588-RW2S0CBR500JET	1000	
588-RW2S0CBR200JE	RW2S0CBR200JE	A	0.200	100					588-RW2S0CBR200JET	1000	
588-RW2S0CB1R00JE	RW2S0CB1R00JE	A	1.000	100					588-RW2S0CB1R00JET	1000	
3 Watts											
588-RW3R0DBR005JE	RW3R0DBR005JE	A	0.005	200					-----	-	-
588-RW3R0DBR010JE	RW3R0DBR010JE	A	0.010	200					-----	-	-
588-RW3R0DBR015JE	RW3R0DBR015JE	A	0.015	200					588-RW3R0DBR015JET	1000	
588-RW3R0DBR036JE	RW3R0DBR036JE	A	0.036	200					-----	-	-
588-RW3R0DBR050JE	RW3R0DBR050JE	A	0.050	200					588-RW3R0DBR050JET	1000	
588-RW3R0DBR100JE	RW3R0DBR100JE	A	0.100	200					588-RW3R0DBR100JET	1000	
588-RW3R0DB1R00JE	RW3R0DB1R00JE	A	1.000	200					588-RW3R0DB1R00JET	1000	
3.5 Watts											
588-RW3R5EAR010JE	RW3R5EAR010JE	B	0.010	350					588-RW3R5EAR010JET	750	
588-RW3R5EAR025JE	RW3R5EAR025JE	B	0.025	350					588-RW3R5EAR025JET	750	
588-RW3R5EAR050JE	RW3R5EAR050JE	B	0.050	350					588-RW3R5EAR050JET	750	
588-RW3R5EAR100JE	RW3R5EAR100JE	B	0.100	350					588-RW3R5EAR100JET	750	
588-RW3R5EAR200JE	RW3R5EAR200JE	B	0.200	350					588-RW3R5EAR200JET	750	
588-RW3R5EA1R00JE	RW3R5EA1R00JE	B	1.000	350					588-RW3R5EA1R00JET	750	
588-RW3R5EA7R50JE	RW3R5EA7R50JE	B	7.500	350					588-RW3R5EA7R50JET	750	
588-RW3R5EA47R0JE	RW3R5EA47R0JE	B	47.000	350					588-RW3R5EA47R0JET	750	

OHMITE TDH35P SERIES SMD DPAK POWER RESISTOR - 35 WATT

Features:

- TO220 style package configuration for surface mounting applications
- Molded case for environmental protection
- Resistor element is electrically insulated from the metal heat sink tab

Specifications:

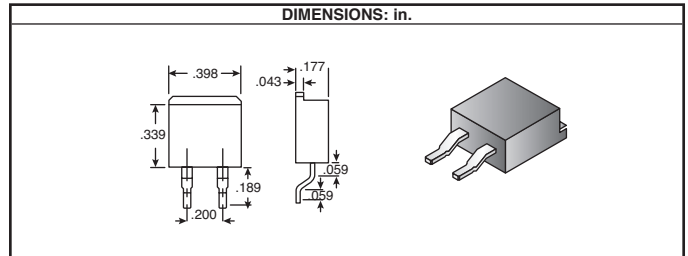
- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1800VAC
- Power rating: 35W @ 25°C
- Operating temperature range: -55°C to +150°C
- Derating(thermal resistance): 0.23W/K(4.28°K/W)

Applications:

- Switching power supplies
- Snubbers
- High frequency
- Voltage regulation
- Low energy pulse loading



RoHS Compliant



Value	Code	Value	Code	Value	Code
0.1	R100JE	5.0	5R00JE	100	100RJE
0.15	R150JE	7.5	7R50JE	150	150RJE
0.47	R470JE	10	10R0JE	300	300RJE
0.75	R750JE	15	15R0JE	500	500RJE
1.0	1R00JE	20	20R0JE	1000	1K00JE
2.0	2R00JE	25	25R0JE	5000	5K00JE
3.0	3R00JE	47	47R0JE		

※ Insert Value Code from Table of Stocked Values.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Prefix	※:Value Code	Value Range (Ω)	Price Each			
				1	25	100	250
588-TDH35P		Code	0.1-0.15				
588-TDH35P		Code	0.47				
588-TDH35P		Code	0.75-7.5				
588-TDH35P		Code	10-5K				

OHMITE Power Resistors



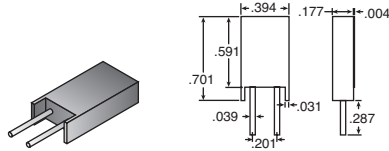
This product is RoHS compliant.

OHMITE TK/TN SERIES: THIN AND THICK FILM

Materials:

- Resistive element: Thick or thin film chip resistor
- Leads: Tin plated copper (100Sn)
- Heatsink plate: Black anodized aluminum
- Case: Ryton

DIMENSIONS: in.



Applications:

- Frequency Conversion
- High Frequency Balancing
- Snubber/Bleeder
- Power Supplies
- Industrial Controls
- Automotive Steering
- Pre-load/Damping
- Current Sense



RoHS Compliant

Bracket for TK/TN Series

MOUSER STOCK NO.	Price Each
588-6200	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value Range (Ω)	Tol.	Price Each				
Prefix	*value			1	10	25	50	100
Thin Film - 15 Watts								
588-TN15P	Code	4-7.5K	1%					
588-TN15P	Code	10-10K	2%					
Thick Film - 20 Watts								
588-TK20P	Code	0.03-10K	5%					

*Insert Value Code from Table of Stocked Values.

Thin Film - 15 Watts/1% Tolerance							
Value	Code	Value	Code	Value	Code	Value	Code
4.0	4R00FE	40	40R0FE	400	400RFE	4000	4K00FE
5.0	5R00FE	50	50R0FE	500	500RFE	5000	5K00FE
7.5	7R50FE	75	75R0FE	750	750RFE	7500	7K50FE
30	30R0FE	300	300RFE	3000	3K00FE		

Thin Film - 15 Watts/2% Tolerance							
Value	Code	Value	Code	Value	Code	Value	Code
10	10R0GE	100	100RGE	1000	1K00GE	10000	10K0GE

Thick Film - 20 Watts/5% Tolerance							
Value	Code	Value	Code	Value	Code	Value	Code
0.040	R040JE	0.75	R750JE	40	40R0JE	750	750RJE
0.050	R050JE	1.0	1R00JE	50	50R0JE	1000	1K00JE
0.075	R075JE	3.0	3R00JE	75	75R0JE	3000	3K00JE
0.100	R100JE	4.0	4R00JE	100	100RJE	4000	4K00JE
0.30	R300JE	5.0	5R00JE	300	300RJE	5000	5K00JE
0.40	R400JE	7.5	7R50JE	400	400RJE	7500	7K50JE
0.50	R500JE	10	10R0JE	500	500RJE	10000	10K0JE

OHMITE TAH20P SERIES: 20 WATT

Features:

- High pulse tolerant design
- Non-Inductive design
- Resistor package is electrically isolated from heat sink
- Ready for use with snap-on style heat sinks

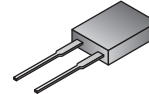
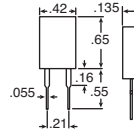
Specifications:

- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1800VAC
- Power rating: 20W @ 25°C
- Operating temperature range: -55°C to +175°C

Applications:

- Frequency conversion
- High Frequency balancing
- Snubbers

Value	Code	Value	Code	Value	Code
0.1	0.10-E	15	15-E	150	150-E
0.51	.51-E	33	33-E	470	470-E
1.0	1.0-E	47	47-E	1000	1K-E
1.5	1.5-E	75	75-E	10000	10K-E
10	10-E	100	100-E		



DIMENSIONS: in.



RoHS Compliant

*Insert Value Code from Table of Stocked Values.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value Range (Ω)	Price Each			
Prefix	*value		1	25	100	250
588-TAH20P-	Code	0.1-0.51				
588-TAH20P-	Code	1.0-10K				

OHMITE TBH25P SERIES: 25 WATT

Features:

- Non-Inductive design
- Low Thermal Resistance
- Economically priced
- Designed for applications that require immediate heat sinkable power.

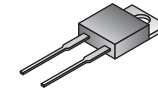
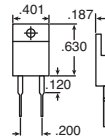
Specifications:

- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1000VDC
- Power rating: 25W @ 25°C
- Operating temperature range: -55°C to +150°C

Applications:

- Power supplies
- Industrial Controls
- Automotive Steering
- Snubber/Bleeder
- Pre-Load/Damping

Value	Code	Value	Code	Value	Code
2.0	2R00JE	33	33R0JE	240	240RJE
3.9	3R90JE	47	47R0JE	330	330RJE
7.5	7R50JE	75	75R0JE	470	470RJE
10	10R0JE	100	100RJE	1000	1K00JE
15	15R0JE	150	150RJE	1500	1K50JE
24	24R0JE				



DIMENSIONS: in.



RoHS Compliant

*Insert Value Code from Table of Stocked Values.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value Range (Ω)	Price Each			
Prefix	*value		1	25	100	250
588-TBH25P	Code	2.0-15				
588-TBH25P	Code	24-1.5K				

OHMITE TCH35P SERIES: 35 WATT

Features:

- Non-Inductive design
- Single screw mounting simplifies heat sink attachment
- Resistance element is electrically insulated from metal heat sink mounting tab

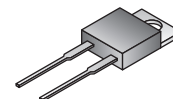
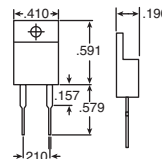
Specifications:

- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1800VAC
- Power rating: 35W @ 25°C
- Operating temperature range: -55°C to +150°C

Applications:

- Switching power supplies
- Snubbers
- High frequency
- Voltage regulation
- Low energy pulse loading

Value	Code	Value	Code	Value	Code	Value	Code
0.1	0.1E	1.5	1.5E	33	33E	240	240E
0.24	0.24E	2.4	2.4E	39	39E	330	330E
0.33	0.33E	3.3	3.3E	47	47E	390	390E
0.39	0.39E	3.9	3.9E	51	51E	470	470E
0.47	0.47E	4.7	4.7E	75	75E	510	510E
0.51	0.51E	5.1	5.1E	100	100E	750	750E
0.75	0.75E	7.5	7.5E	150	150E	1K	1KE
1.0	1.0E	24	24E				



DIMENSIONS: in.



RoHS Compliant

*Insert Value Code from Table of Stocked Values.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value Range (Ω)	Price Each			
Prefix	*value		1	25	100	250
588-TBH25P	Code	2.0-15				
588-TBH25P	Code	24-1.5K				

OHMITE Power Resistors



OHMITE TEH70 SERIES - TO-247 PACKAGE

Features:

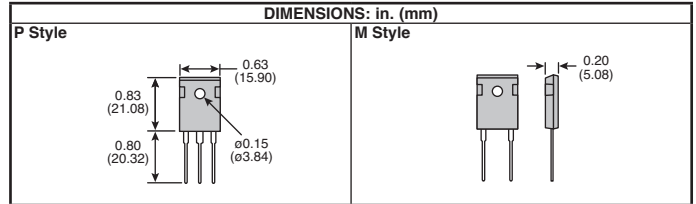
- 70 watt power rating at 25°C case temperature
- Non-inductive performance
- Low thermal resistance

Specifications:

- Materials: Resistor: thick film on alumina
Lead: solder coated phosphor bronze
Solder: 100% sn

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tolerance	Price Each			
				1	25	50	100
588-TEH70P2R00JE	TEH70P2R00JE	2	5%				
588-TEH70P3R00JE	TEH70P3R00JE	3	5%				
588-TEH70P4R00JE	TEH70P4R00JE	4	5%				
588-TEH70P10R0JE	TEH70P10R0JE	10	5%				
588-TEH70P15R0JE	TEH70P15R0JE	15	5%				
588-TEH70P20R0JE	TEH70P20R0JE	20	5%				
588-TEH70P47R0JE	TEH70P47R0JE	47	5%				
588-TEH70P68R0JE	TEH70P68R0JE	68	5%				
588-TEH70P100RJE	TEH70P100RJE	100	5%				
588-TEH70P470RJE	TEH70P470RJE	470	5%				
588-TEH70P750RJE	TEH70P750RJE	750	5%				
588-TEH70P1K00JE	TEH70P1K00JE	1K	5%				
588-TEH70P1K50JE	TEH70P1K50JE	1.5K	5%				
588-TEH70P2K00JE	TEH70P2K00JE	2K	5%				
588-TEH70P5K00JE	TEH70P5K00JE	5K	5%				
588-TEH70P7K50JE	TEH70P7K50JE	7.5K	5%				
588-TEH70M2R00JE	TEH70M2R00JE	2	5%				
588-TEH70M3R00JE	TEH70M3R00JE	3	5%				



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tolerance	Price Each			
				1	25	50	100
588-TEH70M5R00JE	TEH70M5R00JE	5	5%				
588-TEH70M7R50JE	TEH70M7R50JE	7.5	5%				
588-TEH70M10R0JE	TEH70M10R0JE	10	5%				
588-TEH70M15R0JE	TEH70M15R0JE	15	5%				
588-TEH70M33R0JE	TEH70M33R0JE	33	5%				
588-TEH70M39R0JE	TEH70M39R0JE	39	5%				
588-TEH70M47R0JE	TEH70M47R0JE	47	5%				
588-TEH70M68R0JE	TEH70M68R0JE	68	5%				
588-TEH70M75R0JE	TEH70M75R0JE	75	5%				
588-TEH70M100RJE	TEH70M100RJE	100	5%				
588-TEH70M150RJE	TEH70M150RJE	150	5%				
588-TEH70M270RJE	TEH70M270RJE	270	5%				
588-TEH70M470RJE	TEH70M470RJE	470	5%				
588-TEH70M680RJE	TEH70M680RJE	680	5%				
588-TEH70M1K00JE	TEH70M1K00JE	1K	5%				
588-TEH70M1K50JE	TEH70M1K50JE	1.5K	5%				
588-TEH70M10K0JE	TEH70M10K0JE	10K	5%				
588-TEH70M5K00JE	TEH70M5K00JE	5K	5%				

Ohmite Power Resistors

OHMITE TEH100 SERIES - TO-247 PACKAGE

Features:

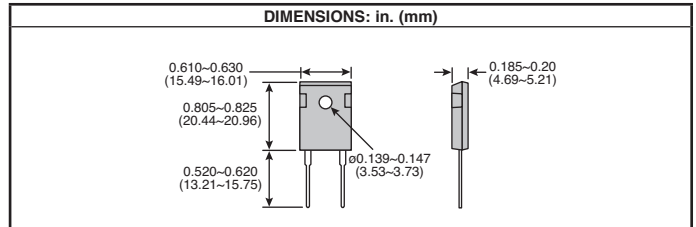
- 100 watt power rating at 25°C case temperature
- Non-inductive performance
- Low thermal resistance
- A totally molded housing for environmental protection
- Resistor package totally insulated from heat sink

Specifications:

- Materials: Resistor: thick film on alumina
Case: high temperature plastic
Lead Material: Tinned Copper
- Installation, max torque: 0.9Nm using an M3 screw and a compression washer

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tolerance	Price Each			
				1	25	50	100
588-TEH100M1R00FE	TEH100M1R00FE	1	1%				
588-TEH100M2R00FE	TEH100M2R00FE	2	1%				
588-TEH100M2R50FE	TEH100M2R50FE	2.5	1%				
588-TEH100M3R00FE	TEH100M3R00FE	3	1%				
588-TEH100M5R00FE	TEH100M5R00FE	5	1%				
588-TEH100M7R50FE	TEH100M7R50FE	7.5	1%				
588-TEH100M10R0FE	TEH100M10R0FE	10	1%				
588-TEH100M15R0FE	TEH100M15R0FE	15	1%				
588-TEH100M20R0FE	TEH100M20R0FE	20	1%				
588-TEH100M25R0FE	TEH100M25R0FE	25	1%				
588-TEH100M50R0FE	TEH100M50R0FE	50	1%				
588-TEH100M100RFE	TEH100M100RFE	100	1%				
588-TEH100MR050JE	TEH100MR050JE	0.05	5%				
588-TEH100MR075JE	TEH100MR075JE	0.075	5%				
588-TEH100MR100JE	TEH100MR100JE	0.1	5%				
588-TEH100MR200JE	TEH100MR200JE	0.2	5%				



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tolerance	Price Each			
				1	25	50	100
588-TEH100MR500JE	TEH100MR500JE	0.5	5%				
588-TEH100M1R00JE	TEH100M1R00JE	1	5%				
588-TEH100M2R00JE	TEH100M2R00JE	2	5%				
588-TEH100M2R50JE	TEH100M2R50JE	2.5	5%				
588-TEH100M3R00JE	TEH100M3R00JE	3	5%				
588-TEH100M5R00JE	TEH100M5R00JE	5	5%				
588-TEH100M7R50JE	TEH100M7R50JE	7.5	5%				
588-TEH100M10R0JE	TEH100M10R0JE	10	5%				
588-TEH100M15R0JE	TEH100M15R0JE	15	5%				
588-TEH100M20R0JE	TEH100M20R0JE	20	5%				
588-TEH100M24R0JE	TEH100M24R0JE	24	5%				
588-TEH100M50R0JE	TEH100M50R0JE	50	5%				
588-TEH100M100RJE	TEH100M100RJE	100	5%				
588-TEH100M470RJE	TEH100M470RJE	470	5%				
588-TEH100M750RJE	TEH100M750RJE	750	5%				
588-TEH100M1K00JE	TEH100M1K00JE	1K	5%				

OHMITE TFS SERIES SURGE CAPABLE THICK FILM RESISTORS

Features:

- Ideal for medical surge protection applications
- Ideal to replace standard carbon composition resistors

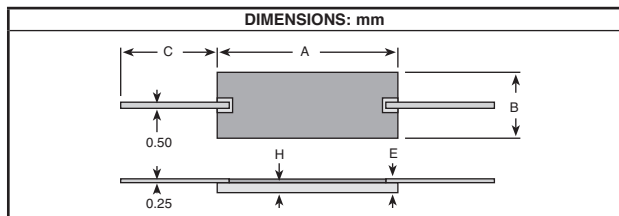
Materials:

- Resistive Element: Thick Film
- Encapsulation: Screen Printed Glass
- Temperature Coefficient: 100ppm/°C
- Operating Temperature: -55°C to +200°C
- Test: VDE 0750 (Pulse Duration 10msec)



RoHS Compliant

For quantities greater than listed, call for quote.



Type	DIMENSIONS: mm				
	A	B	C	H	E
TFSA	9	5.5	10	0.7	1.1
TFSC	13	5.5	10	0.7	1.1
TFSE	21	10.5	10	0.9	1.3

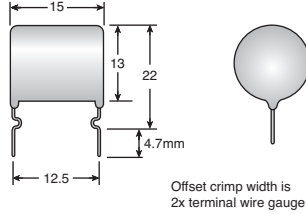
MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	U (KV)	Power (W)	Energy (J)	Price Each				
						1	10	25	50	100
588-TFSA4K70JE	TFSA4K70JE	4.7K	3	0.5	6					
588-TFSA27K0JE	TFSA27K0JE	27K	3	0.5	6					
588-TFSA75K0JE	TFSA75K0JE	75K	3	0.5	6					
588-TFSC270RJE	TFSC270RJE	270	4	0.75	11					
588-TFSC680RJE	TFSC680RJE	680	4	0.75	11					
588-TFSC1K50JE	TFSC1K50JE	1.5K	4	0.75	11					
588-TFSC4K70JE	TFSC4K70JE	4.7K	4	0.75	11					
588-TFSC27K0JE	TFSC27K0JE	27K	4	0.75	11					
588-TFSC51K0JE	TFSC51K0JE	51K	4	0.75	11					
588-TFSC100KJE	TFSC100KJE	100K	4	0.75	11					
588-TFSE470RJE	TFSE470RJE	470	7	1.5	44					
588-TFSE680RJE	TFSE680RJE	680	7	1.5	44					
588-TFSE2K70JE	TFSE2K70JE	2.7K	7	1.5	44					
588-TFSE6K80JE	TFSE6K80JE	6.8K	7	1.5	44					
588-TFSE27K0JE	TFSE27K0JE	27K	7	1.5	44					
588-TFSE75K0JE	TFSE75K0JE	75K	7	1.5	44					

OHMITE Power Resistors



OHMITE - A SERIES PULSEATER® - 10% CERAMIC COMPOSITION RESISTORS - 2 WATT

- Features:**
- High surge energy
 - Non-inductive
 - Small size



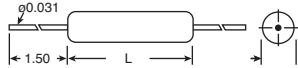
2 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	10	50	100
588-AV33GKE	AV33GKE	3.3				
588-AV47GKE	AV47GKE	4.7				
588-AV100KE	AV100KE	10				
588-AV150KE	AV150KE	15				
588-AV220KE	AV220KE	22				
588-AV390KE	AV390KE	39				

OHMITE - OX/OY SERIES - 10% CERAMIC COMPOSITION RESISTORS - 1 AND 2 WATT

- Features:**
- Replaces 1 and 2 watt carbon composition resistors
 - Meets high energy density demands
 - High peak power



* Available in OY series only



RoHS Compliant

For quantities greater than listed, call for quote.

Table of Values for OX and OY Series in (Ω)

3.3	22	47	220	820	3.3K	12K	27K	100K
10	27	68	330	1K	4.7K	15K	33K	*220K
12	33	100	470	1.5K	5.6K	18K	47K	*1M
15	39	150	680	2.2K	10K	22K	68K	

MOUSER STOCK NO.	Range of Values (Ω)	Dielectric Withstanding	DIMENSIONS: in.		Price Each		
			L	øD	1	100	1000
OX, 1 Watt							
588-OX-Value-E	3.3~100K	500	0.748	0.217			
OY, 2 Watts							
588-OY-Value-E	3.3~100	700	0.886	0.276			
588-OY-Value-E	150~100K	700	0.886	0.276			
588-OY-Value-E	220K~1M	700	0.886	0.276			

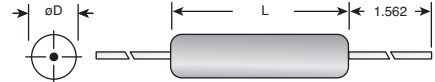
OHMITE - 10 SERIES LO-MITE MOLDED SILICONE - 1% WIRE ELEMENT RESISTORS - 2, 3 AND 5 WATT

- Specifications:**
- Overload: 5 times rated voltage for 5 seconds
 - Dielectric withstanding voltage: 1000V_{RMS} for 3W and 5W; 500V_{RMS} for 2W
 - Temperature range: -55°C to 275°C

Wattage	DIMENSIONS: in.		Lead Gauge
	L	øD	
2	.416	.094	20
3	.570	.205	20
5	.935	.330	18



RoHS Compliant



- Features:**
- Ideal for current sensing application
 - Low inductance (non-inductive below .25Ω)

2 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each					
		1	10	100	250	500	1000
588-12FR005E	0.005						
588-12FR010E	0.010						
588-12FR020E	0.020						
588-12FR025E	0.025						
588-12FR050E	0.050						
588-12FR080E	0.080						
588-12FR100E	0.100						

3 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each					
		1	10	100	250	500	1000
588-13FR005E	0.005						
588-13FR010E	0.010						
588-13FR020E	0.020						
588-13FR025E	0.025						
588-13FR050E	0.050						
588-13FR070E	0.070						
588-13FR080E	0.080						
588-13FR100E	0.100						
588-13FR150E	0.150						
588-13FR200E	0.200						

5 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each					
		1	10	100	250	500	1000
588-15FR005E	0.005						
588-15FR010E	0.010						
588-15FR020E	0.020						
588-15FR025E	0.025						
588-15FR050E	0.050						
588-15FR080E	0.080						
588-15FR100E	0.100						
588-15FR200E	0.200						
588-15FR250E	0.250						

OHMITE - 30 SERIES - 5% HIGH ENERGY WIRE WOUND RESISTORS - 3, 5 AND 10 WATT

Ohmite Manufacturing's family of High Energy Wirewound Resistors employ special winding techniques to maximize the effective joule rating of each resistor. Ohmite High Energy Wirewounds are hand wound in order to maintain the tightest possible pitch (space between windings) and thereby maximize the mass of the resistive element

3 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	10	50	100
588-33J1R0E	33J1R0E	1				
588-33J5R0E	33J5R0E	5				
588-33J10RE	33J10RE	10				
588-33J15RE	33J15RE	15				
588-33J20RE	33J20RE	20				
588-33J25RE	33J25RE	25				
588-33J30RE	33J30RE	30				
588-33J50RE	33J50RE	50				
588-33J100E	33J100E	100				

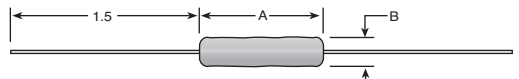
5 Watts

588-35J1R5E	35J1R5E	1.5				
588-35J2R5E	35J2R5E	2.5				
588-35J7R5E	35J7R5E	7.5				
588-35J12RE	35J12RE	12				
588-35J18RE	35J18RE	18				
588-35J22RE	35J22RE	22				
588-35J36RE	35J36RE	36				
588-35J47RE	35J47RE	47				
588-35J75RE	35J75RE	75				



RoHS Compliant

Wattage	VAC	DIMENSIONS: in.		Lead Gauge
		A	B	
3	200	0.593	0.218	20
5	460	1.000	0.343	18
10	1000	1.842	0.406	18



10 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	10	50	100
588-30J2R0E	30J2R0E	2				
588-30J4R7E	30J4R7E	4.7				
588-30J6R8E	30J6R8E	6.8				
588-30J15RE	30J15RE	15				
588-30J27RE	30J27RE	27				
588-30J33RE	30J33RE	33				
588-30J50RE	30J50RE	50				
588-30J82RE	30J82RE	82				
588-30J100E	30J100E	100				
588-30J150E	30J150E	150				

OHMITE Power Resistors



OHMITE - HVC SERIES - THICK FILM HIGH-VALUE HIGH-VOLTAGE WRAPAROUND CHIP

- Features:**
- Low temperature and voltage dependency
 - Suitable for high vacuum applications - no organics
 - Contact areas: Nickel-barrier/matt tin
 - Wraparound terminals

Size	Power Rating (mW)	DIMENSIONS: mm			
		L	W	T	a
0805	125	2.00 +.15/- .05	1.25 +.15/- .05	0.40 +.15/- .05	0.3 +.2/- .1
1206	250	3.20 +.15/- .05	1.50 +.2/- .05	0.40 +.15/- .05	0.3 +.2/- .1
2512	1000	6.30 +.15/- .05	3.50 +.2/- .05	0.60 +.15/- .05	0.9 ± .2

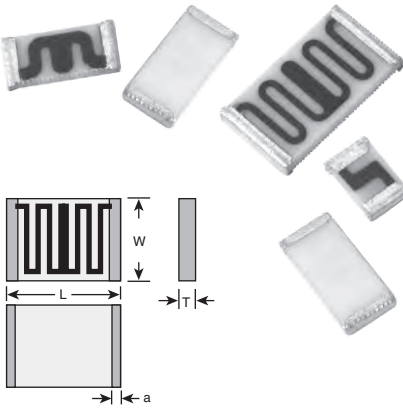
- Electrical:**
- Operating Temperature: -55°C to +155°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Power	Tol.	Temp. Coef.	Price Each				
						1	25	50	100	500
588-HVC0805T1004JET	HVC0805T1004JET	1M	125	5%	100ppm					
588-HVC0805T5004JET	HVC0805T5004JET	5M	125	5%	100ppm					
588-HVC0805T1005JET	HVC0805T1005JET	10M	125	5%	100ppm					
588-HVC0805T5005JET	HVC0805T5005JET	50M	125	5%	100ppm					
588-HVC0805T1006JET	HVC0805T1006JET	100M	125	5%	100ppm					
588-HVC0805Z5006JET	HVC0805Z5006JET	500M	125	5%	250ppm					
588-HVC0805Z1007JET	HVC0805Z1007JET	1G	125	5%	250ppm					
588-HVC0805Z1008KET	HVC0805Z1008KET	10G	125	10%	250ppm					
588-HVC1206T1004JET	HVC1206T1004JET	1M	250	5%	100ppm					
588-HVC1206T5004JET	HVC1206T5004JET	5M	250	5%	100ppm					
588-HVC1206T1005JET	HVC1206T1005JET	10M	250	5%	100ppm					
588-HVC1206T5005JET	HVC1206T5005JET	50M	250	5%	100ppm					
588-HVC1206T1006JET	HVC1206T1006JET	100M	250	5%	100ppm					
588-HVC1206Z5006JET	HVC1206Z5006JET	500M	250	5%	250ppm					
588-HVC1206Z1007JET	HVC1206Z1007JET	1G	250	5%	250ppm					
588-HVC1206Z1008KET	HVC1206Z1008KET	10G	250	10%	250ppm					
588-HVC2512T1004JET	HVC2512T1004JET	1M	1000	5%	100ppm					
588-HVC2512T5004JET	HVC2512T5004JET	5M	1000	5%	100ppm					
588-HVC2512T1005JET	HVC2512T1005JET	10M	1000	5%	100ppm					
588-HVC2512T5005JET	HVC2512T5005JET	50M	1000	5%	100ppm					
588-HVC2512T1006JET	HVC2512T1006JET	100M	1000	5%	100ppm					
588-HVC2512Z5006JET	HVC2512Z5006JET	500M	1000	5%	250ppm					
588-HVC2512Z1007JET	HVC2512Z1007JET	1G	1000	5%	250ppm					

Ohmite Power Resistors



OHMITE - 40 SERIES - 1% SILICONE COATED WIREWOUND - 1, 3 AND 5 WATT

- Features:**
- Welded construction
 - Silicone coating and molding

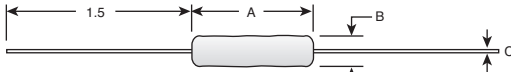
- Specifications:**
- Resistance tolerance: ±1%
 - Dielectric strength: 1000V
 - Insulation resistance: 1000MΩ
 - Temperature coefficient: 1-3W, 50ppm/5W, 20ppm

Cross Reference Chart

Ohmite	Clarostat	Huntington
41F	SC1A	ALSR-1
43F	SC3D	ALSR-3
45F	SC5E	ALSR-5

RoHS Compliant Codes

Code	Value (Ω)	Code	Value (ohm)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)
R10E	0.1	22RE	22	150E	150	750E	750	6K8E	6.8K
R15E	0.15	25RE	25	180E	180	800E	800	7K5E	7.5K
R30E	0.3	27RE	27	200E	200	820E	820	8K0E	8K
R50E	0.5	30RE	30	220E	220	900E	900	10K0E	10K
R75E	0.75	33RE	33	225E	225	1K0E	1K	15KE	15K
1R0E	1	35RE	35	250E	250	1K1E	1.1K	20KE	20K
1R5E	1.5	39RE	39	270E	270	1K2E	1.2K	25KE	25K
2R0E	2	40RE	40	300E	300	1K5E	1.5K		
2R2E	2.2	47RE	47	330E	330	1K8E	1.8K		
3R0E	3	50RE	50	350E	350	2K0E	2K		
4R0E	4	56RE	56	390E	390	2K2E	2.2K		
5R0E	5	62RE	62	400E	400	2K5E	2.5K		
7R5E	7.5	68RE	68	450E	450	2K7E	2.7K		
10RE	10	75RE	75	470E	470	3K0E	3K		
12RE	12	82RE	82	500E	500	3K9E	3.9K		
15RE	15	100E	100	560E	560	4K0E	4K		
18RE	18	120E	120	600E	600	4K7E	4.7K		
R20E	20	125E	125	680E	680	5K0E	5K		



0.1	0.5	5.0	22	50	150	330	750	3K	8K
0.13	0.75	7.5	25	56	180	350	1K	3.9K	10K
0.15	1.0	10	27	68	200	470	1.2K	4K	15K
0.2	1.5	12	30	75	220	500	1.5K	4.7K	20K
0.25	2.0	15	33	82	250	560	2K	5K	25K
0.3	3.0	18	39	100	270	600	2.2K	6.8K	
0.33	4.0	20	40	120	300	680	2.5K	7.5K	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	DIMENSIONS: in. max.			Price Each			
		A	B	C	1	25	100	250
1 Watt								
588-41F-Value	0.1-0.75	.44	.13	24Ga.				
588-41F-Value	1.0-7.5	.44	.13	24Ga.				
588-41F-Value	10-82	.44	.13	24Ga.				
588-41F-Value	100-470	.44	.13	24Ga.				
588-41F-Value	500-900	.44	.13	24Ga.				
588-41F-Value	1K-1.5K	.44	.13	24Ga.				
588-41F-Value	2K-3K	.44	.13	24Ga.				
3 Watt								
588-43F-Value	0.1-0.75	.59	.22	20Ga.				
588-43F-Value	1.0-7.5	.59	.22	20Ga.				
588-43F-Value	10-82	.59	.22	20Ga.				
588-43F-Value	100-750	.59	.22	20Ga.				
588-43F-Value	1K-1.5K	.59	.22	20Ga.				
588-43F-Value	2K-2.5K	.59	.22	20Ga.				
588-43F-Value	3K-4.7K	.59	.22	20Ga.				
588-43F-Value	5K-6.8K	.59	.22	20Ga.				
588-43F-Value	7.5K-10K	.59	.22	20Ga.				
5 Watt								
588-45F-Value	0.1-0.75	.94	.34	18Ga.				
588-45F-Value	1.0-7.5	.94	.34	18Ga.				
588-45F-Value	10-82	.94	.34	18Ga.				
588-45F-Value	100-750	.94	.34	18Ga.				
588-45F-Value	1K-2.5K	.94	.34	18Ga.				
588-45F-Value	3K-6.8K	.94	.34	18Ga.				
588-45F-Value	7.5K-8K	.94	.34	18Ga.				
588-45F-Value	10K-15K	.94	.34	18Ga.				
588-45F-Value	20K-25K	.94	.34	18Ga.				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	DIMENSIONS: in. max.			Price Each			
		A	B	C	1	25	100	250
1 Watt								
588-41F-Value	0.1-0.75	.44	.13	24Ga.				
588-41F-Value	1.0-7.5	.44	.13	24Ga.				
588-41F-Value	10-82	.44	.13	24Ga.				
588-41F-Value	100-470	.44	.13	24Ga.				
588-41F-Value	500-900	.44	.13	24Ga.				
588-41F-Value	1K-1.5K	.44	.13	24Ga.				
588-41F-Value	2K-3K	.44	.13	24Ga.				
3 Watt								
588-43F-Value	0.1-0.75	.59	.22	20Ga.				
588-43F-Value	1.0-7.5	.59	.22	20Ga.				
588-43F-Value	10-82	.59	.22	20Ga.				
588-43F-Value	100-750	.59	.22	20Ga.				
588-43F-Value	1K-1.5K	.59	.22	20Ga.				
588-43F-Value	2K-2.5K	.59	.22	20Ga.				
588-43F-Value	3K-4.7K	.59	.22	20Ga.				
588-43F-Value	5K-6.8K	.59	.22	20Ga.				
588-43F-Value	7.5K-10K	.59	.22	20Ga.				
5 Watt								
588-45F-Value	0.1-0.75	.94	.34	18Ga.				
588-45F-Value	1.0-7.5	.94	.34	18Ga.				
588-45F-Value	10-82	.94	.34	18Ga.				
588-45F-Value	100-750	.94	.34	18Ga.				
588-45F-Value	1K-2.5K	.94	.34	18Ga.				
588-45F-Value	3K-6.8K	.94	.34	18Ga.				
588-45F-Value	7.5K-8K	.94	.34	18Ga.				
588-45F-Value	10K-15K	.94	.34	18Ga.				
588-45F-Value	20K-25K	.94	.34	18Ga.				

OHMITE Power Resistors



OHMITE - MINI-MOX SERIES - 1% METAL OXIDE AXIAL HIGH VOLTAGE RESISTORS

Features:

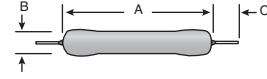
- Wide resistance ranges
- Silicone or epoxy coating
- Metal oxide resistive element
- Works well in precision circuits

Specifications:

- Resistance Tolerance: 1%
- Voltage Rating: 1KV to 5KV
- Power Rating: .5W to 1W @ 25°C
- Operating Temperature Range: -55°C to +220°C

Applications:

- Avionics
- Medical electronics
- High gain feedback applications
- Current pulse limiters
- Vacuum and space application



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Power	Tol. %	Dimensions: in.			Lead Dia. (IN)	Price Each							
					A	B	C		1	10	50	100	250			
500V																
588-MOX-200001005FE	MOX-200001005FE	10M	0.25W	1%	0.26	0.09	1.3	0.02								
588-MOX-200002505FE	MOX-200002505FE	25M	0.25W	1%	0.26	0.09	1.3	0.02								
588-MOX-200005005FE	MOX-200005005FE	50M	0.25W	1%	0.26	0.09	1.3	0.02								
588-MOX-200001006FE	MOX-200001006FE	100M	0.25W	1%	0.26	0.09	1.3	0.02								
588-MOX-200001005JE	MOX-200001005JE	10M	0.25W	5%	0.26	0.09	1.3	0.02								
588-MOX-200002505JE	MOX-200002505JE	25M	0.25W	5%	0.26	0.09	1.3	0.02								
588-MOX-200005005JE	MOX-200005005JE	50M	0.25W	5%	0.26	0.09	1.3	0.02								
588-MOX-200001006JE	MOX-200001006JE	100M	0.25W	5%	0.26	0.09	1.3	0.02								
588-MOX-200001007JE	MOX-200001007JE	1000M	0.25W	5%	0.26	0.09	1.3	0.02								
1KV																
588-MOX-300001004FE	MOX-300001004FE	1M	0.50W	1%	0.354	0.13	1.3	0.03								
588-MOX-300002004FE	MOX-300002004FE	2M	0.50W	1%	0.354	0.13	1.3	0.03								
588-MOX-300005004FE	MOX-300005004FE	5M	0.50W	1%	0.354	0.13	1.3	0.03								
588-MOX-300001505FE	MOX-300001505FE	15M	0.50W	1%	0.354	0.13	1.3	0.03								
588-MOX-300002505FE	MOX-300002505FE	25M	0.50W	1%	0.354	0.13	1.3	0.03								
588-MOX-300005005FE	MOX-300005005FE	50M	0.50W	1%	0.354	0.13	1.3	0.03								
588-MOX-300001506FE	MOX-300001506FE	150M	0.50W	1%	0.354	0.13	1.3	0.03								
588-MOX-300002506FE	MOX-300002506FE	250M	0.50W	1%	0.354	0.13	1.3	0.03								
2.5KV																
588-MOX-400235004FE	MOX-400235004FE	5M	0.75W	1%	0.58	0.165	1.5	0.02								
588-MOX-400232505FE	MOX-400232505FE	25M	0.75W	1%	0.58	0.165	1.5	0.02								
588-MOX-400235005FE	MOX-400235005FE	50M	0.75W	1%	0.58	0.165	1.5	0.02								
588-MOX-400231506FE	MOX-400231506FE	150M	0.75W	1%	0.58	0.165	1.5	0.02								
588-MOX-400232006FE	MOX-400232006FE	200M	0.75W	1%	0.58	0.165	1.5	0.02								
588-MOX-400235006FE	MOX-400235006FE	500M	0.75W	1%	0.58	0.165	1.5	0.02								
5KV																
588-MOX750232505FE	MOX-750232505FE	25M	1.00W	1%	0.88	0.165	1.5	0.02								
588-MOX750237505FE	MOX-750237505FE	75M	1.00W	1%	0.88	0.165	1.5	0.02								
588-MOX750232506FE	MOX-750232506FE	250M	1.00W	1%	0.88	0.165	1.5	0.02								
588-MOX750231007FE	MOX-750231007FE	1000M	1.00W	1%	0.88	0.165	1.5	0.02								

Power Resistors

Ohmite

OHMITE - SLIM-MOX SERIES - 1% METAL OXIDE PLANAR RESISTORS 1/2 WATT - 2.5 WATT

Features:

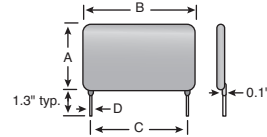
- High dielectric and low out gassing epoxy coating
- Low resistor noise
- Non Inductive

Specifications:

- Resistance Tolerance: 1%
- Voltage Rating: 1KV to 20KV
- Power Rating Range: .5W to 2.5 watts @ 25°C
- Operating Temperature Range: -55°C to +110°C

Applications:

- High Voltage Power Supplies
- Medical Instrumentation
- Current pulse limiters
- Ionization Chambers



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Power @ 25°C	Dimensions: in.				Price Each								
				A	B	C	D	1	10	50	100	250				
2KV																
588-SM101031003FE	SM101031003FE	100K	0.5W	0.34	0.33	0.2	0.025									
588-SM101031004FE	SM101031004FE	1M	0.5W	0.34	0.33	0.2	0.025									
588-SM101031504FE	SM101031504FE	1.5M	0.5W	0.34	0.33	0.2	0.025									
588-SM101035004FE	SM101035004FE	5M	0.5W	0.34	0.33	0.2	0.025									
588-SM101031505FE	SM101031505FE	15M	0.5W	0.34	0.33	0.2	0.025									
588-SM101035005FE	SM101035005FE	50M	0.5W	0.34	0.33	0.2	0.025									
7.5KV																
588-SM103031004FE	SM103031004FE	1M	1.25W	0.34	0.83	0.6	0.032									
588-SM103035004FE	SM103035004FE	5M	1.25W	0.34	0.83	0.6	0.032									
588-SM103032005FE	SM103032005FE	20M	1.25W	0.34	0.83	0.6	0.032									
588-SM103031006FE	SM103031006FE	100M	1.25W	0.34	0.83	0.6	0.032									
588-SM103031506FE	SM103031506FE	150M	1.25W	0.34	0.83	0.6	0.032									
15KV																
588-SM106031004FE	SM106031004FE	1M	2.0W	0.34	1.58	1.4	0.032									
588-SM106032004FE	SM106032004FE	2M	2.0W	0.34	1.58	1.4	0.032									
588-SM106031006FE	SM106031006FE	100M	2.0W	0.34	1.58	1.4	0.032									
588-SM106032006FE	SM106032006FE	200M	2.0W	0.34	1.58	1.4	0.032									
588-SM106031007FE	SM106031007FE	1000M	2.0W	0.34	1.58	1.4	0.032									
20KV																
588-SM108031003FE	SM108031003FE	100K	2.5W	0.34	2.08	1.9	0.032									
588-SM108035003FE	SM108035003FE	500K	2.5W	0.34	2.08	1.9	0.032									
588-SM108031004FE	SM108031004FE	1M	2.5W	0.34	2.08	1.9	0.032									
588-SM108035004FE	SM108035004FE	5M	2.5W	0.34	2.08	1.9	0.032									
588-SM108032005FE	SM108032005FE	20M	2.5W	0.34	2.08	1.9	0.032									
588-SM108037505FE	SM108037505FE	75M	2.5W	0.34	2.08	1.9	0.032									
588-SM108031506FE	SM108031506FE	150M	2.5W	0.34	2.08	1.9	0.032									
588-SM108031507FE	SM108031507FE	1500M	2.5W	0.34	2.08	1.9	0.032									

OHMITE Power Resistors



OHMITE 20 SERIES AXIAL LEAD WIREWOUND 5% VITREOUS ENAMEL COATED RESISTORS - 3, 5 AND 10 WATT

Features:

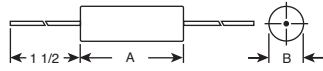
- Enamel coating
- Welded terminations
- Low temperature coefficient



RoHS Compliant

Specifications:

- Resistance tolerance: $\pm 5\%$
- Temperature coefficient 0.1 to 7.5 Ω : ± 50 ppm
10 Ω and over: ± 30 ppm
- For units below 1 Ω , add 15% to body diameter, 10% to body length



DIMENSIONS: in.

* All values not available in all sizes

Table of Values 20 Series in (Ω)

Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code
0.1	R10E	27	27RE	330	330E	2.7K	2K7E
0.13	R13E	30	30RE	350	350E	3K	3K0E
0.15	R15E	33	33RE	390	390E	3.3K	3K3E
0.2	R20E	35	35RE	400	400E	3.5K	3K5E
0.3	R30E	39	39RE	450	450E	3.9K	3K9E
0.33	R33E	40	40RE	470	470E	4K	4K0E
0.5	R50E	47	47RE	500	500E	4.5K	4K5E
0.75	R75E	50	50RE	560	560E	4.7K	4K7E
1	1R0E	56	56RE	600	600E	5K	5K0E
1.5	1R5E	68	68RE	680	680E	6K	6K0E
2	2R0E	75	75RE	750	750E	6.8K	6K8E
3	3R0E	82	82RE	800	800E	7K	7K0E
4	4R0E	100	100E	820	820E	7.5K	7K5E
5	5R0E	120	120E	900	900E	8K	8K0E
7.5	7R5E	125	125E	1K	1K0E	9K	9K0E
10	10R0E	150	150E	1.1K	1K1E	10K	10K0E
12	12R0E	180	180E	1.2K	1K2E	12K	12K0E
15	15R0E	200	200E	1.5K	1K5E	15K	15K0E
18	18R0E	220	220E	1.8K	1K8E	20K	20K0E
20	20R0E	225	225E	2K	2K0E	22K	22K0E
22	22R0E	250	250E	2.2K	2K2E	25K	25K0E
25	25R0E	300	300E	2.5K	2K5E		

3 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions: in.		Price Each			
		A	B	1	50	100	250
588-23J-Code	0.1-0.33	0.5	0.22				
588-23J-Code	0.5-7.5	0.5	0.22				
588-23J-Code	10-82	0.5	0.22				
588-23J-Code	100-450	0.5	0.22				
588-23J-Code	470-900	0.5	0.22				
588-23J-Code	1K-4.7K	0.5	0.22				
588-23J-Code	5K-7K	0.5	0.22				
588-23J-Code	7.5K-10K	0.5	0.22				

5 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions: in.		Price Each			
		A	B	1	50	100	250
588-25J-Code	0.1-0.33	0.5	0.22				
588-25J-Code	0.5-7.5	0.5	0.22				
588-25J-Code	10-82	0.5	0.22				
588-25J-Code	100-450	0.5	0.22				
588-25J-Code	470-900	0.5	0.22				
588-25J-Code	1K-4.7K	0.5	0.22				
588-25J-Code	5K-7K	0.5	0.22				
588-25J-Code	7.5K-10K	0.5	0.22				

10 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions: in.		Price Each			
		A	B	1	50	100	250
588-20J-Code	0.1-7.5	1.84	0.35				
588-20J-Code	10-82	1.84	0.35				
588-20J-Code	100-900	1.84	0.35				
588-20J-Code	1K-2.5K	1.84	0.35				
588-20J-Code	3K-4.7K	1.84	0.35				
588-20J-Code	5K-9K	1.84	0.35				
588-20J-Code	10K-20K	1.84	0.35				
588-20J-Code	25K	1.84	0.35				

Ohmite Power Resistors

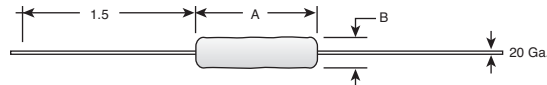
OHMITE - 90 SERIES - 5% VITREOUS ENAMEL MOLDED WIREWOUND - 3 1/4, 5, AND 11 WATT

Features:

- Molded construction provides consistent shape and size (permits mounting in clips which extends power rating)
- Flame resistant lead free vitreous enamel coating
- All welded construction
- Ready for use with snap-on style heat sinks

Specifications:

- Resistance tolerance: 5%
- Overload:
3 and 5 watts: 5 times rated wattage for 5 seconds
11 watts: 10 times rated wattage for 5 seconds
- Dielectric withstanding voltage: 1000VAC



DIMENSIONS: in.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Dimensions: in.		Price Each				
			A	B	1	25	100	250	500
3 1/4 Watt									
588-93J1R0E	93J1R0E	1.0	.56	.23					
588-93J2R0E	93J2R0E	2.0	.56	.23					
588-93J5R0E	93J5R0E	5.0	.56	.23					
588-93J10R0E	93J10R0E	10	.56	.23					
588-93J50R0E	93J50R0E	50	.56	.23					
588-93J100E	93J100E	100	.56	.23					
588-93J200E	93J200E	200	.56	.23					
588-93J500E	93J500E	500	.56	.23					
588-93J750E	93J750E	750	.56	.23					
588-93J1K0E	93J1K0E	1K	.56	.23					
588-93J2K0E	93J2K0E	2K	.56	.23					
588-93J5K0E	93J5K0E	5K	.56	.23					
588-93J10K0E	93J10K0E	10K	.56	.23					
5 Watt									
588-95J1R0E	95J1R0E	1.0	.95	.23					
588-95J2R0E	95J2R0E	2.0	.95	.23					
588-95J5R0E	95J5R0E	5	.95	.23					
588-95J10R0E	95J10R0E	10	.95	.23					
588-95J33R0E	95J33R0E	33	.95	.23					
588-95J50R0E	95J50R0E	50	.95	.23					
588-95J100E	95J100E	100	.95	.23					
588-95J200E	95J200E	200	.95	.23					
588-95J500E	95J500E	500	.95	.23					
588-95J600E	95J600E	600	.95	.23					

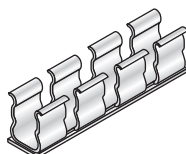
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Dimensions: in.		Price Each				
			A	B	1	25	100	250	500
5 Watt (Cont.)									
588-95J750E	95J750E	750	.95	.23					
588-95J1K0E	95J1K0E	1K	.95	.23					
588-95J2K0E	95J2K0E	2K	.95	.23					
588-95J5K0E	95J5K0E	5K	.95	.23					
588-95J10K0E	95J10K0E	10K	.95	.23					
588-95J15K0E	95J15K0E	15K	.95	.23					
588-95J20K0E	95J20K0E	20K	.95	.23					
11 Watt									
588-90J1R0E	90J1R0E	1.0	1.80	.34					
588-90J2R7E	90J2R7E	2.7	1.80	.34					
588-90J3R9E	90J3R9E	3.9	1.80	.34					
588-90J5R0E	90J5R0E	5.0	1.80	.34					
588-90J7R5E	90J7R5E	7.5	1.80	.34					
588-90J10R0E	90J10R0E	10	1.80	.34					
588-90J20R0E	90J20R0E	20	1.80	.34					
588-90J47R0E	90J47R0E	47	1.80	.34					
588-90J50R0E	90J50R0E	50	1.80	.34					
588-90J100E	90J100E	100	1.80	.34					
588-90J120E	90J120E	120	1.80	.34					
588-90J2K0E	90J2K0E	2K	1.80	.34					
588-90J5K0E	90J5K0E	5K	1.80	.34					
588-90J20K0E	90J20K0E	20K	1.80	.34					
588-90J27K0E	90J27K0E	27K	1.80	.34					
588-90J50K0E	90J50K0E	50K	1.80	.34					

RESISTOR MOUNTING CLIPS

Features:

- Prevents severe vibration or mechanical shock to resistor
- Increase resistor wattage up to 100% when mounted on a metal surface
- Holes in clip base permit fastening to chassis with machine screws, eyelets or rivets



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mounting Clip For	Dimensions: in.			Price Each		
		Length	Width	Height	1	10	100
588-5904E	93J series	.50	.26	.319			
588-5906E	95J series	.90	.24	.284			
588-5908E	90J series	1.75	.33	.377			

OHMITE FIXED VITREOUS ENAMEL POWER RESISTORS - 8 WATT TO 225 WATT

Cross Reference Chart

Ohmite	Clarostat	Huntington
B8J	VPR5F	FVTS-5
B12J	VPR10F	FVTS-10
L25J	VP25K	FVT-25
L50J	VP50K	FVT-50
L100J	VK100N	FVT-100
L225J	VK200W	FVT-200

Features:

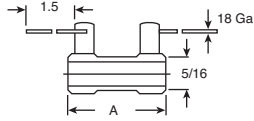
- Welded terminals
- Excellent heat dissipation
- Vitreous enamel coated

Conversion Table							
Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code
1	1R0E	75	75RE	750	750E	7.5K	7K5E
2	2R0E	100	100E	1K	1K0E	8K	8K0E
3	3R0E	125	125E	1.5K	1K5E	10K	10K0E
4	4R0E	150	150E	2K	2K0E	15K	15K0E
5	5R0E	200	200E	2.5K	2K5E	20K	20K0E
7.5	7R5E	250	250E	3K	3K0E	25K	25K0E
10	10RE	300	300E	3.5K	3K5E	40K	40K0E
25	25RE	400	400E	4K	4K0E	50K	50K0E
35	35RE	450	450E	5K	5K0E	100K	100K0E
50	50RE	500	500E	6K	6K0E		

200 Series Lug and Lead Fixed Resistors

Specifications:

- Resistance tolerance: > 1Ω: ±10%
< 1Ω: ±5%
- Temperature coefficient: < 5: ±200
> 5: ±400

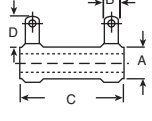


DIMENSIONS: in.

270 Series Fixed Resistors

Specifications:

- Resistance tolerance: ±5%
- Temperature coefficient: 1 to 20Ω, ±400ppm
above 20Ω, ±260ppm



For quantities greater than listed, call for quote.

8 Watts (Uses bracket 588-5)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dim.: in. A	Price Each			
			1	25	100	250
588-B8J-Code	1, 2, 4, 5	1				
588-B8J-Code	10, 75, 100, 200, 250, 500	1				
588-B8J-Code	1K, 1.5K	1				
588-B8J-Code	3K, 5K	1				
588-B8J-Code	10K, 15K	1				
588-B8J-Code	20K	1				

12 Watts (Uses bracket 588-5)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dim.: in. A	Price Each			
			1	25	100	250
588-B12J-Code	2, 3, 5	1 3/4				
588-B12J-Code	10, 35, 50, 75, 100, 200, 250, 400	1 3/4				
588-B12J-Code	1K, 1.5K	1 3/4				
588-B12J-Code	2K, 3K, 3.5K	1 3/4				
588-B12J-Code	5K	1 3/4				
588-B12J-Code	10K, 15K	1 3/4				
588-B12J-Code	20K, 25K	1 3/4				
588-B12J-Code	50K	1 3/4				

20 Watts (Uses bracket 588-7)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dim.: in. A	Price Each			
			1	25	100	250
588-B20J-Code	1, 2, 5, 7.5, 10, 15, 25, 50	2				
588-B20J-Code	100, 250, 500, 1K, 1.5K, 2K	2				
588-B20J-Code	5K, 6K, 10K	2				
588-B20J-Code	15K, 20K, 25K	2				

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions: in.				Price Each		
		A	B	C	D	1	25	100
MOUSER STOCK NO. 588-9								
L25J, 25 Watts Uses Bracket 588-9								
588-L25J-Code	1	9/16	1/4	2	9/16			
588-L25J-Code	2, 3, 4, 5	9/16	1/4	2	9/16			
588-L25J-Code	10, 25, 50, 75, 100, 150, 250, 750	9/16	1/4	2	9/16			
588-L25J-Code	1K, 2K, 2.5K, 3K, 3.5K, 4K	9/16	1/4	2	9/16			
588-L25J-Code	5K	9/16	1/4	2	9/16			
588-L25J-Code	10K, 12K, 15K, 20K, 25K	9/16	1/4	2	9/16			
588-L25J-Code	50K	9/16	1/4	2	9/16			
588-L25J-Code	100K	9/16	1/4	2	9/16			
L50J, 50 Watts Uses Bracket 588-9								
588-L50J-Code	1	9/16	1/4	4	9/16			
588-L50J-Code	2, 4, 5	9/16	1/4	4	9/16			
588-L50J-Code	10, 25, 50, 75, 100, 200, 250, 500, 1K, 1.5K, 2.5K, 3K, 4K, 5K, 7.5K	9/16	1/4	4	9/16			
588-L50J-Code	10K, 20K	9/16	1/4	4	9/16			
588-L50J-Code	25K, 50K	9/16	1/4	4	9/16			
588-L50J-Code	100K	9/16	1/4	4	9/16			
L100J, 100 Watts Uses Bracket 588-12								
588-L100J-Code	1, 2	3/4	1/4	6 1/2	9/16			
588-L100J-Code	3, 4, 5	3/4	1/4	6 1/2	9/16			
588-L100J-Code	10, 25, 50, 75	3/4	1/4	6 1/2	9/16			
588-L100J-Code	100, 250, 500, 750	3/4	1/4	6 1/2	9/16			
588-L100J-Code	1K, 2.5K, 5K	3/4	1/4	6 1/2	9/16			
588-L100J-Code	10K, 15K, 20K, 25K	3/4	1/4	6 1/2	9/16			
588-L100J-Code	50K	3/4	1/4	6 1/2	9/16			
588-L100J-Code	100K	3/4	1/4	6 1/2	9/16			
L225J, 225 Watts Uses Bracket 588-18								
588-L225J-Code	2	1 1/8	5/16	10 1/2	5/8			
588-L225J-Code	4, 5	1 1/8	5/16	10 1/2	5/8			
588-L225J-Code	10, 25, 50, 100	1 1/8	5/16	10 1/2	5/8			
588-L225J-Code	150, 250, 500, 750	1 1/8	5/16	10 1/2	5/8			
588-L225J-Code	1K, 1.5K, 2K, 2.5K, 3K, 5K	1 1/8	5/16	10 1/2	5/8			
588-L225J-Code	10K, 15K, 20K, 25K	1 1/8	5/16	10 1/2	5/8			
588-L225J-Code	50K	1 1/8	5/16	10 1/2	5/8			
588-L225J-Code	100K	1 1/8	5/16	10 1/2	5/8			

OHMITE 210 SERIES ADJUSTABLE VITREOUS ENAMEL POWER RESISTORS - 12 WATT TO 225 WATT

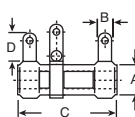
Specifications:

- Resistance tolerance: ±10%
- Temperature coefficient: ±260ppm
- Vitreous enamel coated

DIMENSIONS: in.

Cross Reference Chart

Ohmite	Clarostat	Huntington
D12K	VP10FA	AVT-12
D25K	VP25KA	AVT-25
D50K	VP50KA	AVT-50
D100K	VK100NA	AVT-100
D225K	VK200WA	AVT-200



Series	A	B	C	D
D12K	5/16	3/16	1 3/4	7/16
D25K	9/16	1/4	2	9/16
D50K	9/16	1/4	4	9/16
D100K	3/4	1/4	6 1/2	9/16
D225K	1 1/8	5/16	10 1/2	5/8

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Price Each		
		1	25	100
D12K, 12 Watts Uses Bracket 588-5				
588-D12K-Value	1.0, 2.0, 3.0, 5.0			
588-D12K-Value	10, 15, 20, 25, 50, 75, 100, 150, 200			
588-D12K-Value	250, 500, 750			
588-D12K-Value	1K, 1.5K, 2K, 2.5K, 3.5K			
588-D12K-Value	5K, 10K			
D25K, 25 Watts Uses Bracket 588-9				
588-D25K-Value	1.0, 2.0			
588-D25K-Value	3.0, 5.0, 10, 15, 20, 25, 50, 75, 100, 150, 200, 250, 500			
588-D25K-Value	750, 1K, 1.5K, 2K, 2.5K, 3.5K			
588-D25K-Value	5K, 10K			
588-D25K-Value	25K			

For quantities greater than listed, call for quote.

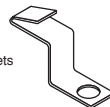
MOUSER STOCK NO.	Range of Values (Ω)	Price Each		
		1	25	100
D50K, 50 Watts Uses Bracket 588-9				
588-D50K-Value	1.0, 2.0, 3.0			
588-D50K-Value	5.0			
588-D50K-Value	10, 25, 50,			
588-D50K-Value	100, 250, 500, 750			
588-D50K-Value	1K, 2K, 2.5K,			
588-D50K-Value	5K, 10K, 25K			
D100K, 100 Watts Uses Bracket 588-12				
588-D100K-Value	1.0			
588-D100K-Value	2.0, 3.0, 5.0, 10			
588-D100K-Value	25, 50, 100, 250, 500			
588-D100K-Value	1K, 1.5K, 2.5K,			
588-D100K-Value	10K, 25K			
D225K, 225 Watts Uses Bracket 588-18				
588-D225K-Value	1.0			
588-D225K-Value	2.0, 3.0			
588-D225K-Value	5.0			
588-D225K-Value	10, 25, 50			
588-D225K-Value	100, 250, 500, 1K, 10K			

RESISTOR MOUNTING BRACKETS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	May Be Used With These Resistors	Price Each	
		1	10
588-5E	B8J, B12J, D12K		
588-7-E	B20J		
588-9E	L25J, L50J, D25K, D50K		

Requires 2 brackets per resistor.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	May Be Used With These Resistors	Price Each	
		1	10
588-12-E	L100J, D100K		
588-18-E	L255J, D252K		

250 SERIES STACKOHM 5% VITREOUS ENAMEL RESISTORS

These oval-shaped ceramic core Stackohm resistors feature a low profile to permit installation in spaces with minimal height. They are also equipped with integral mounting brackets so they can be fastened to a chassis and stacked in locations with limited surface area. When properly fastened, the mounting brackets add a heat sinking benefit resulting in a smaller size per watt.

Features:

- Small size to power ratio
- Low profile and stackable
- Integral mounting bracket conducts heat to mounting surface
- All welded construction

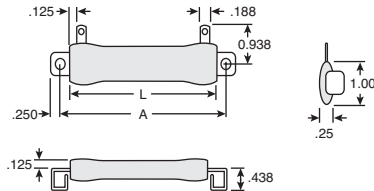
Specifications:

- Tolerance: 5%
- Overload: 5 times rated wattage for 5 seconds
- Dielectric withstanding voltage: 1000VAC
- Temperature Coefficient: 1 to 20Ω: ±400ppm/°C
Over 20Ω: ±260ppm/°C



RoHS Compliant

DIMENSIONS: in.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Values (Ω)	Dimensions: in.		Price Each			
		A	L	1	10	25	50
30 Watt							
588-F30J1R0E	1.0	2.00	1.25				
588-F30J5R0E	5.0	2.00	1.25				
588-F30J15RE	15	2.00	1.25				
588-F30J25RE	25	2.00	1.25				
588-F30J50RE	50	2.00	1.25				
588-F30J100E	100	2.00	1.25				
40 Watt							
588-F40J5R0E	5.0	2.75	2.00				
588-F40J25RE	25	2.75	2.00				
588-F40J50RE	50	2.75	2.00				
588-F40J100E	100	2.75	2.00				
588-F40J500E	500	2.75	2.00				
588-F40J2K0E	2K	2.75	2.00				
588-F40J10KE	10K	2.75	2.00				
55 Watt							
588-F55J5R0E	5.0	4.25	3.50				
588-F55J25RE	25	4.25	3.50				
588-F55J50RE	50	4.25	3.50				
588-F55J100E	100	4.25	3.50				
588-F55J250E	250	4.25	3.50				

Power Resistors

280 SERIES CORRIB VITREOUS ENAMEL FIXED AND ADJUSTABLE POWER RESISTORS

Corrib resistors are ideal for applications involving high currents at very low resistance values. These large, heavy-duty resistors are designed to withstand frequent start-stop cycles characteristic of motor starting, dynamic braking, and other similar applications.

Features:

- Ribbed Construction aids in rapid cooling
- Designed for equipment requiring low resistance loads at low ohmic values and high current capacity
- Hollow-cored for secure attachment to chassis using thru bolts and brackets

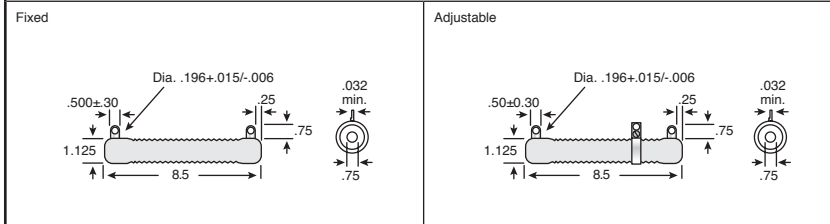
Specifications:

- Tolerance: 10%
- Temperature Coefficient: ± 400ppm/°C
- Dielectric withstanding Voltage: 1000VAC
- Overload: 10 time rated wattage for 5 seconds



RoHS Compliant

DIMENSIONS: in.



For quantities greater than listed, call for quote.

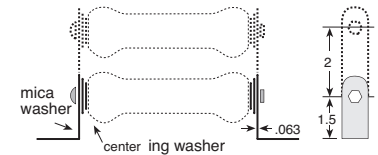
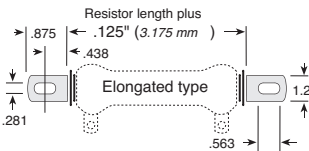
MOUSER STOCK NO.	Values (Ω)	Price Each			
		1	10	25	50
300 Watts Fixed					
588-C300KR10E	0.1				
588-C300KR12E	0.12				
588-C300K1R0E	1.0				
588-C300K2R0E	2.0				
588-C300K3R1E	3.1				
588-C300K5R0E	5.0				
588-C300K20RE	20				
300 Watts Adjustable					
588-E300KR10E	0.1				
588-E300KR25E	0.25				
588-E300KR31E	0.31				
588-E300KR40E	0.4				
588-E300KR80E	0.8				
588-E300K1R6E	1.6				
588-E300K2R5E	2.5				
588-E300K4R0E	4.0				
588-E300K6R3E	6.3				
588-E300K8R0E	8.0				
588-E300K16RE	16				
588-E300K20RE	20				

OHMITE RESISTOR MOUNTING BRACKET KIT

- Kit includes 2 each bracket, bolt, washers (centering, mica, lock) and nut

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Price Each		
	1	10	50
588-6128P-8.5E			



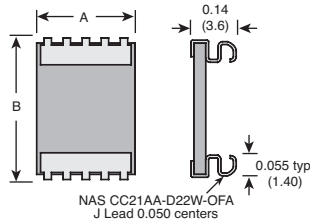
MC SERIES HIGH VOLTAGE THICK FILM POWER RESISTORS

Features:

- Non-inductive design
- Low Voltage coefficient
- Pd Ag terminations
- J-bend terminals for applications involving shock and vibration

Applications:

- Medical instrumentation
- Power supplies
- Avionics
- Light Magnification Systems



NAS CC21AA-D22W-0FA
J Lead 0.050 centers



Series	Dimensions: in. (mm)		
	A	B	B Max.
MC102	0.25" (6.35)	0.50" (12.70)	0.54" (13.72)

For quantities greater than listed, call for quote.

Specifications:

- Material**
- Resistor: Thick film on Alumina

Electrical

- Resistance range: 100Ω to 5,000 MΩ
- Power Rating: 0.5W to 2.0W
- Voltage Rating: 5.0KV (Available from 2.0KV to 10.0KV)
- Tolerance: 0.5% to 20%
- Operating Temperature: -55°C to +180°C

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Power	Tol. %	Temp Coef.	Price Each					
						1	10	50	100	250	500
588-MC102521003JE	MC102521003JE	100K	1.5W	5%	50 ppm						
588-MC102521503JE	MC102521503JE	150K	1.5W	5%	50 ppm						
588-MC102525003JE	MC102525003JE	500K	1.5W	5%	50 ppm						
588-MC102527503JE	MC102527503JE	750K	1.5W	5%	50 ppm						
588-MC102521004JE	MC102521004JE	1M	1.5W	5%	50 ppm						
588-MC102521504JE	MC102521504JE	1.5M	1.5W	5%	50 ppm						
588-MC102525004JE	MC102525004JE	2.5M	1.5W	5%	50 ppm						
588-MC102521005JE	MC102521005JE	10M	1.5W	5%	50 ppm						
588-MC102525005JE	MC102525005JE	50M	1.5W	5%	50 ppm						
588-MC102521006JE	MC102521006JE	100M	1.5W	5%	100 ppm						

OHMITE Resistors and Shunts

OHMITE

OHMITE G SERIES CAPACITOR DISCHARGE RESISTORS

Specifications:

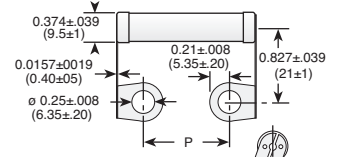
- Temperature Range: -55°C to 200°C
- Terminal Strength: >25N
- Derating: 25°C to 350°C, Linearly
- TCR: ±100 ppm/°C
- Tolerance: ±5%, ±1% available

Features:

- High Power Dissipation up to 13W @25°C
- Specially Designed to meet Repetitive Pulse Loading
- Corrosion Resistant Terminals for long life
- Superior Vibration Resistance
- IEC 115-1 Reference Standard



RoHS Compliant



DIMENSIONS: in. (mm)

Dimensions "P": in. (mm)	
GW10	0.866 (22.0)
GW13	1.252 (31.8)

10 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each		
			1	10	100
588-GW10J1K00E	GW10J1K00E	1K			
588-GW10J2K50E	GW10J2K50E	2.5K			
588-GW10J5K00E	GW10J5K00E	5K			
588-GW10J7K50E	GW10J7K50E	7.5K			
588-GW10J10K0E	GW10J10K0E	10K			
588-GW10J15K0E	GW10J15K0E	15K			
588-GW10J20K0E	GW10J20K0E	20K			
588-GW10J25K0E	GW10J25K0E	25K			
588-GW10J40K0E	GW10J40K0E	40K			
588-GW10J50K0E	GW10J50K0E	50K			
588-GW10J75K0E	GW10J75K0E	75K			

13 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each		
			1	10	100
588-GW13J1K00E	GW13J1K00E	1K			
588-GW13J2K50E	GW13J2K50E	2.5K			
588-GW13J5K00E	GW13J5K00E	5K			
588-GW13J7K50E	GW13J7K50E	7.5K			
588-GW13J10K0E	GW13J10K0E	10K			
588-GW13J15K0E	GW13J15K0E	15K			
588-GW13J20K0E	GW13J20K0E	20K			
588-GW13J25K0E	GW13J25K0E	25K			
588-GW13J40K0E	GW13J40K0E	40K			
588-GW13J50K0E	GW13J50K0E	50K			
588-GW13J75K0E	GW13J75K0E	75K			

OHMITE TAP SERIES HEAT SINKABLE PLANAR RESISTORS

The Ohmite TAP series delivers 600, 800, and 1000 watts of reliable power to a variety of power conditioning, power transmission and power control applications. Designed for use in liquid or air cooled heat sink systems, applications include: power supplies, robotics, power conditioning, power distribution, and other power designs.

A

B

C

- Dielectric Strength: Up to 12KV
- Special design for low inductive and capacitance values
- Easy termination to contacts with M5 screws

- Operating temperature range: -55°C to +150°C
- Max Working Voltage: 5000V
- Temperature Coefficient: ±150ppm

- Low inductance
- Electric support is high alumina content ceramic metallized on the bottom for ideal heat transfer and optimum discharge
- Easy load connecting with M4 or M5 screws (not included)
- Max Working Voltage: 5000V
- Temperature Coefficient: ±150ppm

- Power Rating: 1000W or 2000W @ 85°C mounting plate
- Small footprint
- High Energy Rating
- Low Inductance
- High Dielectric strength (6KV)

- Resistor element electrically isolated
- Max Working Voltage: 2000V
- Temperature Coefficient: ±250ppm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Fig.	Value (Ω)	Price Each		
				1	10	25
600 Watt						
588-TAP600K2R0E	TAP600K2R0E	A	2.0			
588-TAP600K3R0E	TAP600K3R0E	A	3.0			
588-TAP600K100E	TAP600K100E	A	100			
800 Watt						
588-TAP800K1R0E	TAP800K1R0E	B	1			
588-TAP800K5R0E	TAP800K5R0E	B	5			
588-TAP800K10RE	TAP800K10RE	B	10			
588-TAP800K15RE	TAP800K15RE	B	15			
588-TAP800K50RE	TAP800K50RE	B	50			
588-TAP800K100E	TAP800K100E	B	100			
588-TAP800K220E	TAP800K220E	B	220			
588-TAP800K390E	TAP800K390E	B	390			
588-TAP800K680E	TAP800K680E	B	680			
588-TAP800K1K0E	TAP800K1K0E	B	1K			
588-TAP800K2K7E	TAP800K2K7E	B	2.7K			
588-TAP800K5K0E	TAP800K5K0E	B	5K			
588-TAP800K10KE	TAP800K10KE	B	10K			
1000 Watt						
588-TA1K0PH2R50KE	TA1K0PH2R50KE	C	2.5			
588-TA1K0PH8R00KE	TA1K0PH8R00KE	C	8.0			

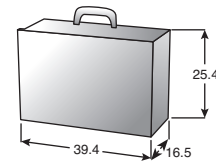
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Fig.	Value (Ω)	Price Each		
				1	10	25
1000 Watt (Cont.)						
588-TA1K0PH10R0KE	TA1K0PH10R0KE	C	10			
588-TA1K0PH15R0KE	TA1K0PH15R0KE	C	15			
588-TA1K0PH25R0KE	TA1K0PH25R0KE	C	25			
588-TA1K0PH30R0KE	TA1K0PH30R0KE	C	30			
588-TA1K0PH50R0KE	TA1K0PH50R0KE	C	50			
2000 Watt						
588-TA2K0PHR50KE	TA2K0PHR50KE	C	0.5			
588-TA2K0PH1R0KE	TA2K0PH1R0KE	C	1			
588-TA2K0PH2R5KE	TA2K0PH2R5KE	C	2.5			
588-TA2K0PH5R0KE	TA2K0PH5R0KE	C	5			
588-TA2K0PH7R5KE	TA2K0PH7R5KE	C	7.5			
588-TA2K0PH10RKE	TA2K0PH10RKE	C	10			
588-TA2K0PH15RKE	TA2K0PH15RKE	C	15			
588-TA2K0PH25RKE	TA2K0PH25RKE	C	25			
588-TA2K0PH50RKE	TA2K0PH50RKE	C	50			
588-TA2K0PH100KE	TA2K0PH100KE	C	100			
588-TA2K0PH250KE	TA2K0PH250KE	C	250			
588-TA2K0PH500KE	TA2K0PH500KE	C	500			
588-TA2K0PH750KE	TA2K0PH750KE	C	750			
588-TA2K0PH1K0KE	TA2K0PH1K0KE	C	1000			

OHMITE RESISTOR KITS

Ohmite Cabinet Product Assortments conveniently house some of our most popular products in sturdy, wall-mountable steel cabinets.

DIMENSIONS: mm



RoHS Compliant

MOUSER STOCK NO.	Ohmite Part No.	Range of Values (Ω)	Description	Series	Price Each
588-CAB-SMDMETFL	CAB-SMDMETFL	0.001-0.05	SMD metal foil current sense resistor kit, as low as 0.001Ohms, 1 Watt to 5 Watts, in steel cabinet	MCS, FCSL	
588-CAB-10AXLCS	CAB-10AXLCS	0.004-0.05	Axial leaded current sense resistor kit, as low as 0.004Ohms, 1 Watt to 5 Watts, in steel cabinet	10, 14AFR	
588-CAB-LVK	CAB-LVK	0.001-0.05	4 terminal SMD, thick film current sense resistor kit, as low as 0.001Ohms, 0.5 Watt to 2 Watts, in steel cabinet	LVK	
588-CAB-TBHHS	CAB-TBHHS	0.05-2000	TO-220 power resistor kit, with heatsinks, 0.05Ohms to 2000Ohms, in steel cabinet	TBH, W, E	
588-CAB-TCHHS	CAB-TCHHS	0.05-2000	TO-220 power resistor kit, with heatsinks, 0.05Ohms to 2000Ohms, in steel cabinet	TCH, W, E	
588-CAB-TDHHS	CAB-TDHHS	0.1-1000	TO-263 SMD power resistor kit, with DA and DV yype heatsinks, 0.1Ohms to 1000Ohms, in steel cabinet	TDG, RA, DV	
588-CAB-HS1	CAB-HS1	-	Contains a range of heatsinks for use with TO-220, TO-247, TO-263 package type resistors, in steel cabinet	E,W,F,R,D,M	
588-CAB-20	CAB-20	-	Empty steel cabinet, with 20 vials and 3 blank templates to fill in contents of each drawer	-	

WFH SERIES ALUMINUM HOUSED WIREWOUND RESISTORS - 160 TO 330 WATT

Using Ohmite's flat-core winding technology, WFH wirewound resistors are housed in flat aluminum extrusions that support attachment of a heat sink. Allowing close mounting of heat-sensitive components to save pc-board space, the devices offer superior thermal-transfer characteristics compared with standard aluminum-housed wirewounds.

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tol.	Price Each			
				1	5	10	25
160 Watt							
588-WFH160LR47KE	WFH160LR47KE	0.47	10%				
588-WFH160L10RKE	WFH160L10RKE	10	10%				
588-WFH160L27RJE	WFH160L27RJE	27	5%				
588-WFH160L50RJE	WFH160L50RJE	50	5%				
588-WFH160L100JE	WFH160L100JE	100	5%				
588-WFH160L250JE	WFH160L250JE	250	5%				
588-WFH160L5K0JE	WFH160L5K0JE	5K	5%				
588-WFH160L10KJE	WFH160L10KJE	10K	5%				
230 Watt							
588-WFH230L1R0KE	WFH230L1R0KE	1	10%				
588-WFH230L5R0KE	WFH230L5R0KE	5	10%				
588-WFH230L10RKE	WFH230L10RKE	10	10%				
588-WFH230L50RJE	WFH230L50RJE	50	5%				
588-WFH230L100JE	WFH230L100JE	100	5%				
588-WFH230L150JE	WFH230L150JE	150	5%				
588-WFH230L1K0JE	WFH230L1K0JE	1K	5%				
330 Watt							
588-WFH330L1R0KE	WFH330L1R0KE	1	10%				
588-WFH330L10RKE	WFH330L10RKE	10	10%				
588-WFH330L100JE	WFH330L100JE	100	5%				
588-WFH330L150JE	WFH330L150JE	150	5%				
588-WFH330L250JE	WFH330L250JE	250	5%				

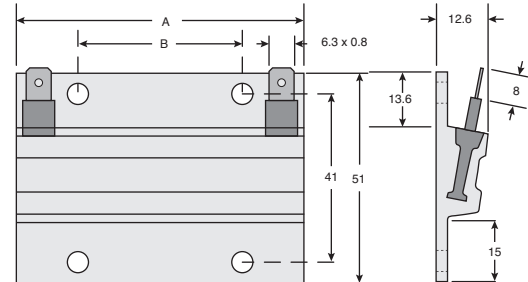
Features:

- Solder, Cable and "Fast-On" Termination
- More resistors in one profile possible

Specifications:

- Power Rating: 12-300W
- Temperature Coefficient: normal 50ppm-150ppm
- Working Voltage: 1200VAC
- Insulation: Silicone Rubber and Mica

Type	DIMENSIONS: mm	
	A	B
WFH160	140	80
WFH230	210	2x80
WFH330	280	2x100



DIMENSIONS: mm

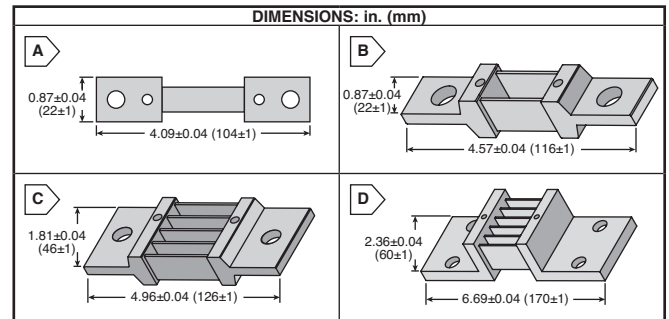
Ohmite Power Resistors

S SERIES HIGH CURRENT SHUNTS

- 100-1000A ratings
- 0.5% accuracy class
- T, L and DIN type brass terminals
- Manganin (6J13) plate resistive element construction



MOUSER STOCK NO.	Ohmite Part No.	Fig.	Terminal Type	Rated Current	Voltage (mV)	Price Each			
						1	10	25	50
588-SHD1-100C075DE	SHD1-100C075DE	A	DIN	100	75				
588-SHT1-200C075DE	SHT1-200C075DE	B	T	200	75				
588-SHT1-500C075DE	SHT1-500C075DE	C	T	500	75				
588-SHL1-1K0C075DE	SHL1-1K0C075DE	D	L	1000	75				



SH SERIES PRECISION METAL-CLAD SHUNTS

Precision metal clad resistors designed in four-terminal technique, are distinguished by high load capacity as well as excellent accuracy. Isolated voltage and current connections making them suitable for very precise current measurements. The simple four port Kelvin design ensures easy installation on large current bus bars. Units have a low inductance, heavy copper terminals. The main application is battery manufacturing test jig.

Specifications:

- Temp. Range: -55°C ~ +110°C
- Insulation Resist.: 100MΩ min.
- Dielectric Withstanding Voltage: AC 500V for 1 minute
- Rated Voltage: 1000mV
- Tolerance: ± 0.5%
- Temp. Coefficient: Max. 30ppm/°C [20°C and 60°C]

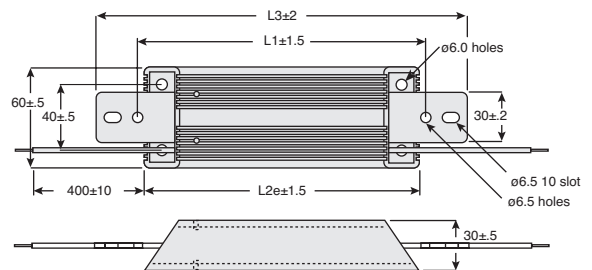
Applications:

- Battery testing
- Current detection in precise power sources
- Constant current sources
- Constant electronic loads
- Industrial power conversion circuits
- HEVs
- Fuel cells

MOUSER STOCK NO.	Ohmite Part No.	Rated Current (A)	Resistance (mΩ)	Price Each		
				1	5	10
588-SH2-100R0010DE	SH2-100R0010DE	100	1.0000			
588-SH2-150R0006DE	SH2-150R0006DE	150	0.6666			
588-SH2-200R0005DE	SH2-200R0005DE	200	0.5000			
588-SH3-250R0004DE	SH3-250R0004DE	250	0.4000			
588-SH3-300R0003DE	SH3-300R0003DE	300	0.3333			

Type	DIMENSIONS: mm		
	L1	L2	L3
SH2	146	165	225
SH3	196	215	275

RoHS Compliant



DIMENSIONS: mm

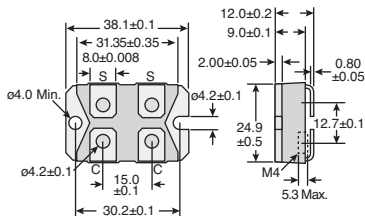
TGHG SERIES PRECISION METAL-CLAD SHUNTS

The TGHG Series uses state of the art technology to provide highly reliable, non-inductive performance. This resistor is ideal for many current monitoring and controls applications.

Features:

- Resistance values beginning at 0.5mΩ
- Non Inductive
- Four terminal Kelvin connection
- SOT 227 Package
- Four terminals to isolate measurement path from current flow path
- Accuracy in a high power package

DIMENSIONS: mm



Type	DIMENSIONS: mm		
	L1	L2	L3
SH2	146	165	225
SH3	196	215	275

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each		
			1	10	25
588-TGHGCR0005FE	TGHGCR0005FE	0.00050			
588-TGHGCR0010FE	TGHGCR0010FE	0.00100			
588-TGHGCR0020FE	TGHGCR0020FE	0.00200			
588-TGHGCR0050FE	TGHGCR0050FE	0.00500			
588-TGHGCR0100FE	TGHGCR0100FE	0.01000			
588-TGHGCR0150FE	TGHGCR0150FE	0.01500			
588-TGHGCR0200FE	TGHGCR0200FE	0.02000			
588-TGHGCR0250FE	TGHGCR0250FE	0.02500			
588-TGHGCR0500FE	TGHGCR0500FE	0.05000			
588-TGHGCR0750FE	TGHGCR0750FE	0.07500			
588-TGHGCR1000FE	TGHGCR1000FE	0.10000			

VISHAY/DALE Power Resistors



VISHAY/DALE CP SERIES WIREWOUND/METAL OXIDE, COMMERCIAL POWER RESISTORS - 5 AND 10 WATT

Features:

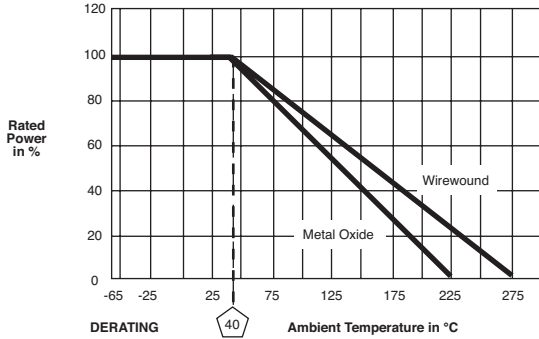
- Wirewound Resistance range 0.1-100Ω
- Metal oxide resistance range 101-50KΩ
- High performance for low cost
- High power to size ratio
- Ceramic cases are available with circuit board stand-offs
- Special inorganic potting compound and ceramic case provide high thermal conductivity in a fireproof package

Specifications:

- Humidity Performance: 75°C, 90%-100% RH, 240 hours



RoHS Compliant



DIMENSIONS: in. (mm)							
Global Model	A ±0.031 (.0794)	B ±0.031 (.0794)	C ±0.031 (.0794)	E ±0.001(0.025)		F	
				Wirewound	Metal Oxide	Wirewound ±0.125 (3.175)	Metal Oxide (Min.)
CP0005	0.875 (22.22)	0.394 (10)	0.354 (9)	0.031 (0.8)	0.031 (0.8)	1.378 (35)	1.378 (35)
CP0010	1.89 (48)	0.394 (10)	0.354 (9)	0.031 (0.8)	0.031 (0.8)	1.378 (35)	1.378 (35)

Standard Electrical Specifications				
Global Model	Power Rating P _{40°C} W	Resistance Range (Ω) ±10% Standard, ±5% Available		Weight (Typical) g
		Wirewound	Metal Oxide	
P0005	5	0.1-100	101-50K	4.8
CP0010	10	0.1-100	101-50K	9.5

Technical Specifications		
Parameter	Unit	Characteristic
Wirewound		
Temperature Coefficient	ppm/°C	±400
Short Time Overload	-	5x rated power for 5sec.
Operating Temperature Range	°C	-65/+275
Metal Oxide		
Temperature Coefficient	ppm/°C	±400
Short Time Overload	-	5x rated power for 5sec.
Operating Temperature Range	°C	-65/+275

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Tol. (%)	Price Each			
				1	25	50	100
CP5, 5 Watt							
71-CP0005R1000JE14	CP0005R1000JE14	0.1	5				
71-CP0005R2200JE14	CP0005R2200JE14	0.22	5				
71-CP0005R3300JE14	CP0005R3300JE14	0.33	5				
71-CP00054R700JE14	CP00054R700JE14	4.7	5				
71-CP00055R000JE14	CP00055R000JE14	5	5				
71-CP000510R00JE14	CP000510R00JE14	10	5				
71-CP000515R00JE14	CP000515R00JE14	15	5				
71-CP000550R00JE14	CP000550R00JE14	50	5				
71-CP0005100R0JE14	CP0005100R0JE14	100	5				
71-CP0005220R0JE14	CP0005220R0JE14	220	5				
71-CP0005470R0JE14	CP0005470R0JE14	470	5				
71-CP0005500R0JE14	CP0005500R0JE14	500	5				
71-CP00051K000JE14	CP00051K000JE14	1K	5				
CP10, 10 Watt							
71-CP0010R2200JE14	CP0010R2200JE14	0.22	5				
71-CP00101R000JE14	CP00101R000JE14	1	5				
71-CP00105R000JE14	CP00105R000JE14	5	5				
71-CP001010R00JE14	CP001010R00JE14	10	5				
71-CP0010500R0JE14	CP0010500R0JE14	500	5				
71-CP0010500R0JE14	CP0010500R0JE14	500	5				

VISHAY/DALE FP SERIES INDUSTRIAL FLAMEPROOF METAL FILM RESISTORS - 1/2, 1 AND 2 WATT

Features:

- Small physical size
- Low cost
- Can withstand overloads up to 100 times rated power without any trace of flame
- Exceptional frequency characteristics
- Especially suited for circuitry where functions, environments, and duty cycles demand power resistors
- Electroplated tin-lead solder finish leads and tighter tolerances available

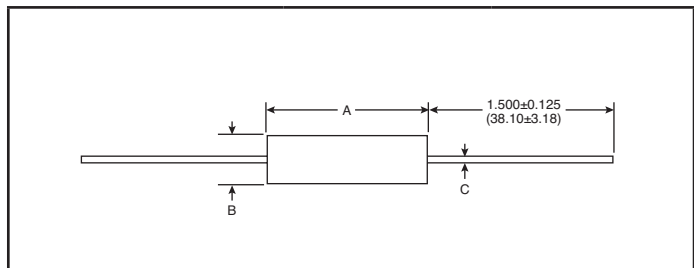
Specifications:

- Temperature Coefficient (ppm/°C): 150



RoHS Compliant

Standard Electrical Specifications						
Global Model	Historical Model	Power Rating			Voltage Rating	Resistance Range (Ω)
		P _{25°C} W	P _{40°C} W	P _{70°C} W		
FP01/2	FP1/2	-	-	0.5	350	10-1M
FP0001	FP1	-	-	1	500	10-1M
FP0002	FP2	3.5	3	2	500	9-1.5M



DIMENSIONS: in. (mm)			
Global Model	A	B	C
FP01/2	0.360±0.020 (9.14±0.51)	0.138 +0.012/-0.023 (3.51 +0.31/-0.58)	0.032±0.002 (0.81±0.05)
FP0001	0.560±0.031 (14.22±0.79)	0.190 +0.007/-0.015 (4.83 +0.18/-0.38)	0.032±0.002 (0.81±0.05)
FP0002	0.687±0.031 (17.45±0.79)	0.300±0.020 (7.62±0.51)	0.032±0.002 (0.81±0.05)

Spec Codes		
Global Model	SPEC	Description
FP01/2	5605	Color banded, 4 or 5 bands depending on tolerance
FP0001	6200	Color banded, 4 bands
	6201	Color banded, 5 bands
FP0002	9251	Alphanumeric marking

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Tol. (%)	Price Each			
				1	25	50	100
FP1/2, 1/2 Watt							
71-FP01210R0G5605EK	FP01210R0G5605EK	10	2				
71-FP01247R0G5605EK	FP01247R0G5605EK	47	2				
71-FP012270RG5605EK	FP012270RG5605EK	270	2				
71-FP012470RG5605EK	FP012470RG5605EK	470	2				
71-FP012560RG5605EK	FP012560RG5605EK	560	2				
71-FP0121K00G5605EK	FP0121K00G5605EK	1K	2				
71-FP01239K0G5605EK	FP01239K0G5605EK	39K	2				
71-FP01268K0G5605EK	FP01268K0G5605EK	68K	2				
71-FP0121M00G5605EK	FP0121M00G5605EK	1M	2				
FP1, 1 Watt							
71-FP0001220RJ6200EK	FP0001220RJ6200EK	220	5				
71-FP0001470RG6200EK	FP0001470RG6200EK	470	2				
71-FP00011K00F6201EK	FP00011K00F6201EK	1K	1				
71-FP00011K50F6201EK	FP00011K50F6201EK	1.5K	1				
71-FP00011K50J6200EK	FP00011K50J6200EK	1.5K	5				
71-FP00013K90G6200EK	FP00013K90G6200EK	3.9K	2				
71-FP000122K0F6201EK	FP000122K0F6201EK	22K	1				
71-FP000147K0G6200EK	FP000147K0G6200EK	47K	2				
71-FP000168K0G6200EK	FP000168K0G6200EK	68K	2				
71-FP0001350KF6201EK	FP0001350KF6201EK	350K	1				
71-FP0001390KG6200EK	FP0001390KG6200EK	390K	2				
FP2, 2 Watt							
71-FP000233R0J9251EK	FP000233R0J9251EK	33	5				
71-FP000256R0J9251EK	FP000256R0J9251EK	56	5				
71-FP00021K00F9251EK	FP00021K00F9251EK	1K	1				
71-FP00028K20F9251EK	FP00028K20F9251EK	8.2K	1				
71-FP000210K0F9251EK	FP000210K0F9251EK	10K	1				
71-FP000215K0J9251EK	FP000215K0J9251EK	15K	5				
71-FP0002100KF9251EK	FP0002100KF9251EK	100K	1				

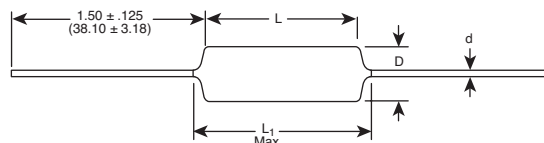
VISHAY/DALE Metal Film Resistors - 1, 2 and 3 Watt



CPF SERIES

Features:

- High power rating, small size
- Flameproof, high temperature coating
- Special filming and coating processes
- Excellent high frequency characteristics
- Low noise
- Low voltage coefficient
- Marking: Print marked-DALE, Model, Resistance value, Tolerance/Temperature Coefficient, Date Code



RoHS Compliant



LEAD-FREE

Technical Specifications

Parameter	Unit	CPF1	CPF2	CPF3
Rated Dissipation at 70°C	W	1	2	3
Limiting Element Voltage	V	250	350	500
Insulation Voltage	V-	900	900	900
Thermal Resistance	K/W	85	60	50
Insulation Resistance	Ω	10 ¹⁰	10 ¹⁰	10 ¹⁰
Category Temperature Range	°C	-65°C/+230°C	-65°C/+230°C	-65°C/+230°C

Global Model	DIMENSIONS: in. (mm)			
	L	D	L ₁ (max.)	d
CPF1	0.240 ± 0.020 (6.10 ± 0.51)	0.090 ± 0.008 (2.29 ± 0.20)	0.310 (7.87)	0.025 ± 0.002 (0.64 ± 0.05)
CPF2	0.33 ± 0.031 (8.74 ± 0.79)	0.145 ± 0.015 (3.68 ± 0.38)	0.425 (10.80)	0.032 ± 0.002 (0.81 ± 0.05)
CPF3	0.555 ± 0.041 (14.10 ± 1.04)	0.180 ± 0.015 (4.57 ± .381)	0.650 (16.51)	0.032 ± 0.002 (0.81 ± 0.05)

Power Resistors

1 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	PPM	Price Each			
				1	25	50	100
CPF1, 1 Watt							
71-CPF1R50000FLE14	CPF1R50000FLE14	0.50	150				
71-CPF1R510000FLE14	CPF1R510000FLE14	0.51	150				
71-CPF11R0000FKE14	CPF11R0000FKE14	1.0	100				
71-CPF12R0000FKE14	CPF12R0000FKE14	2.0	100				
71-CPF14R7500FKE14	CPF14R7500FKE14	4.75	100				
71-CPF15R0000FEE14	CPF15R0000FEE14	5.0	25				
71-CPF15R0000FHE14	CPF15R0000FHE14	5.0	50				
71-CPF16R2000FKE14	CPF16R2000FKE14	6.2	100				
71-CPF110R0000FHE14	CPF110R0000FHE14	10	50				
71-CPF110R0000FKE14	CPF110R0000FKE14	10	100				
71-CPF116R0000FKE14	CPF116R0000FKE14	16	100				
71-CPF133R0000FKE14	CPF133R0000FKE14	33	100				
71-CPF150R0000FEE14	CPF150R0000FEE14	50	25				
71-CPF175R0000FHE14	CPF175R0000FHE14	75	50				
71-CPF182R0000FKE14	CPF182R0000FKE14	82	100				
71-CPF1100R000FKE14	CPF1100R000FKE14	100	100				
71-CPF1150R000FKE14	CPF1150R000FKE14	150	100				
71-CPF1250R000FHE14	CPF1250R000FHE14	250	50				
71-CPF1470R000FKE14	CPF1470R000FKE14	470	100				
71-CPF1500R000FKE14	CPF1500R000FKE14	500	100				
71-CPF11K0000FKE14	CPF11K0000FKE14	1K	100				
71-CPF12K2100FKE14	CPF12K2100FKE14	2.21K	100				
71-CPF14K7500FKE14	CPF14K7500FKE14	4.75K	100				
71-CPF110K000FKE14	CPF110K000FKE14	10K	100				
71-CPF115K000FEE14	CPF115K000FEE14	15K	25				
71-CPF133K000FKE14	CPF133K000FKE14	33K	100				
71-CPF1100K00FEE14	CPF1100K00FEE14	100K	25				
71-CPF1100K00FHE14	CPF1100K00FHE14	100K	50				

2 Watt (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	PPM	Price Each			
				1	25	50	100
CPF2, 2 Watt (Cont.)							
71-CPF2470R000FKE14	CPF2470R000FKE14	470	100				
71-CPF2499R000FKE14	CPF2499R000FKE14	499	100				
71-CPF2680R000FKE14	CPF2680R000FKE14	680	100				
71-CPF21K0000FKE14	CPF21K0000FKE14	1K	100				
71-CPF21K5000FKE14	CPF21K5000FKE14	1.5K	100				
71-CPF21K8000FKE14	CPF21K8000FKE14	1.8K	100				
71-CPF22K2000FKE14	CPF22K2000FKE14	2.2K	100				
71-CPF22K7000FKE14	CPF22K7000FKE14	2.7K	100				
71-CPF23K3000FKE14	CPF23K3000FKE14	3.3K	100				
71-CPF24K7000FKE14	CPF24K7000FKE14	4.7K	100				
71-CPF25K1100FKE14	CPF25K1100FKE14	5.11K	100				
71-CPF210K000FKE14	CPF210K000FKE14	10K	100				
71-CPF212K000FKE14	CPF212K000FKE14	12K	100				
71-CPF218K000FKE14	CPF218K000FKE14	18K	100				
71-CPF222K000FKE14	CPF222K000FKE14	22K	100				
71-CPF247K000FKE14	CPF247K000FKE14	47K	100				
71-CPF249K900FKE14	CPF249K900FKE14	49.9K	100				
71-CPF256K000FKE14	CPF256K000FKE14	56K	100				
71-CPF2100K00FKE14	CPF2100K00FKE14	100K	100				
71-CPF2150K00FKE14	CPF2150K00FKE14	150K	100				

3 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	PPM	Price Each			
				1	25	50	100
CPF3, 3 Watt							
71-CPF31R0000FKE14	CPF31R0000FKE14	1.0	100				
71-CPF31R5000FKE14	CPF31R5000FKE14	1.5	100				
71-CPF38R2000FHE14	CPF38R2000FHE14	8.2	50				
71-CPF310R000FKE14	CPF310R000FKE14	10	100				
71-CPF315R000FKE14	CPF315R000FKE14	15	100				
71-CPF322R000FKE14	CPF322R000FKE14	22	100				
71-CPF351R000FKE14	CPF351R000FKE14	51	100				
71-CPF3100R000FKE14	CPF3100R000FKE14	100	100				
71-CPF3200R000FKE14	CPF3200R000FKE14	200	100				
71-CPF3249R000FKE14	CPF3249R000FKE14	249	100				
71-CPF3270R000FKE14	CPF3270R000FKE14	270	100				
71-CPF3470R000FKE14	CPF3470R000FKE14	470	100				
71-CPF3499R000FKE14	CPF3499R000FKE14	499	100				
71-CPF3820R000FKE14	CPF3820R000FKE14	820	100				
71-CPF31K0000FKE14	CPF31K0000FKE14	1K	100				
71-CPF310K000FKE14	CPF310K000FKE14	10K	100				
71-CPF320K000FKE14	CPF320K000FKE14	20K	100				
71-CPF347K000FKE14	CPF347K000FKE14	47K	100				
71-CPF3100K00FKE14	CPF3100K00FKE14	100K	50				
71-CPF3100K00FHE14	CPF3100K00FHE14	100K	100				
71-CPF3120K00FKE14	CPF3120K00FKE14	120K	100				

2 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	PPM	Price Each			
				1	25	50	100
CPF2, 2 Watt							
71-CPF2R50000FLE14	CPF2R50000FLE14	0.50	150				
71-CPF2R68000FLE14	CPF2R68000FLE14	0.68	150				
71-CPF21R0000FKE14	CPF21R0000FKE14	1.0	100				
71-CPF210R0000FHE14	CPF210R0000FHE14	10	50				
71-CPF210R0000FKE14	CPF210R0000FKE14	10	100				
71-CPF212R0000FKE14	CPF212R0000FKE14	12	100				
71-CPF215R0000FKE14	CPF215R0000FKE14	15	100				
71-CPF220R0000FKE14	CPF220R0000FKE14	20	100				
71-CPF249R9000FKE14	CPF249R9000FKE14	49.9	100				
71-CPF251R1000FKE14	CPF251R1000FKE14	51.1	100				
71-CPF282R0000FKE14	CPF282R0000FKE14	82	100				
71-CPF2100R000FKE14	CPF2100R000FKE14	100	100				
71-CPF2150R000FKE14	CPF2150R000FKE14	150	100				
71-CPF2200R000FKE14	CPF2200R000FKE14	200	100				

VISHAY/SFERNICE Power Resistors



VISHAY/SFERNICE LTO SERIES, 30 & 50 WATT THICK FILM POWER RESISTORS - TO-220 PKG. STYLE



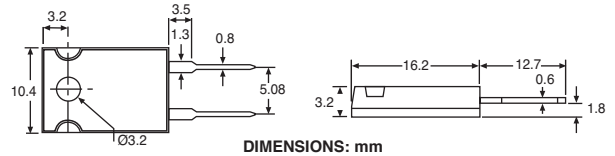
Features:

- 30 Watt at 25°C case temperature heatsink mounted
- Direct mounting ceramic on heatsink
- Broad resistance range: R010 to 550K
- Non Inductive
- TO-220 package: Compact and easy to mount
- Isolated case

Electrical Specifications:

- Resistance Range: 0.010Ω to 550KΩ
- Tolerances (Standard): 5%
- Limiting Element Voltage: 250V

LTO series are the extension of RTO types.



30 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	OHMIC Range	Price Each			
			1	10	25	50
72-LTO030FR0100JTE3	LTO030FR0100JTE3	.01				
72-LTO030FR0150JTE3	LTO030FR0150JTE3	.015				
72-LTO030FR0220JTE3	LTO030FR0220JTE3	.022				
72-LTO030FR0470JTE3	LTO030FR0470JTE3	.047				
72-LTO030FR0500JTE3	LTO030FR0500JTE3	.05				
72-LTO030FR0680JTE3	LTO030FR0680JTE3	.068				
72-LTO030FR1000JTE3	LTO030FR1000JTE3	0.1				
72-LTO030FR4700JTE3	LTO030FR4700JTE3	0.47				
72-LTO030F1R000JTE3	LTO030F1R000JTE3	1.0				
72-LTO030F2R200JTE3	LTO030F2R200JTE3	2.2				
72-LTO030F4R700JTE3	LTO030F4R700JTE3	4.7				
72-LTO030F5R000JTE3	LTO030F5R000JTE3	5.0				
72-LTO030F10R00JTE3	LTO030F10R00JTE3	10				
72-LTO030F15R00JTE3	LTO030F15R00JTE3	15				
72-LTO030F22R00JTE3	LTO030F22R00JTE3	22				
72-LTO030F47R00JTE3	LTO030F47R00JTE3	47				
72-LTO030F100R0JTE3	LTO030F100R0JTE3	100				
72-LTO030F1000JTE3	LTO030F1000JTE3	1K				
72-LTO030F10001JTE3	LTO030F10001JTE3	10K				

50 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	OHMIC Range	Price Each			
			1	10	25	50
72-LTO050FR0100JTE3	LTO050FR0100JTE3	.01				
72-LTO050FR0220JTE3	LTO050FR0220JTE3	.022				
72-LTO050FR0470JTE3	LTO050FR0470JTE3	.047				
72-LTO050FR0500JTE3	LTO050FR0500JTE3	.05				
72-LTO050FR0680JTE3	LTO050FR0680JTE3	.068				
72-LTO050FR1000JTE3	LTO050FR1000JTE3	0.1				
72-LTO050FR4700JTE3	LTO050FR4700JTE3	0.5				
72-LTO050F1R000JTE3	LTO050F1R000JTE3	1.0				
72-LTO050F2R200JTE3	LTO050F2R200JTE3	2.2				
72-LTO050F4R700JTE3	LTO050F4R700JTE3	4.7				
72-LTO050F5R000JTE3	LTO050F5R000JTE3	5.0				
72-LTO050F10R00JTE3	LTO050F10R00JTE3	10				
72-LTO050F22R00JTE3	LTO050F22R00JTE3	22				
72-LTO050F47R00JTE3	LTO050F47R00JTE3	47				
72-LTO050F100R0JTE3	LTO050F100R0JTE3	100				
72-LTO050F1000JTE3	LTO050F1000JTE3	1K				
72-LTO050F10001JTE3	LTO050F10001JTE3	10K				

VISHAY/SFERNICE LTO SERIES, 100 WATT THICK FILM POWER RESISTORS - TO-247 PKG. STYLE

Features:

- 100 Watt at 25°C case temperature heatsink mounted
- Direct mounting ceramic on heatsink
- Broad resistance range: R015 to 1M
- Non Inductive
- TO-247 package: Compact and easy to mount

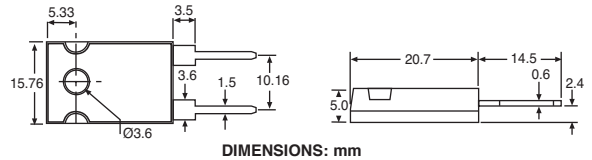
Electrical Specifications:

- Resistance Range: 0.015Ω to 1MΩ
- Tolerances (Standard): 5%
- Limiting Element Voltage: 375V

LTO series are the extension of RTO types.



LEAD-FREE RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	OHMIC Range	Price Each			
			1	10	25	50
72-LTO100FR0150JTE3	LTO100FR0150JTE3	.015				
72-LTO100FR0220JTE3	LTO100FR0220JTE3	.022				
72-LTO100FR0470JTE3	LTO100FR0470JTE3	.047				
72-LTO100FR0500JTE3	LTO100FR0500JTE3	.05				
72-LTO100FR1000JTE3	LTO100FR1000JTE3	0.10				
72-LTO100F1R000JTE3	LTO100F1R000JTE3	1.0				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	OHMIC Range	Price Each			
			1	10	25	50
72-LTO100F4R700JTE3	LTO100F4R700JTE3	4.7				
72-LTO100F10R00JTE3	LTO100F10R00JTE3	10				
72-LTO100F15R00JTE3	LTO100F15R00JTE3	15				
72-LTO100F100R0JTE3	LTO100F100R0JTE3	100				
72-LTO100F1000JTE3	LTO100F1000JTE3	1K				
72-LTO100F10001JTE3	LTO100F10001JTE3	10K				

VISHAY/SFERNICE RTO SERIES, 20 WATT 5% THICK FILM POWER RESISTORS - TO-220 PKG. STYLE

Features:

- 20 Watt at 25°C Heatsink Mounted
- High Power Dissipation to size ratio
- Negligible Inductance
- TO-220 Package
- Flat version for surface mount is available - RTOC

Specifications:

- Operating Temperature: -55°C to +155°C
- Inductance: $\leq 0.1 \mu\text{H}$
- Tolerance: 5% Standard
- Dielectric Withstanding Voltage: 2000VRMS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each				
			1	25	50	100	200
72-RTO20F-R05-5	RTO020FR0500JT	0.05					
72-RTO20F-R1-5	RTO020FR1000JT	0.1					
72-RTO20F-R5-5	RTO020FR5000JT	0.5					
72-RTO20F-1-5	RTO020F1R000JT	1					
72-RTO20F-2-5	RTO020F2R000JT	2					
72-RTO20F-5-5	RTO020F5R000JT	5					
72-RTO20F-10-5	RTO020F10R00JT	10					
72-RTO20F-20-5	RTO020F20R00JT	20					
72-RTO20F-50-5	RTO020F50R00JT	50					

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each				
			1	25	50	100	200
72-RTO20F-100R-5	RTO020F100R0JT	100					
72-RTO20F-200-5	RTO020F200R0JT	200					
72-RTO20F-500-5	RTO020F500R0JT	500					
72-RTO20F-1K-5	RTO020F1000JT	1K					
72-RTO20F-2K-5	RTO020F2000JT	2K					
72-RTO20F-5K-5	RTO020F5000JT	5K					
72-RTO20F-50K-5	RTO020F50001JT	50K					
72-RTO20F-100K-5	RTO020F10002JT	100K					
72-RTO20F-500K-5	RTO020F50002JT	500K					
72-RTO20F-1M-5	RTO020F10003JT	1M					

VISHAY/SFERNICE LPS SERIES 5% THICK FILM RESISTORS

Features:

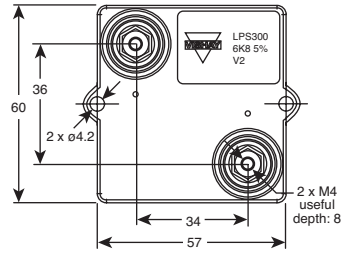
- Non-inductive
- Easy mounting
- Low thermal radiation of the case
- Resistive Element: Thick Film
- Wide resistance range: 0.30 900kΩ E24 series

Electrical Specifications:

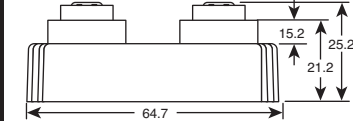
- Temperature Coefficient: ±500ppm/°C
- Limiting Element Voltage: 5kV
- Operating Temperature Range: -55°C to +120°C
- Critical Resistance: 83.33kΩ



DIMENSIONS: mm



For quantities greater than listed, call for quote.



MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	5	25	100
300 Watt						
72-LPS0300H1R00JB	LPS0300H1R00JB	1				
72-LPS0300H4R70JB	LPS0300H4R70JB	4.7				
72-LPS0300H10R0JB	LPS0300H10R0JB	10				
72-LPS0300H47R0JB	LPS0300H47R0JB	47				
72-LPS0300H1000JB	LPS0300H1000JB	100				
72-LPS0300H4700JB	LPS0300H4700JB	470				
600 Watt						
72-LPS0600H1R00JB	LPS0600H1R00JB	1				
72-LPS0600H4R70JB	LPS0600H4R70JB	4.7				
72-LPS0600H10R0JB	LPS0600H10R0JB	10				
72-LPS0600H47R0JB	LPS0600H47R0JB	47				
72-LPS0600H1000JB	LPS0600H1000JB	100				
72-LPS0600H4700JB	LPS0600H4700JB	470				
800 Watt						
72-LPS0800H1R00JB	LPS0800H1R00JB	1				
72-LPS0800H4R70JB	LPS0800H4R70JB	4.7				
72-LPS0800H10R0JB	LPS0800H10R0JB	10				
72-LPS0800H47R0JB	LPS0800H47R0JB	47				
72-LPS0800H1000JB	LPS0800H1000JB	100				
72-LPS0800H4700JB	LPS0800H4700JB	470				
1100 Watt						
72-LPS1100H1R00JB	LPS1100H1R00JB	1				
72-LPS1100H4R70JB	LPS1100H4R70JB	4.7				
72-LPS1100H10R0JB	LPS1100H10R0JB	10				
72-LPS1100H47R0JB	LPS1100H47R0JB	47				
72-LPS1100H1000JB	LPS1100H1000JB	100				
72-LPS1100H4700JB	LPS1100H4700JB	470				

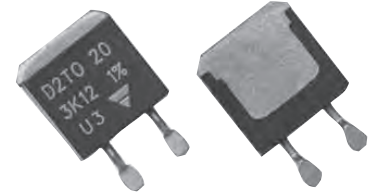
VISHAY/SFERNICE D2TO SERIES 1% SMD THICK FILM POWER RESISTORS

Features:

- AEC-Q200 qualified
- Non-inductive
- TO-263 package style
- Resistor isolated from metal tab
- Case Temperature: 20W at 25°C
- Solder reflow secure at 270°C/10s

Specifications:

- Voltage: 250
- Operating Temperature Range: -55°C to 155°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	10	25	50
Style O20 - 20 Watt						
72-D2TO020CR0100FTE3	D2TO020CR0100FTE3	0.01				
72-D2TO020CR0470FTE3	D2TO020CR0470FTE3	0.047				
72-D2TO020CR0680FTE3	D2TO020CR0680FTE3	0.068				
72-D2TO020CR1000FTE3	D2TO020CR1000FTE3	0.1				
72-D2TO020CR4700FTE3	D2TO020CR4700FTE3	0.47				
72-D2TO020C1R000FTE3	D2TO020C1R000FTE3	1				
72-D2TO020C4R700FTE3	D2TO020C4R700FTE3	4.7				
72-D2TO020C5R000FTE3	D2TO020C5R000FTE3	5				
72-D2TO020C10R00FTE3	D2TO020C10R00FTE3	10				
72-D2TO020C15R00FTE3	D2TO020C15R00FTE3	15				
72-D2TO020C22R00FTE3	D2TO020C22R00FTE3	22				
72-D2TO020C100R0FTE3	D2TO020C100R0FTE3	100				
Style O035 - 35 Watt						
72-D2TO035CR1000FTE3	D2TO035CR1000FTE3	0.1				
72-D2TO035C2R200FTE3	D2TO035C2R200FTE3	2.2				
72-D2TO035C5R000FTE3	D2TO035C5R000FTE3	5				
72-D2TO035C10R00FTE3	D2TO035C10R00FTE3	10				
72-D2TO035C22R00FTE3	D2TO035C22R00FTE3	22				
72-D2TO035C47R00FTE3	D2TO035C47R00FTE3	47				

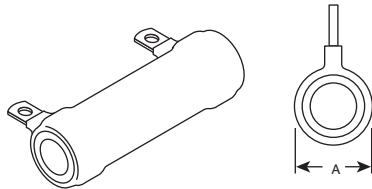
VISHAY/DALE HL SERIES SILICONE 5% WIREWOUND RESISTORS

Electrical Specifications:

- Resistance tolerance: ±5%
- Temperature coefficient: ±50PPM/°C, 1Ω to 9.9Ω ±30PPM/°C, 10Ω and above

Material Specifications:

- Core: Steatite. Chemically inert, will withstand severe thermal shock and is impervious to moisture

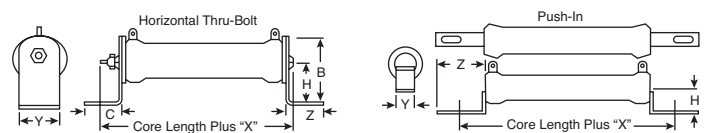


DIMENSIONS: in.

Series	A (Max.)	Core Dimensions			Terminal Setback	Standard Terminal Designation	TABLE OF STOCKED VALUES							
		Length ±1/16	O.D. ±1/32	ID ±1/32			1.0	15	150	750	10K			
HL-25	11/16	2	9/16	5/16	---	06	2.0	20	200	1.0K	15K			
HL-50	11/16	4	9/16	5/16	3/32	06	3.0	25	220	2.0K	20K			
HL-100	29/32	6 1/2	3/4	1/2	1/8	06	4.0	30	250	2.5K	25K			
HL-225	1 5/16	10 1/2	1 1/8	3/4	7/32	07	5.0	50	300	3.0K	50K			
							7.5	75	400	5.0K	100			
							10	100	500	7.5K	150K			

MOUSER STOCK NO.	Range of Values (Ω)	Price Each				
		1	10	25	50	100+
HL25, 25 Watts						
71-HL25-06Z-Value	1.0-5.0K					
71-HL25-06Z-Value	7.5K-10K					
71-HL25-06Z-Value	15K-25K					Call for Quote
71-HL25-06Z-Value	50K-100K					
HL50, 50 Watts						
71-HL50-06Z-Value	1.0-1.0K					
71-HL50-06Z-Value	2.0K-15K					
71-HL50-06Z-Value	20K-25K					Call for Quote
71-HL50-06Z-Value	50K-100K					
HL100, 100 Watts						
71-HL100-06Z-Value	1.0-1.0K					
71-HL100-06Z-Value	2.0K-25K					
71-HL100-06Z-Value	50K					Call for Quote
71-HL100-06Z-Value	100K					
HL225, 225 Watts						
71-HL225-07Z-Value	1.0-50K					
71-HL225-07Z-Value	100K-150K					Call

VISHAY/DALE HL SERIES MOUNTING BRACKETS



Horizontal Thru-Bolt

Bracket Type	DIMENSIONS: in. (mm)					
	X	H	Y	Z	Mounting Slot	C B
101	1.063 (26.99)	0.500 (12.70)	0.859 (21.83)	1.000 (25.40)	0.219 x 0.438 (5.56 x 11.11)	0.750 (19.05) 1.375 (34.93)
	1.063 (26.99)	0.750 (19.05)	0.859 (21.83)	1.250 (31.75)	0.219 x 0.438 (5.56 x 11.11)	0.750 (19.05) 1.750 (44.45)
103	1.063 (26.99)	1.250 (31.75)	1.000 (25.40)	1.500 (38.10)	0.281 x 0.563 (7.14 x 14.29)	0.875 (22.23) 2.125 (53.98)

Push-In

Bracket Type	DIMENSIONS: in. (mm)				
	X	H	Y	Z	Hole (DIA)
203E29	0.625 (15.88)	0.672 (17.07)	0.250 (6.35)	0.469 (11.91)	0.161 (4.09)
	0.813 (20.64)	1.391 (35.32)	0.500 (12.70)	0.688 (17.46)	0.196 x 0.260 (4.98 x 6.60)
206E29	0.719 (18.26)	0.969 (24.61)	0.375 (9.53)	0.625 (15.88)	0.196 x 0.260 (4.98 x 6.60)

MOUSER STOCK NO.	Mounting Hardware for	Price Each			
		1	10	20	50
Horizontal Thru-Bolt Bracket					
71-BRACKET101025E29	25 Watt				
71-BRACKET101050E29	50 Watt				
71-BRACKET102100E29	100 Watt				
71-BRACKET103225E29	225 Watt				
Push-In Bracket					
71-BRACKET203E29	25/50 Watt				
71-BRACKET206E29	100 Watt				
71-BRACKET205E29	225 Watt				

WELWYN Vitreous Enamelled Wirewound Resistors



W20 SERIES

Features:

- CECC approved
- Suitable for harsh environments
- Impervious lead free vitreous enamel coating
- Overload characteristics ideal for protection circuits
- High stability and reliability
- High power dissipation for size

Electrical Data

Commercial		W21	W22	W23	W24
Power Rating at 25°C	Watts	3.0	7.0	10.0	14.0
Resistance Range at	1% tolerance	Ohms 1R to 10K	Ohms 1R to 22K	Ohms 1R to 60K	Ohms 1R to 100K
	2% tolerance	Ohms 0R5 to 10K	Ohms 0R5 to 22K	Ohms 1R to 60K	Ohms 1R to 100K
	5% tolerance	Ohms 0R1 to 10K	Ohms 0R1 to 22K	Ohms 0R15 to 60K	Ohms 0R2 to 100K
TCR (-55° to 200°C)	pp/°C	Typically: <+75		Maximum: +200	



RoHS Compliant

W21 Series, 3 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tol. (%)	Price Each				
				1	10	100	250	500
756-W21-R10J	W21-R10J	0.1	5					
756-W21-R15J	W21-R15J	0.15	5					
756-W21-R22J	W21-R22J	0.22	5					
756-W21-R33J	W21-R33J	0.33	5					
756-W21-R47J	W21-R47J	0.47	5					
756-W21-R68J	W21-R68J	0.68	5					
756-W21-1R0J	W21-1R0J	1	5					
756-W21-1R5J	W21-1R5J	1.5	5					
756-W21-2R2J	W21-2R2J	2.2	5					
756-W21-3R3J	W21-3R3J	3.3	5					
756-W21-4R7J	W21-4R7J	4.7	5					
756-W21-6R8J	W21-6R8J	6.8	5					
756-W21-10RJ	W21-10RJ	10	5					
756-W21-15RJ	W21-15RJ	15	5					
756-W21-22RJ	W21-22RJ	22	5					
756-W21-33RJ	W21-33RJ	33	5					
756-W21-47RJ	W21-47RJ	47	5					
756-W21-68RJ	W21-68RJ	68	5					
756-W21-100RJ	W21-100RJ	100	5					
756-W21-150RJ	W21-150RJ	150	5					
756-W21-220RJ	W21-220RJ	220	5					
756-W21-330RJ	W21-330RJ	330	5					
756-W21-470RJ	W21-470RJ	470	5					
756-W21-680RJ	W21-680RJ	680	5					
756-W21-1K0J	W21-1K0J	1K	5					
756-W21-1K5J	W21-1K5J	1.5K	5					
756-W21-2K2J	W21-2K2J	2.2K	5					
756-W21-3K3J	W21-3K3J	3.3K	5					
756-W21-4K7J	W21-4K7J	4.7K	5					
756-W21-6K8J	W21-6K8J	6.8K	5					
756-W21-10KJ	W21-10KJ	10K	5					



RoHS Compliant

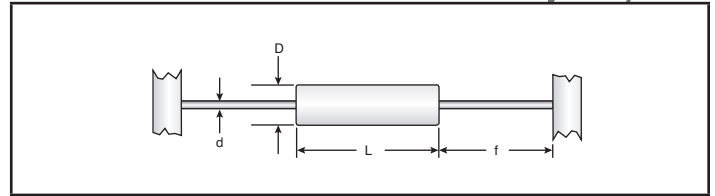
W22 Series, 7 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tol. (%)	Price Each				
				1	10	100	250	500
756-W22-R10J	W22-R10J	0.1	5					
756-W22-R15J	W22-R15J	0.15	5					
756-W22-R22J	W22-R22J	0.22	5					
756-W22-R33J	W22-R33J	0.33	5					
756-W22-R47J	W22-R47J	0.47	5					
756-W22-R68J	W22-R68J	0.68	5					
756-W22-1R0J	W22-1R0J	1	5					
756-W22-1R5J	W22-1R5J	1.5	5					
756-W22-2R2J	W22-2R2J	2.2	5					
756-W22-3R3J	W22-3R3J	3.3	5					
756-W22-4R7J	W22-4R7J	4.7	5					
756-W22-6R8J	W22-6R8J	6.8	5					
756-W22-10RJ	W22-10RJ	10	5					
756-W22-15RJ	W22-15RJ	15	5					
756-W22-22RJ	W22-22RJ	22	5					
756-W22-33RJ	W22-33RJ	33	5					
756-W22-47RJ	W22-47RJ	47	5					
756-W22-68RJ	W22-68RJ	68	5					
756-W22-100RJ	W22-100RJ	100	5					
756-W22-150RJ	W22-150RJ	150	5					
756-W22-220RJ	W22-220RJ	220	5					

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Physical Data

Dimensions (mm) & Weight (g)					
Type	L max	D max	f min	d nom	Wt. nom
W21	12.7	5.6	22.75	0.8	1
W22	22.0	8.0	23.1	0.8	2
W23	38.0	8.0	-	0.8	3.5
W24	53.5	8.0	-	0.8	5



RoHS Compliant

W22 Series, 7 Watts (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tol. (%)	Price Each				
				1	10	100	250	500
756-W22-330RJ	W22-330RJ	330	5					
756-W22-470RJ	W22-470RJ	470	5					
756-W22-680RJ	W22-680RJ	680	5					
756-W22-1K0J	W22-1K0J	1K	5					
756-W22-1K5J	W22-1K5J	1.5K	5					
756-W22-2K2J	W22-2K2J	2.2K	5					
756-W22-3K3J	W22-3K3J	3.3K	5					
756-W22-4K7J	W22-4K7J	4.7K	5					
756-W22-6K8J	W22-6K8J	6.8K	5					
756-W22-10KJ	W22-10KJ	10K	5					
756-W22-47RJ	W22-47RJ	47	5					
756-W22-68RJ	W22-68RJ	68	5					
756-W22-100RJ	W22-100RJ	100	5					
756-W22-150RJ	W22-150RJ	150	5					
756-W22-220RJ	W22-220RJ	220	5					
756-W22-330RJ	W22-330RJ	330	5					
756-W22-470RJ	W22-470RJ	470	5					
756-W22-680RJ	W22-680RJ	680	5					
756-W22-1K0J	W22-1K0J	1K	5					
756-W22-1K5J	W22-1K5J	1.5K	5					
756-W22-2K2J	W22-2K2J	2.2K	5					
756-W22-3K3J	W22-3K3J	3.3K	5					
756-W22-4K7J	W22-4K7J	4.7K	5					
756-W22-6K8J	W22-6K8J	6.8K	5					
756-W22-10KJ	W22-10KJ	10K	5					



RoHS Compliant

W23 Series, 11 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tol. (%)	Price Each				
				1	10	100	250	500
756-W23-4R7J	W23-4R7J	4.7	5					
756-W23-10RJ	W23-10RJ	10	5					
756-W23-15RJ	W23-15RJ	15	5					
756-W23-22RJ	W23-22RJ	22	5					
756-W23-68RJ	W23-68RJ	68	5					
756-W23-100RJ	W23-100RJ	100	5					
756-W23-150RJ	W23-150RJ	150	5					
756-W23-330RJ	W23-330RJ	330	5					
756-W23-1K0J	W23-1K0J	1K	5					
756-W23-4K7J	W23-4K7J	4.7K	5					
756-W23-10KJ	W23-10KJ	10K	5					
756-W23-22KJ	W23-22KJ	22K	5					
756-W23-47KJ	W23-47KJ	47K	5					



RoHS Compliant

W24 Series, 14 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tol. (%)	Price Each				
				1	10	100	250	500
756-W24-10RJ	W24-10RJ	10	5					
756-W24-22RJ	W24-22RJ	22	5					
756-W24-47RJ	W24-47RJ	47	5					
756-W24-1K0J	W24-1K0J	1K	5					
756-W24-2K2J	W24-2K2J	2.2K	5					
756-W24-4K7J	W24-4K7J	4.7K	5					
756-W24-10KJ	W24-10KJ	10	5					
756-W24-47KJ	W24-47KJ	47K	5					
756-W24-68KJ	W24-68KJ	68K	5					
756-W24-100KJ	W24-100KJ	100K	5					

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For current pricing, visit mouser.com

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WELWYN Wirewound Resistors



WELWYN ULW SERIES WIREWOUND RESISTORS

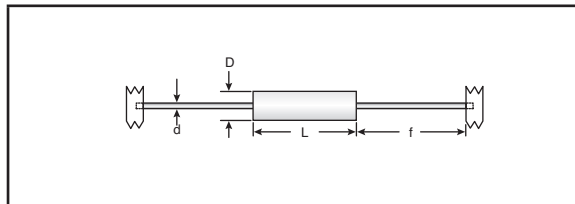
Features:

- UL 1412 recognized fusible resistor *
- Failsafe mains fusing at 120/240Vrms
- Inrush and surge withstanding
- UL94V-0 flameproof coating
- SMD leadform option available
- RoHS Compliant

*: UL file number E234469.



RoHS Compliant



Physical Data

Dimensions (mm) and Weight (g)						
Type	L max	D max	f min	d nom	PCB Mount Centres	Wt. nom
ULW2	9.0	3.6	19.8		12.7	0.5
ULW3	14.5	5.4	24.6	0.8	20.3	1.1

Electrical Data

		ULW2	ULW3
Power Rating at 25°C	Watts	2	3
5 Second Overload Rating at 25°C	Watts	10	15
Resistance Range	Ohms	22 to 100	10 to 100
TCR	ppm/°C	±200	
Isolation Voltage	Volts	250	350
UL Recognized Standard Values	Ohms	22, 33, 47, 68, 100	10, 22, 27, 33, 47, 68, 100
Thermal Impedance	°C/Watt	110	82
Ambient Temperature Range	°C	-55 to +155	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (ohm)	Tol.	Price Each		
				1	10	250
ULW2 Series						
756-ULW2-22R0JA25	ULW2-22R0JA25	22	5%			
756-ULW2-33R0JA25	ULW2-33R0JA25	33	5%			
756-ULW2-47R0JA25	ULW2-47R0JA25	47	5%			
756-ULW2-68R0JA25	ULW2-68R0JA25	68	5%			
756-ULW2-100R0JA25	ULW2-100R0JA25	100	5%			
ULW3 Series						
756-ULW3-10R0JA1	ULW3-10R0JA1	10	5%			
756-ULW3-22R0JA1	ULW3-22R0JA1	22	5%			
756-ULW3-27R0JA1	ULW3-27R0JA1	27	5%			
756-ULW3-33R0JA1	ULW3-33R0JA1	33	5%			
756-ULW3-47R0JA1	ULW3-47R0JA1	47	5%			
756-ULW3-68R0JA1	ULW3-68R0JA1	68	5%			
756-ULW3-100R0JA1	ULW3-100R0JA1	100	5%			

Power Resistors

Welwyn

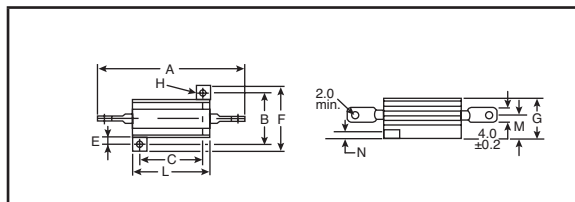
WELWYN ALUMINIUM HOUSED WIREWOUND RESISTORS

Features:

- High power dissipation up to 50W
- All welded construction
- Suitable for severe environments
- Designed for excellent thermal conductivity to heatsink
- RoHS compliant



RoHS Compliant



Physical Data

Dimensions (mm) & Weight (g)												
WH5-50												
Type	A	B	C	E	F	G	H	L	M	N	Dt	Wt.
	Max	±0.3	±0.3	Min	Max	Max	Dia±0.2	Max	±0.5	Max	Min	Nom
WH5	30	12.4	11.3	1.9	17	9	2.4	17.0	4.3	1.8	2.5	3.6
WH10	36.5	15.9	14.3	1.9	21	11	2.4	21.0	5.2	2.2	2.9	5.6
WH25	51	19.8	18.3	2.8	28	15	3.3	29.0	7.2	2.6	4.3	13
WH50	72.5	21.4	39.7	2.8	30	16	3.3	51.0	7.9	2.6	5.1	29

For quantities greater than listed, call for quote.

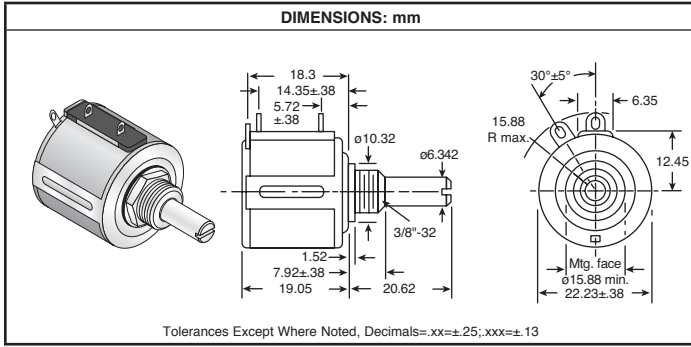
MOUSER STOCK NO.	Welwyn Part No.	Value (Ω)	Tol. %	Price Each			
				1	10	100	250
WH5 Series, 10 Watts							
756-WH5-4R7J1	WH5-4R7J1	4.7	5				
756-WH5-10RJ1	WH5-10RJ1	10	5				
756-WH5-22RJ1	WH5-22RJ1	22	5				
756-WH5-27RJ1	WH5-27RJ1	27	5				
756-WH5-33RJ1	WH5-33RJ1	33	5				
756-WH5-68RJ1	WH5-68RJ1	68	5				
756-WH5-100RJ1	WH5-100RJ1	100	5				
756-WH5-120RJ1	WH5-120RJ1	120	5				
756-WH5-330RJ1	WH5-330RJ1	330	5				
WH10 Series, 15 Watts							
756-WH10-10RJ1	WH10-10RJ1	10	5				
756-WH10-100RJ1	WH10-100RJ1	100	5				
WH25 Series, 25 Watts							
756-WH25-R10J1	WH25-R10J1	0.1	5				
756-WH25-R33J1	WH25-R33J1	0.33	5				
756-WH25-1R0J1	WH25-1R0J1	1	5				
756-WH25-1R5J1	WH25-1R5J1	1.5	5				
756-WH25-2R0J1	WH25-2R0J1	2	5				
756-WH25-2R2J1	WH25-2R2J1	2.2	5				
756-WH25-3R9J1	WH25-3R9J1	3.9	5				
756-WH25-4R7J1	WH25-4R7J1	4.7	5				
756-WH25-8K2J1	WH25-8K2J1	8.2	5				
756-WH25-10RJ1	WH25-10RJ1	10	5				
756-WH25-12RJ1	WH25-12RJ1	12	5				
756-WH25-15RJ1	WH25-15RJ1	15	5				
756-WH25-18RJ1	WH25-18RJ1	18	5				
756-WH25-22RJ1	WH25-22RJ1	22	5				
756-WH25-24RJ1	WH25-24RJ1	24	5				
756-WH25-27RJ1	WH25-27RJ1	27	5				
756-WH25-39RJ1	WH25-39RJ1	39	5				
756-WH25-47RJ1	WH25-47RJ1	47	5				
756-WH25-56RJ1	WH25-56RJ1	56	5				
756-WH25-68RJ1	WH25-68RJ1	68	5				
756-WH25-100RJ1	WH25-100RJ1	100	5				
756-WH25-220RJ1	WH25-220RJ1	220	5				
756-WH25-470RJ1	WH25-470RJ1	470	5				
756-WH25-10KJ1	WH25-10KJ1	10K	5				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Welwyn Part No.	Value (Ω)	Tol. %	Price Each			
				1	10	100	250
WH25 Series, 25 Watts (Cont.)							
756-WH25-1K0J1	WH25-1K0J1	1K	5				
756-WH25-2K2J1	WH25-2K2J1	2.2K	5				
756-WH25-3K9J1	WH25-3K9J1	3.9K	5				
756-WH25-4K7J1	WH25-4K7J1	4.7K	5				
756-WH5-330RJ1	WH5-330RJ1	330	5				
WH50 Series, 50 Watts							
756-WH50-R68J1	WH50-R68J1	0.68	5				
756-WH50-1R0J1	WH50-1R0J1	1	5				
756-WH50-2R0J1	WH50-2R0J1	2	5				
756-WH50-2R2J1	WH50-2R2J1	2.2	5				
756-WH50-4R7J1	WH50-4R7J1	4.7	5				
756-WH50-5R0J1	WH50-5R0J1	5	5				
756-WH50-5R6J1	WH50-5R6J1	5.6	5				
756-WH50-6R8J1	WH50-6R8J1	6.8	5				
756-WH50-10RJ1	WH50-10RJ1	10	5				
756-WH50-12RJ1	WH50-12RJ1	12	5				
756-WH50-15RJ1	WH50-15RJ1	15	5				
756-WH50-18RJ1	WH50-18RJ1	18	5				
756-WH50-20RJ1	WH50-20RJ1	20	5				
756-WH50-22RJ1	WH50-22RJ1	22	5				
756-WH50-24RJ1	WH50-24RJ1	24	5				
756-WH50-27RJ1	WH50-27RJ1	27	5				
756-WH50-30RJ1	WH50-30RJ1	30	5				
756-WH50-33RJ1	WH50-33RJ1	33	5				
756-WH50-47RJ1	WH50-47RJ1	47	5				
756-WH50-50RJ1	WH50-50RJ1	50	5				
756-WH50-100RJ1	WH50-100RJ1	100	5				
756-WH50-150RJ1	WH50-150RJ1	150	5				
756-WH50-180RJ1	WH50-180RJ1	180	5				
756-WH50-220RJ1	WH50-220RJ1	220	5				
756-WH50-270RJ1	WH50-270RJ1	270	5				
756-WH50-1K2J1	WH50-1K2J1	1.2K	5				
756-WH50-10KJ1	WH50-10KJ1	10K	5				
756-WH50-16KJ1	WH50-16KJ1	16K	5				
756-WH50-1K0J1	WH50-1K0J1	1K	5				
756-WH50-2K2J1	WH50-2K2J1	2.2K	5				
756-WH50-22KJ1	WH50-22KJ1	22K	5				

This product is RoHS compliant.

BOURNS 3540/3541 SERIES 10-TURN/WIREWOUND/PRECISION



Tolerances Except Where Noted, Decimals=.xx±.25;.xxx±.13

Specifications for 3540 Wirewound:

- Standard resistance range: 100-100K Ω
- Resistance tolerance: $\pm 5\%$
- Power rating: 70°C - 2W; 125°C - 0W
- Temperature range: -40°C to +125°C
- Temperature coefficient: $\pm 50\text{ppm}/^\circ\text{C}$

Specifications for 3541 Hybritron:

- Standard resistance range: 1K-100K Ω
- Resistance tolerance: $\pm 10\%$
- Power rating: 70°C - 2W; 125°C - 0W
- Temperature range: -40°C to +125°C
- Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$



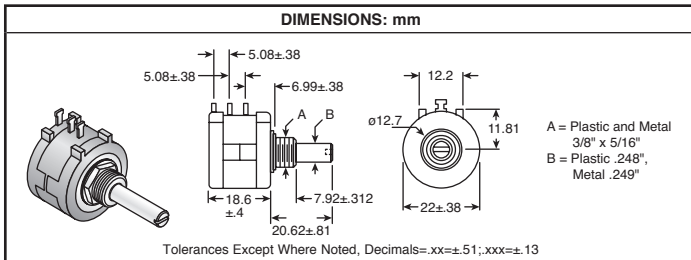
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (Ω)	Resolution	Price Each				
					1	5	10	25	50
652—3540S-1-101L			100	0.042					
652—3540S-1-201L			200	0.042					
652—3540S-1-501L			500	0.031					
652—3540S-1-102L			1K	0.027					
652—3540S-1-202L			2K	0.021					
652—3540S-1-502L			5K	0.021					
652—3540S-1-103L			10K	0.019					
652—3540S-1-203L			20K	0.014					
652—3540S-1-503L			50K	0.011					
652—3540S-1-104L			100K	0.008					

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (Ω)	Price Each				
				1	5	10	25	50
652—3541H-1-102L			1K					
652—3541H-1-502L			5K					
652—3541H-1-103L			10K					

BOURNS 3590 SERIES 10 TURN PRECISION POTENTIOMETER



Tolerances Except Where Noted, Decimals=.xx±.51;.xxx±.13

Specifications:

- Resistance tolerance: $\pm 5\%$
- Power rating: 2 Watts

Features:

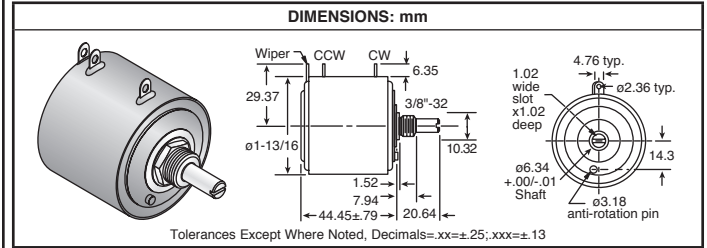
- Plastic or metal shaft and bushings
- Wirewound
- Solder lugs



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (Ω)	Resolution (%)	Price Each				
					1	5	10	25	50
Plastic Bushing and Shaft									
652—3590S-1-102L			1K	0.029					
652—3590S-1-202L			2K	0.023					
652—3590S-1-502L			5K	0.025					
652—3590S-1-103L			10K	0.020					
652—3590S-1-203L			20K	0.019					
652—3590S-1-503L			50K	0.013					
652—3590S-1-104L			100K	0.009					
Metal Bushing and Shaft									
652—3590S-2-501L			500	0.029					
652—3590S-2-102L			1K	0.029					
652—3590S-2-202L			2K	0.023					
652—3590S-2-502L			5K	0.025					
652—3590S-2-103L			10K	0.020					
652—3590S-2-203L			20K	0.019					
652—3590S-2-503L			50K	0.013					
652—3590S-2-104L			100K	0.009					

BOURNS 3400 SERIES 10-TURN WIREWOUND/PRECISION



Tolerances Except Where Noted, Decimals=.xx±.25;.xxx±.13

Features:

- Bushing mount
- Excellent wiper stability
- High stop strength
- Sealable

Specifications:

- Resistance tolerance: $\pm 3\%$
- Power rating: 5W

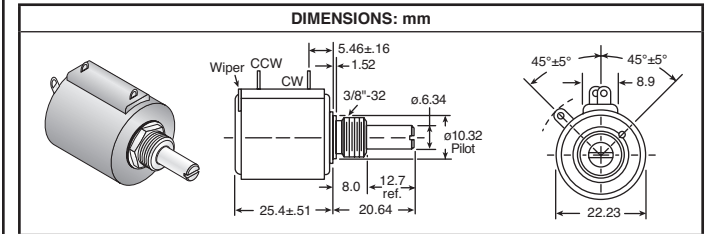


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (Ω)	Price Each				
				1	5	10	25	50
652—3400S-1-102L			1K					
652—3400S-1-103L			10K					

BOURNS 3500 SERIES 10-TURN/WIREWOUND/PRECISION



Features:

- Bushing mount
- Sealable
- Gangable

Specifications:

- Resistance tolerance: $\pm 3\%$
- Power rating: 70°C - 2W; 125°C - 0W
- Temperature range: -65°C to +125°C
- Temperature coefficient: $\pm 50\text{ppm}/^\circ\text{C}$
- Shaft Length: 13/16 Metal Bushing

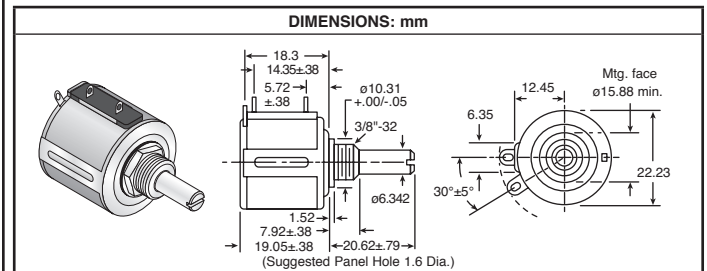


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (Ω)	Resolution	Price Each				
					1	5	10	25	50
652—3500S-2-102L			1K	0.03					
652—3500S-2-502L			5K	0.018					
652—3500S-2-103L			10K	0.019					

BOURNS 3543/3545 SERIES WIREWOUND/PRECISION



Specifications for 3543 3-Turn:

- Standard resistance range: 20-50K Ω
- Resistance tolerance: $\pm 5\%$
- Power rating: 70°C-1W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: $\pm 50\text{ppm}/^\circ\text{C}$

Specifications for 3545 5-Turn:

- Standard resistance range: 50-50K Ω
- Resistance tolerance: $\pm 5\%$
- Power rating: 70°C-1.5W; 125°C-0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: $\pm 50\text{ppm}/^\circ\text{C}$



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (Ω)	Resolution	Price Each				
					1	5	10	25	50
3-Turn									
652—3543S-1-102L			1K	0.077					
652—3543S-1-202L			2K	0.062					
652—3543S-1-502L			5K	0.047					
652—3543S-1-103L			10K	0.040					
5-Turn									
652—3545S-1-102L			1K	0.043					
652—3545S-1-502L			5K	0.038					
652—3545S-1-103L			10K	0.029					

ETI SYSTEMS Precision and Membrane Potentiometers

RoHS Compliant This product is RoHS compliant.



MEMBRANE POTENTIOMETERS

Features:

- Thickness: 0.7mm (Standard), 1.7mm (Magnetic), and 0.7mm (Hybrid)
- Linear and rotary (incl. multi-turn) designs are possible
- Excellent accuracy and linearity
- Life cycle: between 1 and 20 million operations
- Temperature ranges: up to +125°C (257°F)
- NEMA 4 sealed (IP 42) - Up to IP 671 NEMA 4X possible upon request
- Non-contact (magnetic) version with excellent product features available
- All products can be fully customized with a short lead time



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Value (Ohms)	Resistance Tol.	Operating Voltage	Price Each			
						1	10	25	50
Standard Shaft Length: 50mm									
882-SL67600162	SL67600162	A	2.5K	30%	5-30V				
Standard Shaft Length: 100mm									
882-SL67600163	SL67600163	B	2.5K	30%	5-30V				
Standard Shaft Length: 250mm									
882-SL67600164	SL67600164	C	2.5K	30%	5-30V				
Magnet Linear Foil/Foil Shaft Length: 100mm									
882-ML67600166	ML67600166	D	10	30%	5-30V				
Hybrid Linear Foil/Foil Shaft Length: 100mm									
882-HL67600165	HL67600165	E	2.5	30%	5-30V				
Standard Linear FR4 Shaft Length: 100mm									
882-FSL65400127	FSL65400127	F	10	30%	5-30V				
Standard Rotary Foil/Foil Shaft Length: 8mm									
882-SR67600167	SR67600167	G	2.5K	30%	5-30V				
882-SR67600168	SR67600168	G	2.5K	30%	5-30V				
882-SR67600169	SR67600169	G	2.5K	30%	5-30V				

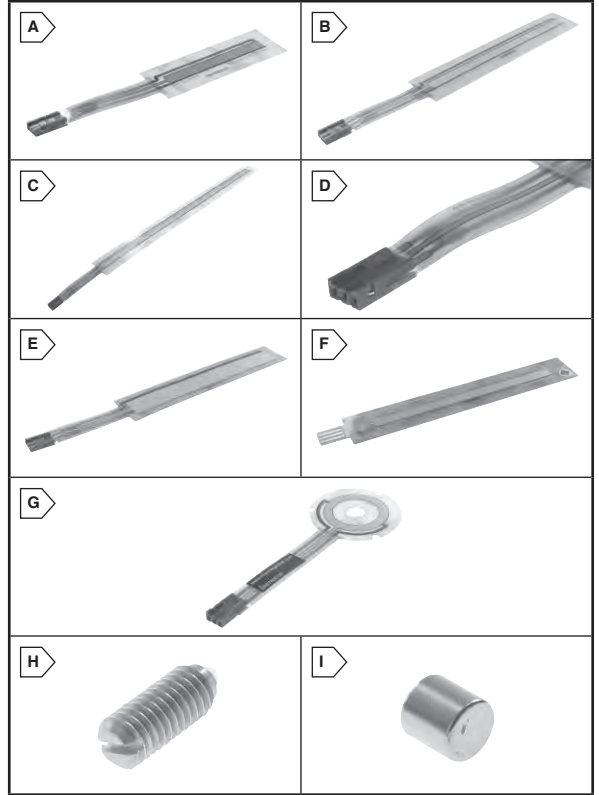
Accessories



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Description	Price Each		
				1	5	10
882-WS1-3N	WS1-3N	H	Wiper 1-3N for Standard			
882-WS2-6N	WS2-6N	H	Wiper 2-6N for Hybrid			
882-MD44-N52	MD44-N52	I	Magnet			



RV4 SERIES POTENTIOMETERS

Mechanical Specifications:

- Mechanical rotation: 314°
- Operating torque: 1 oz/in. to 6 oz/in.
- Rotational life: 25,000 cycles



RoHS Compliant

Environmental Specifications:

- Operating temperature: -65°C to +125°C
- Resistance to soldering heat: 350°C for 5 seconds
- Load life: 1000 hours at 70°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Value (Ohms)	Resistance Tol.	Operating Voltage	Price Each			
						1	10	25	50
882-RV4LAYS502A	RV4LAYS502A	A	5K	10%	500V				
882-RV4LAYS103A	RV4LAYS103A	A	10K	10%	500V				
882-RV4LAYS503A	RV4LAYS503A	A	50K	10%	500V				
882-RV4NAYS101A	RV4NAYS101A	B	100	10%	500V				
882-RV4NAYS501A	RV4NAYS501A	B	500	10%	500V				
882-RV4NAYS102A	RV4NAYS102A	B	1K	10%	500V				
882-RV4NAYS252A	RV4NAYS252A	B	2.5K	10%	500V				
882-RV4NAYS502A	RV4NAYS502A	B	5K	10%	500V				
882-RV4NAYS103A	RV4NAYS103A	B	10K	10%	500V				
882-RV4NAYS503A	RV4NAYS503A	B	50K	10%	500V				
882-RV4NAYS104A	RV4NAYS104A	B	100K	10%	500V				
882-RV4NAYS105A	RV4NAYS105A	B	1M	10%	500V				
882-RV4NAYSJ102A	RV4NAYSJ102A	C	1K	10%	500V				
882-RV4NAYSJ502A	RV4NAYSJ502A	C	5K	10%	500V				
882-RV4NAYSJ103A	RV4NAYSJ103A	C	10K	10%	500V				

RV6 SERIES POTENTIOMETERS

Mechanical Specifications:

- Mechanical rotation: 295°
- Operating torque: 5oz/in. to 6oz/in.
- Rotational life: 25,000 cycles



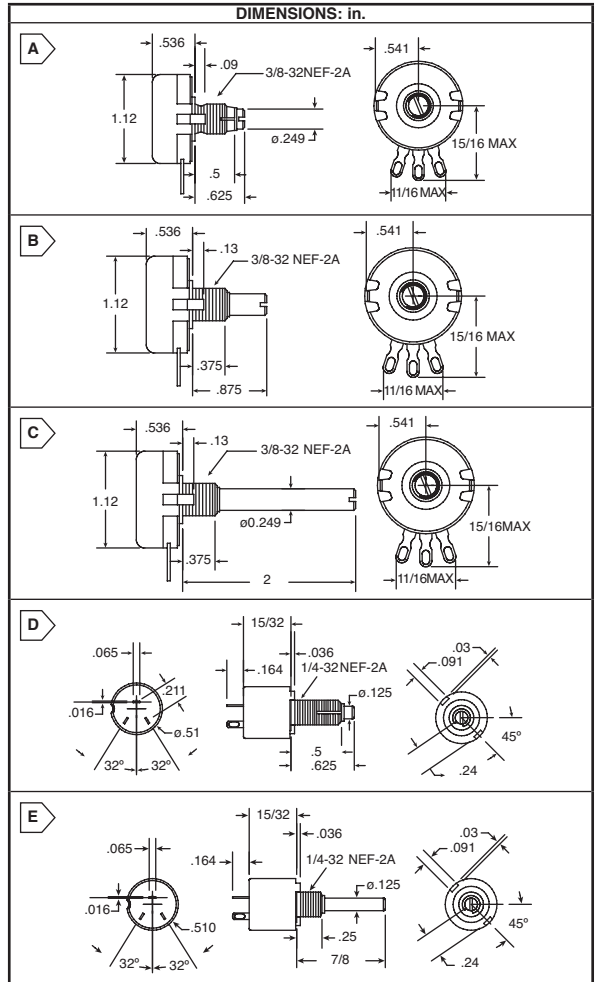
RoHS Compliant

Environmental Specifications:

- Operating temperature: -65°C to +125°C
- Resistance to soldering heat: 350°C for 5 seconds
- Load life: 1000 hours at 70°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Value (Ohms)	Resistance Tol.	Operating Voltage	Price Each			
						1	10	25	50
882-RV6LAYS102A	RV6LAYS102A	D	1K	10%	350V				
882-RV6LAYS502A	RV6LAYS502A	D	5K	10%	350V				
882-RV6LAYS103A	RV6LAYS103A	D	10K	10%	350V				
882-RV6NAYS102A	RV6NAYS102A	E	1K	10%	350V				
882-RV6NAYS502A	RV6NAYS502A	E	5K	10%	350V				
882-RV6NAYS103A	RV6NAYS103A	E	10K	10%	350V				



ETI SYSTEMS High Precision Single Turn Potentiometers

RoHS Compliant This product is RoHS compliant.



SP22E / SW22E SERIES

SP22E Series: Conductive Plastic

- Life Expectancy: 10 million turns
- Resistance Tolerance: ±15% standard (±10% available)
- Linearity Tolerance: ±1.5% standard (±1% available)
- Operating temp.: -55°C to +125°C (105°C sustained)
- Power Rating: 1 Watt
- Electrical Angle: 320°±5°
- Mechanical Angle: 320°±5°

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-SP22E-1K	SP22E-1K	A	1K			
882-SP22E-2K	SP22E-2K	A	2K			
882-SP22E-5K	SP22E-5K	A	5K			
882-SP22E-10K	SP22E-10K	A	10K			

SW22E Series: Wirewound

- Life Expectancy: 500,000 turns
- Resistance Tolerance: ±3% standard (±1.0% available)
- Linearity Tolerance: ±0.5% standard (±0.25% available)
- Power Rating: 0.5 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-SW22E-1K	SW22E-1K	A	1K			
882-SW22E-5K	SW22E-5K	A	5K			
882-SW22E-10K	SW22E-10K	A	10K			

SP22G / SP22GS SERIES

- Conductive Plastic Element, Solderable Double Turret Terminals
- Operating Temperature: -55°C to +125°C (105°C sustained)
- Resistance Tolerance: ±10% standard (±5% available)
- Linearity: ±1.0% standard (up to ±0.25% available)
- Life Expectancy: 10 million turns
- Power Rating: 1 Watt
- Electrical Angle: 340°±5°
- Mechanical Angle: 360°

SP22G Series: Conductive Plastic

- Brass Bushing, 1/4" Dia. Stainless Steel Shaft

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-SP22G-1K	SP22G-1K	B	1K			
882-SP22G-2K	SP22G-2K	B	2K			
882-SP22G-5K	SP22G-5K	B	5K			
882-SP22G-10K	SP22G-10K	B	10K			

SP22GS Series: Servo Mount, Conductive Plastic

- 1/8" Dia. Stainless Steel Shaft, Ball Bearing

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-SP22GS-1K	SP22GS-1K	C	1K			
882-SP22GS-5K	SP22GS-5K	C	5K			
882-SP22GS-10K	SP22GS-10K	C	10K			

PRECISION TURN COUNTING DIALS / POT COMBINATIONS

DW22 Series: Digital

- Uses ETI Systems Potentiometer MW22B
- Resistance Range: 100 to 100KΩ
- Resistance Tolerance: ±5% standard
- Linearity: ±0.25% standard
- Power Rating: 2 Watts
- Counts 10 turns (000 to 999 counts)
- Over the Center Lock
- Diameter -1 1/16", Extension from Panel -1.24"
- Operating Temperature: -30°C to +85°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-DW22-10-100	DW22-10-100	D	100			
882-DW22-10-1K	DW22-10-1K	D	1K			
882-DW22-10-2K	DW22-10-2K	D	2K			
882-DW22-10-5K	DW22-10-5K	D	5K			
882-DW22-10-10K	DW22-10-10K	D	10K			

DC22 Series: With Lock

- Resistance Tolerance: ±5%
- Power Rating: 2 Watts
- Operating Temperature: -30°C to +85°C
- Temp Coefficient: ±20ppm/°C
- Counts up to 10 turns (000-999)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-DC22-10-1K	DC22-10-1K	E	1K			
882-DC22-10-2K	DC22-10-2K	E	2K			
882-DC22-10-5K	DC22-10-5K	E	5K			
882-DC22-10-10K	DC22-10-10K	E	10K			

CONCENTRIC TURN COUNTING DIALS

MF46 Series: Counts 20 Turns

- 100 Dial Gradations for Exceptional Setability
- Aluminum Housing, Black Nylon Knob
- Over the Center Lock Available
- Diameter -1 13/16", Extension from Panel -1"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-MF46L-1/4	MF46L-1/4	F	Satin			

MG Series: Counts 20 Turns

- One Piece Mounting
- Over the Center Lock Available
- Diameter -7/8", Extension from Panel -1.0"
- Maximum Panel Thickness -1/4"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-MGA22L-1/4	MGA22L-1/4	G	Black			
882-MG22L-1/4	MG22L-1/4	G	Satin			

MB Series: Counts 10 Turns

- Over the Center Lock Available
- Diameter -1", Extension from Panel -1.06"
- Panel Thickness -1/16" to 1/8"

For quantities greater than listed, call for quote.

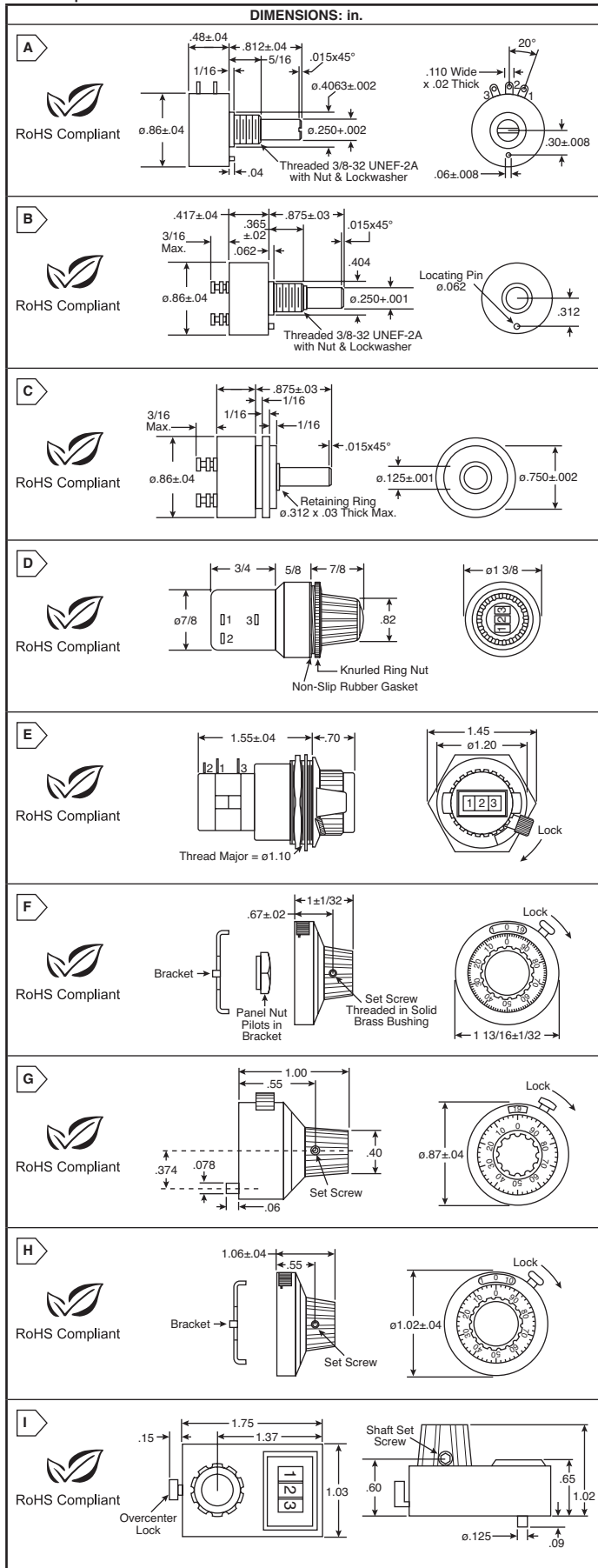
MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-MB25L-1/4	MB25L-1/4	H	Satin			
882-MBA25L-1/4	MBA25L-1/4	H	Black			

DB Series: Counts 10 Turns

- Counts up to 10 turns (000-999)
- Over the Center Lock Standard
- Height -1-3/4", Width -1", Extension from Panel -1"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-DB10SL-1/4	DB10SL-1/4	I	Satin			



ETI SYSTEMS Precision Multi-Turn Potentiometers



RoHS Compliant This product is RoHS compliant.

MW22B SERIES: MULTI-TURN WIREWOUND POTENTIOMETERS

Specifications:

- Wirewound Element: High Temperature Thermo Plastic Housing
- Life Expectancy: 1 million turns
- Resistance Tolerance: ±5% Standard (±1% special order)
- Linearity Tolerance: ±0.25% Standard (±0.1% special order)
- Torque: 0.7oz. in. max.

Applications:

- Medical Equipment (non-life support)
- Test and Lab Equipment
- Industrial Applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Power Rating (Watts)	Price Each		
					1	5	10
3 Turn							
882-MW22B-3-100	MW22B-3-100	A	100	1			
882-MW22B-3-200	MW22B-3-200	A	200	1			
882-MW22B-3-500	MW22B-3-500	A	500	1			
882-MW22B-3-1K	MW22B-3-1K	A	1K	1			
882-MW22B-3-2K	MW22B-3-2K	A	2K	1			
882-MW22B-3-5K	MW22B-3-5K	A	5K	1			
882-MW22B-3-10K	MW22B-3-10K	A	10K	1			
882-MW22B-3-20K	MW22B-3-20K	A	20K	1			
5 Turn							
882-MW22B-5-5K	MW22B-5-5K	A	5K	1			
882-MW22B-5-10K	MW22B-5-10K	A	10K	1			
10 Turn							
882-MW22B-10-100	MW22B-10-100	A	100	2			
882-MW22B-10-500	MW22B-10-500	A	500	2			
882-MW22B-10-1K	MW22B-10-1K	A	1K	2			
882-MW22B-10-2K	MW22B-10-2K	A	2K	2			
882-MW22B-10-5K	MW22B-10-5K	A	5K	2			
882-MW22B-10-10K	MW22B-10-10K	A	10K	2			
882-MW22B-10-20K	MW22B-10-20K	A	20K	2			
882-MW22B-10-50K	MW22B-10-50K	A	50K	2			
882-MW22B-10-100K	MW22B-10-100K	A	100K	2			

MH22B SERIES: HYBRID MULTI-TURN WIREWOUND POTENTIOMETERS

Specifications:

- Wirewound Element: High Temperature Thermo Plastic Housing
- Life Expectancy: 10 million turns
- Resistance Tolerance: ±10% Standard (±5% special order)

- Linearity Tolerance: ±0.25% Standard (±0.1% special order)
- Torque: 0.7oz. in. max.

Applications:

- Medical Equipment (non-life support)
- Test and Lab Equipment
- Industrial Applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Power Rating (Watts)	Price Each		
					1	5	10
3 Turn							
882-MH22B-3-5K	MH22B-3-5K	A	5K	1			
10 Turn							
882-MH22B-10-1K	MH22B-10-1K	A	1K	2			
882-MH22B-10-2K	MH22B-10-2K	A	2K	2			
882-MH22B-10-5K	MH22B-10-5K	A	5K	2			
882-MH22B-10-10K	MH22B-10-10K	A	10K	2			

MW20B SERIES: WIREWOUND POTENTIOMETERS

Specifications:

- Wirewound Element: High Impact Housing
- Life Expectancy: 2 million turns
- Resistance Tolerance: ±3% Standard (±1% special order)

- Linearity Tolerance: ±0.2% Standard (±0.1% special order)
- Torque: 0.7oz. in. max.

Applications:

- Medical Equipment (non-life support)
- Test and Lab Equipment
- Robotics Applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Power Rating (Watts)	Price Each		
					1	5	10
10 Turn							
882-MW20B-10-500	MW20B-10-500	B	500	2			
882-MW20B-10-5K	MW20B-10-5K	B	5K	2			
882-MW20B-10-10K	MW20B-10-10K	B	10K	2			

MR46B SERIES: HIGHEST PRECISION WIREWOUND POTENTIOMETERS

Specifications:

- Wirewound Element: Aluminum Anodized Housing and Servo Lid
- Stainless Steel Shaft, Silver Plated Terminals, Bushing Bearings
- Life Expectancy: 2 million turns
- Resistance Tolerance: ±3% Standard (±1% special order)

- Linearity Tolerance: ±0.3% Standard (±0.1% special order)
- Rotational Torque: 28oz. in.

Applications:

- Robotics
- Heavy Equipment
- Industrial Applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Power Rating (Watts)	Price Each		
					1	5	10
10 Turn							
882-MR46B-10-100	MR46B-10-100	C	100	5			
882-MR46B-10-5K	MR46B-10-5K	C	5K	5			
882-MR46B-10-10K	MR46B-10-10K	C	10K	5			
882-MR46B-10-100K	MR46B-10-100K	C	100K	5			

SMR SERIES: WIREWOUND SWITCHPOTS

Specifications:

- Wirewound Element: Aluminum Anodized Housing and Servo Lid
- Snap Action Switches at each end of travel
- Switches isolated from pot circuit
- Stainless Steel Shaft, Silver Plated Terminals, Bushing Bearings
- Life Expectancy: 2 million turns

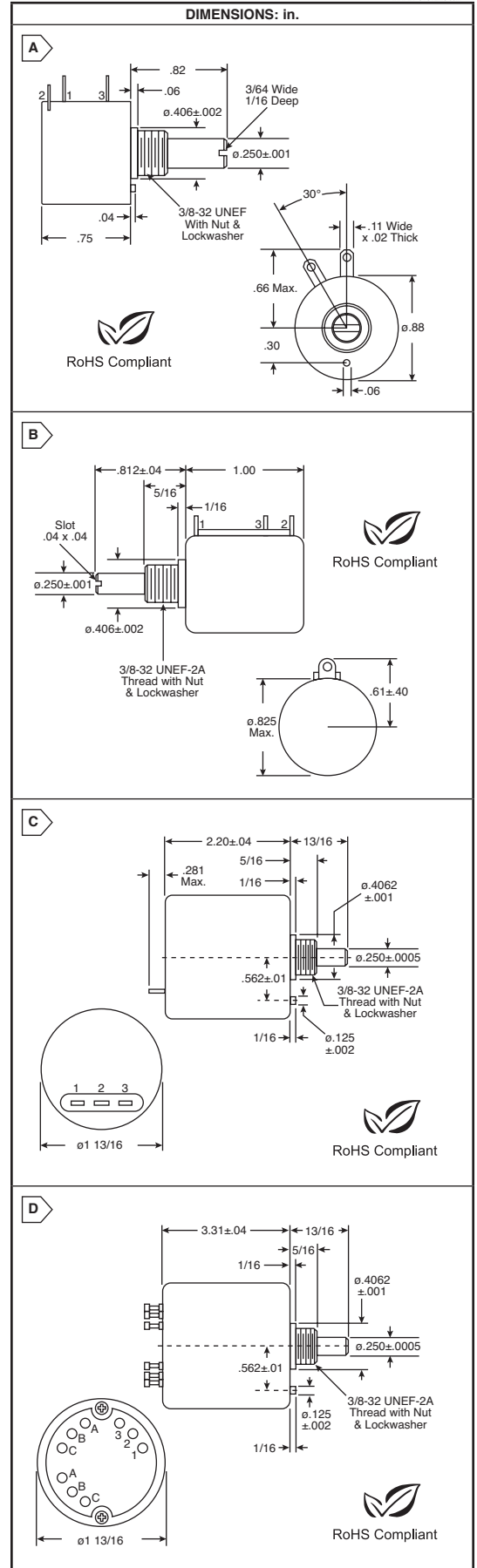
- Resistance Tolerance: ±3% Standard (±1% special order)
- Linearity Tolerance: ±0.3% Standard (±0.1% special order)
- Rotational Torque: 28oz. in.

Applications:

- Robotics
- Heavy Equipment
- Industrial Applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Power Rating (Watts)	Price Each		
					1	5	10
10 Turn							
882-SMR46B-10-1-5K	SMR46B-10-1-5K	D	5K	5			
882-SMR46B-10-1-10K	SMR46B-10-1-10K	D	10K	5			



ETI SYSTEMS Linear Potentiometers and Joysticks



RoHS Compliant This product is RoHS compliant.

CONDUCTIVE PLASTIC PRECISION LINEAR MOTION POTENTIOMETERS

LCP12 Series

- Black Anodized Aluminum Body, Stainless Steel Shaft, Gold Plated Terminals
- Life Expectancy: 20 million strokes
- Resistance Tolerance: ±20% (±10% Available)
- Electrical Stroke: 1" to 4"
- Friction: 1.8 oz.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Shaft Type	Stroke (mm)	Linearity (Ind.)	Power Rating	Dimensions: in.		Price Each		
								A	B	1	5	10
882-LCP12S-12-10K	LCP12S-12-10K	A	10K	Spring Return	12	±1.5%	0.2W	1.50	1.26			
882-LCP12B-25-5K	LCP12B-25-5K	A	5K	#5-40 Thread	25	±1.0%	0.4W	2.00	1.77			
882-LCP12S-25-1K	LCP12S-25-1K	A	1K	Spring Return	25	±1.0%	0.4W	2.00	1.77			
882-LCP12S-25-10K	LCP12S-25-10K	A	10K	Spring Return	25	±1.0%	0.4W	2.00	1.77			
882-LCP12A-50-5K	LCP12A-50-5K	A	5K	#4-40 Thread	50	±0.7%	0.7W	3.00	2.75			
882-LCP12A-50-10K	LCP12A-50-10K	A	10K	#4-40 Thread	50	±0.7%	0.7W	3.00	2.75			
882-LCP12B-50-5K	LCP12B-50-5K	A	5K	#5-40 Thread	50	±0.7%	0.7W	3.00	2.75			
882-LCP12B-50-10K	LCP12B-50-10K	A	10K	#5-40 Thread	50	±0.7%	0.7W	3.00	2.75			
882-LCP12S-50-10K	LCP12S-50-10K	A	10K	Spring Return	50	±0.7%	0.7W	3.00	2.75			
882-LCP12S-100-10K	LCP12S-100-10K	A	10K	Spring Return	100	±0.5%	1.2W	5.00	4.76			

LCP8 Series

- Life Expectancy: 20 million strokes
- Electrical Stroke: 0.433-0.500 inches
- Resistance Tolerance: ±15% (±10% Available)
- Friction: 30 grams

For quantities greater than listed, call for quote.

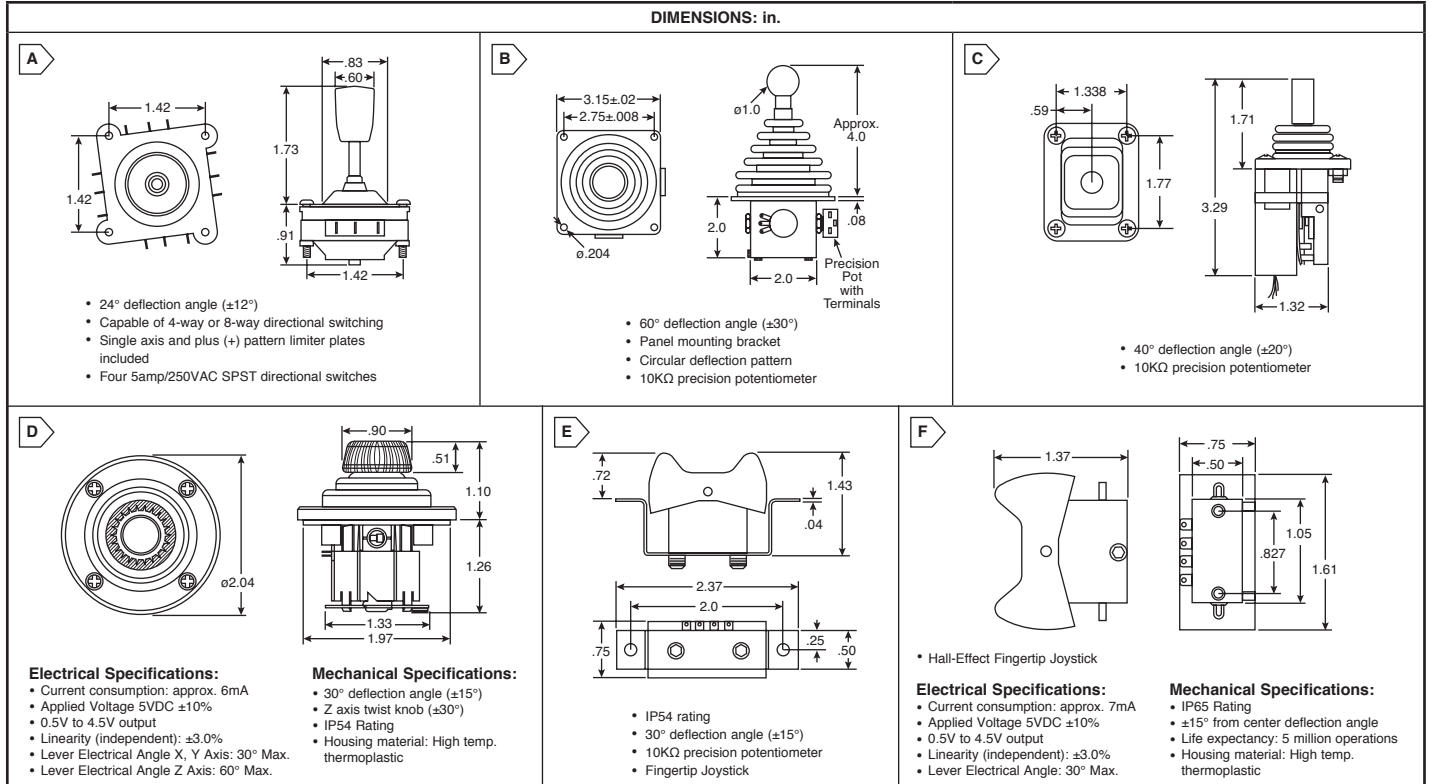
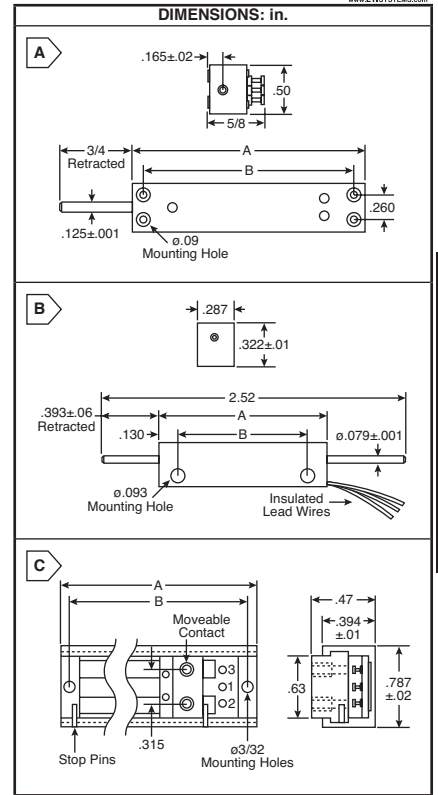
MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Shaft Type	Stroke (mm)	Linearity (Ind.)	Power Rating	Dimensions: in.		Price Each		
								A	B	1	5	10
882-LCP8P-10-5K	LCP8P-10-5K	B	5K	Plain	10	±2.0%	0.2W	1.259	1.00			
882-LCP8P-10-10K	LCP8P-10-10K	B	10K	Plain	10	±2.0%	0.2W	1.259	1.00			
882-LCP8S-10-5K	LCP8S-10-5K	B	5K	Spring Return	10	±2.0%	0.2W	1.259	1.00			
882-LCP8S-10-10K	LCP8S-10-10K	B	10K	Spring Return	10	±2.0%	0.2W	1.259	1.00			
882-LCP8T-10-10K	LCP8T-10-10K	B	10K	#2-56 Thread UNC-2A	10	±2.0%	0.2W	1.259	1.00			

LCPL SERIES: OPEN FRAME LINEAR POTENTIOMETERS

- Conductive Plastic Element
- Open Frame with Moveable Contact Slider
- Anodized Aluminum Housing, Gold Plated Brass Terminals
- Life Expectancy: 10 million strokes
- Resistance Tolerance: ±20% (±10% Available)
- Electrical Stroke: 7.874" to 39.567"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Linearity (Independent)	Power Rating	Stroke (mm)	Dimensions: in.		Price Each		
							A	B	1	5	10
882-LCPL200-5K	LCPL200-5K	C	5K	±0.5%	2.0 Watts	200	9.843	13.780			
882-LCPL300-10K	LCPL300-10K	C	10K	±0.5%	2.5 Watts	300	9.450	13.386			



HIGH PRECISION JOYSTICK CONTROLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Description	Price Each		
				1	5	10
882-J1-00105	J1-00105	A	Two Axis			
882-J50-CR20-S	J50-CR20-SMB	B	Two Axis			
882-J3L-IA10-SB	J3L-IA10-SB	C	Wide Angle Single Axis			

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Description	Price Each		
				1	5	10
882-J30H-XYZ-B	J30H-XYZ-B	D	Triple Axis Hall-Effect			
882-J3R-I-10K	J3R-I-10K	E	Rocker Pot Single Axis			
882-J3R-IT-10K	J3R-IT-10K	E	Rocker Pot Single Axis			
882-J3RH-S-1	J3RH-S-1	F	Rocker Pot Hall-Effect			

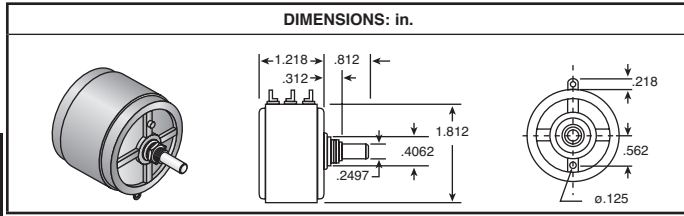
MODEL 830 THREE TURN WIREWOUND

Electrical Specifications:

- Tolerance: $\pm 3\%$, $200\Omega \leq R_t \leq 150K\Omega$
- Power rating: $3W @ 40^\circ C$ derating to $0W @ 125^\circ C$
- Electrical travel: $1,080^\circ \pm 4^\circ - 0^\circ$

Physical Specifications:

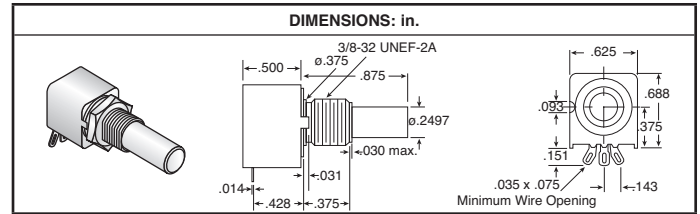
- Temperature: $-55^\circ C$ to $+125^\circ C$
- Rotational Life: 500,000 shaft revolutions
- Ganging: 2 sections max.
- 3 turn 3 watts



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range (Ω)	Resistance %	Temp. Coeff. PPM/ $^\circ C$	Price Each		
				1	5	10
594-830-1102	1K	0.050	110			
594-830-1202	2K	0.047	20			
594-830-1502	5K	0.035	20			
594-830-1103	10K	0.029	20			
594-830-1203	20K	0.024	20			
594-830-1503	50K	0.017	20			

MODEL 657 5/8" SEALED SINGLE-TURN PRECISION CONDUCTIVE PLASTIC ON ALUMINA SUBSTRATE



Mechanical Specifications:

- Rotation: $250^\circ \pm 2^\circ$
- Stop strength: 10 in-lb. max.

Features:

- Conductive plastic on alumina substrate
- Sealed

Electrical Specifications:

- Tolerance: standard $\pm 20\%$
- Linearity: $\pm 5\%$
- Rotation: $240^\circ \pm 4^\circ$
- Power rating: $1.0W @ 85^\circ C$

Environmental:

- Rotational life: 1 million cycles
- Operating temperature: $-40^\circ C$ to $+125^\circ C$

Price Each			
1	5	10	20

Value (Ω)	MOUSER STOCK NO.
1K	594-657-0-0-102
2K	594-657-0-0-202
5K	594-657-0-0-502
10K	594-657-0-0-103
20K	594-657-0-0-203
50K	594-657-0-0-503
100K	594-657-0-0-104

MODEL 860 TEN TURN WIREWOUND

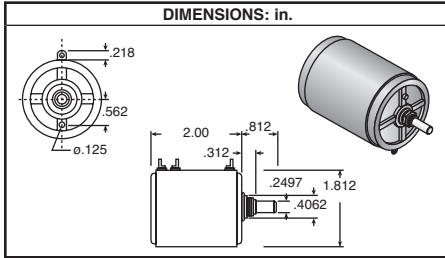
Physical Specifications:

- Temperature: $-55^\circ C$ to $+125^\circ C$
- Rotational Life: 500,000 shaft revolutions
- Ganging: 2 sections max.

Electrical Specifications:

- Tolerance: $\pm 3\%$, $200\Omega \leq R_t \leq 500K\Omega$
- Power rating: $8W @ 40^\circ C$ derating to $0W @ 125^\circ C$
- Electrical travel: $3,600^\circ \pm 4^\circ - 0^\circ$

Price Each			
1	5	10	20

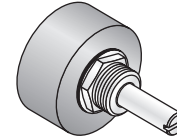


Value (Ω)	MOUSER STOCK NO.
500	594-860-1501
1K	594-860-1102
5K	594-860-1502
10K	594-860-1103

MODEL 357 7/8" SINGLE TURN CONDUCTIVE PLASTIC

Specifications:

- Plain and slotted shaft available
- Power rating: $1.0W @ 70^\circ C$ derated to $0W @ 125^\circ C$
- Linearity: $\pm 2\%$
- Tolerance: $\pm 20^\circ$
- Rotation: 360° continuous
- Nut and washer included



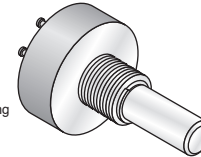
Price Each			
1	5	10	20

Value (Ω)	MOUSER STOCK NO.
1K	594-357-00-102
2K	594-357-00-202
5K	594-357-00-502
10K	594-357-00-103

MODEL 157 PRECISION - SINGLE TURN INDUSTRIAL POTENTIOMETER

Specifications:

- Power rating: $1.0W @ 40^\circ C$ derated to $0W @ 125^\circ C$
- Resistance tolerance: $\pm 20\%$
- Temperature coefficient: $\pm 60ppm/^\circ C$
- Electrical rotation: $340^\circ \pm 4^\circ$
- Rugged one piece metal housing
- No mechanical stops
- Nut and washer included on bushing mount



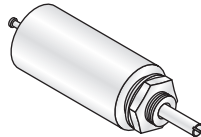
Price Each			
1	5	10	20

Value (Ω)	MOUSER STOCK NO.
1K	594-15711102
2K	594-15711202
5K	594-15711502
10K	594-15711103
20K	594-15711203
50K	594-15711503

MODEL 162 1/2" TEN TURN PRECISION WIREWOUND

Specifications:

- Body (LxD): $1.00" \times 0.50"$
- Shaft (LxD): $.687" \times .0935"$
- Power rating: $2.0W @ 40^\circ C$ derated to $0W @ 125^\circ C$
- Linearity: $\pm 0.3\%$
- Resistance tolerance: $\pm 5\%$
- Temperature coefficient: $\pm 20ppm/^\circ C$
- Temperature range: $-55^\circ C$ to $+125^\circ C$
- Electrical rotation: $3600^\circ \pm 15^\circ - 0^\circ$



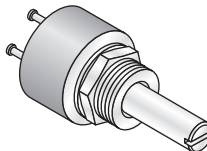
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range (Ω)	Price Each		
		1	5	10
594-16211102	1K			
594-16211103	10K			
594-16211104	100K			

MODEL 140 1/2" SINGLE-TURN PRECISION WIREWOUND

Specifications:

- Body (LxD): $.305" \times .500"$
- Shaft (LxD): $.70" \times 0.1248"$
- Power rating: $2.0W @ 40^\circ C$ derated to $0W @ 125^\circ C$
- Linearity: $\pm 1.0\%$
- Resistance tolerance: $\pm 5\%$
- Temperature coefficient: $\pm 20ppm/^\circ C$
- Temperature range: $-55^\circ C$ to $+125^\circ C$
- Electrical rotation: $320^\circ \pm 5^\circ$



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range (Ω)	Price Each			
		1	5	10	20
594-14000102	1K				
594-14000502	5K				
594-14000103	10K				
594-14000203	20K				

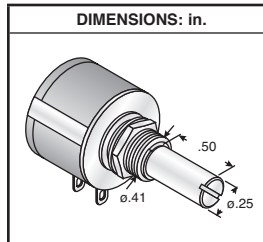
MODEL 534/536 7/8" TEN TURN PRECISION WIREWOUND

Specifications:

- Power rating at $70^\circ C$: $2.0W$ derated to $0W @ 125^\circ C$
- Tolerance: $\pm 5\%$
- Temperature coefficient: $\pm 20ppm/^\circ C$
- Temperature range: $-55^\circ C$ to $+125^\circ C$
- Linearity: 534 Series $\pm 25\%$
536 Series $\pm 20\%$

Features:

- High power rating
- Rugged integrated construction
- Superior stop strength



Metal Shaft

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range (Ω)	Price Each		
		1	5	10
594-53411101	100			
594-53411201	200			
594-53411501	500			
594-53411102	1K			
594-53411202	2K			
594-53411502	5K			
594-53411103	10K			
594-53411203	20K			
594-53411-503	50K			
594-53411104	100K			

Plastic Shaft

594-53611101	100			
594-53611201	200			
594-53611501	500			
594-53611102	1K			
594-53611202	2K			
594-53611502	5K			
594-53611103	10K			
594-53611203	20K			
594-53611503	50K			
594-53611104	100K			

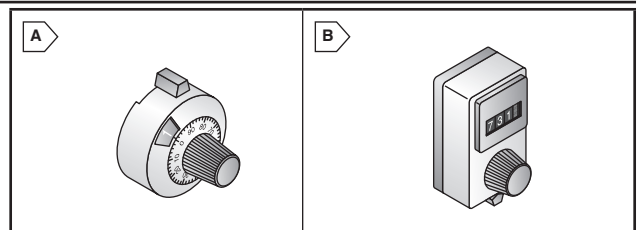
PRECISION DIALS METAL SHAFT

Features:

- Satin chrome finish
- Large, easy to read numbers
- Positive brake action
- Shaft bore is .250"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	No. of Turns	Minor Scale	Size (in.)		Price Each			
					W	H	1	5	10	20
594-11111	011-1-11	A	10	1/50	1.0	.826				
594-18111	018-1-11	A	15	1/50	.875	.875				
594-21111	021-1-11	A	15	1/100	1.81	1.0				
594-15111	015-1-11	B	10	1/100	1.0	1.75				

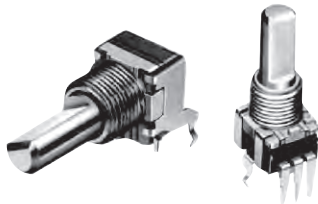


ALPS 9MM SIZE METAL SHAFT SNAP-IN POTENTIOMETERS

RK09L Series

Features:

- Shaft Type: Flat

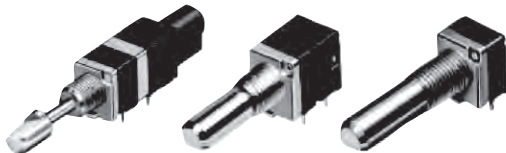


For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Length of Shaft	Total Resistance	Resistance Taper	Price Each			
Mfr.	Mfr. Part No.				1	25	50	100
Single-Unit Horizontal								
688	RK09L1120A2S	15mm	10kΩ	15A				
Single-Unit Vertical								
688	RK09L1140A5P	15mm	50kΩ	1B				
688	RK09L114001T	20mm	10kΩ	1B				
688	RK09L1140A65	25mm	5kΩ	1B				
Dual-Unit Horizontal								
688	RK09L12B0A31	15mm	50kΩ	15A				
Dual-Unit Vertical								
688	RK09L12D0A1T	20mm	10kΩ	15A				

ALPS 9MM SIZE METAL SHAFT MULTI-GANGED POTENTIOMETERS

RK097/RK098 Series



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Length of Shaft	Total Resistance	Resistance Taper	Price Each			
Mfr.	Mfr. Part No.				1	25	50	100
Single-Unit Horizontal								
688	RK097111080J	15mm	10kΩ	15A				
688	RK0971110909	15mm	20kΩ	1B				
688	RK097111050B	15mm	50kΩ	15A				
688	RK0971110D7Z	15mm	50kΩ	1B				
688	RK097111020N	15mm	50kΩ	1B				
688	RK0971110D88	20mm	10kΩ	1B				
688	RK097111091M	25mm	10kΩ	15A				
688	RK0971110D57	25mm	10kΩ	1B				
688	RK0971111Z0P	15mm	20kΩ	15A				
688	RK09711110AL	20mm	10kΩ	15A				
688	RK09711110EL	20mm	10kΩ	1B				
688	RK097111202P	25mm	10kΩ	15A				
688	RK097111202Q	25mm	10kΩ	1B				
688	RK0971114D0B	15mm	10kΩ	3B				
688	RK0971214Z06	20mm	10kΩ	1B				
688	RK0971224Z01	20mm	10kΩ	15A				
688	RK0971114Z07	20mm	10kΩ	1B				
688	RK097111T065	25mm	10kΩ	1B				
688	RK097111T064	25mm	100kΩ	15A				
688	RK097111TD2M	25mm	10kΩ	1B				
Dual-Unit Horizontal								
688	RK09712200MC	15mm	10kΩ	15A				
688	RK09712200MY	15mm	10kΩ	3B				
688	RK0971221Z05	15mm	10kΩ	3B				
688	RK097121TD57	25mm	10kΩ	1B				
688	RK097122T017	25mm	10kΩ	15A				

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ALPS 27MM SIZE METAL SHAFT POTENTIOMETERS

RK27 Series

Features:

- Shaft Types: Flat and Slotted



For quantities greater than listed, call for quote.

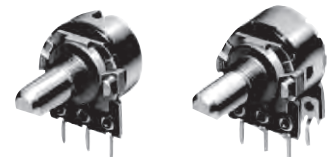
MOUSER STOCK NO.		Length of Shaft	Total Resistance	Resistance Taper	Price Each			
Mfr.	Mfr. Part No.				1	25	50	100
Single-Unit Horizontal								
688	RK271111001T	25mm	100kΩ	15A				
688	RK27111120026	25mm	100kΩ	15A				
Dual-Unit Horizontal								
688	RK27112A00AK	20mm	100kΩ	15A				
688	RK27112A00CC	25mm	100kΩ	15A				
688	RK27112A0A16	20mm	100kΩ	15A				

ALPS 16MM SIZE METAL SHAFT POTENTIOMETERS

RK163 Series

Features:

- Shaft Types: Flat and Knurled



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Length of Shaft	Total Resistance	Resistance Taper	Price Each			
Mfr.	Mfr. Part No.				1	25	50	100
Single-Unit Horizontal								
688	RK1631110TBK	15mm	10kΩ	1B				
688	RK1631110TT3	20mm	10kΩ	15A				
688	RK1631110TNP	20mm	10kΩ	1B				
Dual-Unit Horizontal								
688	RK1631210AX9	15mm	10kΩ	1B				
688	RK16312A0B85	20mm	10kΩ	15A				

ALPS 9MM SIZE INSULATED SHAFT LONG-LIFE POTENTIOMETER

Features:

- Shaft Types: Flat



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Length of Shaft	Total Resistance	Resistance Taper	Price Each			
Mfr.	Mfr. Part No.				1	25	50	100
Single-Unit Horizontal								
688	RK09Y11L0001	15mm	10kΩ	15A				

ALPS 16MM/27MM SIZE MOTOR-DRIVEN SINGLE UNIT POTENTIOMETERS

Features:

- Shaft Types: Flat



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Length of Shaft	Total Resistance	Resistance Taper	Price Each			
Mfr.	Mfr. Part No.				1	25	50	100
688	RK16812MG099	25mm	100k	3B				

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ALPS Potentiometers



ALPS 9MM SNAP-IN INSULATED SHAFT POTENTIOMETERS

DIMENSIONS: mm

Features:

- Thanks to its structure eliminating openings, the dust proofing capacity and flux resistance have been improved
- 9.8mm outline size is ideal for high-density set design.

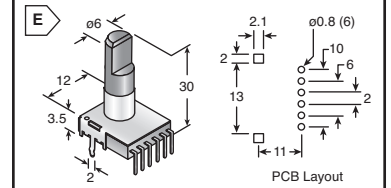
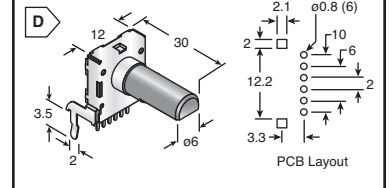
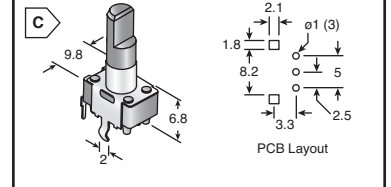
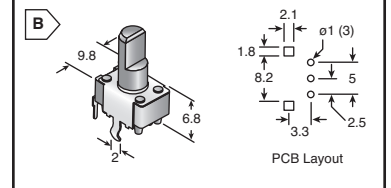
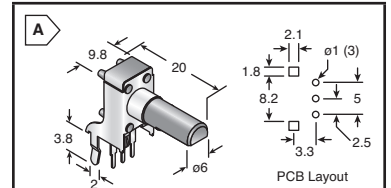
Applications:

Suitable for various control applications with audio products, visual products, electronic musical instruments.

Cross Reference	
ALPS RK09	Panasonic EVU

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Value Ohm	Fig.	Taper	Detent	Bushing	Mount	Price Each				
								1	25	100	500	1000
688-RK09D1110C0R	RK09D1110C0R	50K	A	Linear	W/O	Metal	Horizontal					
688-RK09D1130009	RK09D1130009	10K	B	Linear	Center	W/O	Vertical					
688-RK09D113000D	RK09D113000D	50K	C	Linear	Center	Metal	Vertical					
688-RK09D113000F	RK09D113000F	10K	C	Linear	Center	Metal	Vertical					
688-RK09D113000K	RK09D113000K	50K	B	Linear	Center	W/O	Vertical					
688-RK09D1130A1N	RK09D1130A1N	10K	C	Linear	W/O	Metal	Vertical					



ALPS 12MM SNAP-IN INSULATED SHAFT POTENTIOMETERS

Cross Reference	
ALPS RK12	Panasonic EVJ

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Value Ohm	Fig.	Taper	Detent	Bushing	Mount	Price Each				
								1	25	100	500	1000
688-RK12L1210C0H	RK12L1210C0H	10K	D	Audio	W/O	Metal	Horizontal					
688-RK12L1210C0K	RK12L1210C0K	20K	D	Audio	W/O	Metal	Horizontal					
688-RK12L1210C1K	RK12L1210C1K	10K	D	Linear	Center	Metal	Horizontal					
688-RK12L1210C1M	RK12L1210C1M	20K	D	Linear	Center	Metal	Horizontal					
688-RK12L1210C1N	RK12L1210C1N	50K	D	Linear	Center	Metal	Horizontal					
688-RK12L1230007	RK12L1230007	20K	E	Fader	Center	W/O	Vertical					
688-RK12L123000E	RK12L123000E	50K	E	Linear	Center	W/O	Vertical					
688-RK12L123000G	RK12L123000G	10K	E	Linear	Center	W/O	Vertical					
688-RK12L1230C03	RK12L1230C03	10K	E	Fader	Center	W/O	Vertical					
688-RK12L1230C1T	RK12L1230C1T	20K	E	Linear	Center	W/O	Vertical					
688-RK12L1230C36	RK12L1230C36	5K	E	Linear	Center	W/O	Vertical					
688-RK12L12C0A0A	RK12L12C0A0A	20K	E	Audio	W/O	W/O	Vertical					
688-RK12L12C0A0G	RK12L12C0A0G	10K	E	Audio	W/O	W/O	Vertical					
688-RK12L12C0A0H	RK12L12C0A0H	50K	E	Audio	W/O	W/O	Vertical					
688-RK12L12C0C0P	RK12L12C0C0P	5K	E	Audio	W/O	W/O	Vertical					

DIMENSIONS: mm

A

- Solderable with auto dipping.
- Available with a wide variety of detents.

B

- Suitable for Master volume control in high-grade audio equipment, fader for studio mixers, etc.

C

- Excellent operational feel by less lever wobble.
- Allows the maximum attenuation of 110dB.

D

- Soft, comfortable feel and improved operability.
- Allows maximum attenuation of 110dB.

ALPS SLIDE OPERATION POTENTIOMETERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Panasonic Cross Reference	Fig.	Value Ohm	Taper	Dimensions: mm					Unit	Style	Price Each				
						A	B	C	D	Travel			1	25	50	100	200
						688-RS45111A6A08	RS45111A6A08	EWA-P12C15B14	A	10K			Linear	56	60	15	8
688-RS45112A6A05	RS45112A6A05	EWA-P30C15A14	A	10K	Linear	56	60	15	8	45	Dual	Std					
688-RS45112A600J	RS45112A600J	- - - - -	A	10K	Audio	56	60	15	8	45	Dual	Std					
688-RS60112A600N	RS60112A600N	EWA-Q30C15A14	A	10K	Audio	71	75	15	9	60	Dual	Std					
688-RS60112A600U	RS60112A600U	- - - - -	A	20K	Audio	71	75	15	9	60	Dual	Std					
688-RS6011YA6009	RS6011YA6009	EWA-Q12C15B14	A	10K	Linear	71	75	15	9	60	Single	Std					
688-RSA0K12A9001	RSA0K12A9001	EVB-JYBP08	B	10K	10% Audio	120	132.6	8.2	13.9	100	Dual	Rail					
688-RSA0N119A02	RSA0N119A02	EVA-JQLR15B14	C	10K	Linear	120	128	8.2	16	100	Single	Thin					
688-RS60N1219A04	RS60N1219A04	EVB-NADR15A14	C	10K	Audio	80	88	8.2	16	60	Dual	Thin					
688-RSA0N11S9005	RSA0N11S9005	EVA-NF4R15A14	C	10K	Audio	120	132.6	8.2	13.9	100	Single	Mono					
688-RSA0N11S9A08	RSA0N11S9A08	EVA-NF4R15D14	C	10K	10% Audio	120	128	8.25	8.4	100	Single	Mono					
688-RS60N11S6A04	RS60N11S6A04	EVA-NE3R15B14	D	10K	Linear	80	88	14	4	60	Single	Mono					

BOURNS Guitar Potentiometers



96 SERIES 5/8" SQUARE SEALED SINGLE-TURN PANEL CONTROLS

RoHS compliant This product is RoHS compliant.

PRODUCT **NEW**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (KΩ)	Taper	Rotational Life	Terminal Configuration	Price Each		
							1	50	100
652-96A1D-G28-S15L	96A1D-G28-S15L	A	10	Audio	100,000	Pin			
652-96A1D-G28-S23L	96A1D-G28-S23L	A	500	Audio	100,000	Pin			
652-96A1D-G28-S25L	96A1D-G28-S25L	A	1M	Audio	100,000	Pin			
652-96A1D-G28-E13L	96A1D-G28-E13L	A	5	Linear	100,000	Pin			
652-96A1D-G28-E17L	96A1D-G28-E17L	A	25	Linear	100,000	Pin			
652-96A1D-G28-E22L	96A1D-G28-E22L	A	250	Linear	100,000	Pin			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Type	Each Kit Contains 6 Pieces	Price Each	
				1	50
652-H-1203	H-1203	Model 96 Premium Amplifier Potentiometer Design Kit	1 each of the following: Audio - 10k, 500k, 1M Linear - 5k, 25k, 250k		

82 SERIES GUITAR POTENTIOMETERS

Specifications:

- Power Rating (Voltage limited by power dissipation or 350VAC, whichever is less): +70°C/25 Watt
- Operating Temperature Range: -40°C to +125°C
- Standard Resistance Tolerance: 10%
- *Long Bushing

Features:

- Conductive Polymer Element
- Very Low Noise
- Single-Turn
- Standard Audio Taper

Applications:

- Electric guitars
- Bass guitars

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (KΩ)	Taper	Rotational Life	Terminal Configuration	Shaft Type	Price Each		
								1	5	10
652-82A1DZ28BA0/254L	82A1D-Z28-BA0/254L	B	250	Audio	100k cycles	J-hooks	Knurled			
652-82A1DZ28BA0/255L	82A1D-Z28-BA0/255L	B	250	Audio	100k cycles	J-hooks	Knurled			
652-82A1DA24BA0/187L	82A1D-A24-BA0/187L	B	250	Audio	100k cycles	J-hooks	Plain			
652-82Z1DZ33BA0/753L	82Z1D-Z33-BA0/753L	B	250	Audio	100k cycles	J-hooks	*Knurled			
652-82A1DA24BA0/186L	82A1D-A24-BA0/186L	B	500	Audio	100k cycles	J-hooks	Plain			
652-82Z1DZ33BA0/754L	82Z1D-Z33-BA0/754L	B	500	Audio	100k cycles	J-hooks	*Knurled			

95 SERIES GUITAR POTENTIOMETERS

Specifications:

- Contact Resistance Variation: 1% max.
- Power Rating: 0.25W
- Moisture Resistance: ±20% TRS
- IP Rating: IP 40
- Standard Resistance Tolerance: 20%

Features:

- Knurled or plain metal shaft
- Conductive polymer element
- Very low noise
- Single-turn
- 250k and 500k audio taper available

* RoHS compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (KΩ)	Taper	Rotational Life	Terminal Configuration	Shaft Type	Price Each		
								1	5	10
652-95A1DZ28EA0300L	95A1D-Z28-EA0/300L	C	250	Audio	100k cycles	Solder Lugs	Knurled			
652-95A1DZ28EA0301L	95A1D-Z28-EA0/301L	D	250	Audio	100k cycles	Solder Lugs	Plain			
652-95A1DZ28EA0302L	95A1D-Z28-EA0/302L	C	500	Audio	100k cycles	Solder Lugs	Knurled			
652-95A1DZ28EA0303L	95A1D-Z28-EA0/303L	D	500	Audio	100k cycles	Solder Lugs	Plain			

PDB181-GTR SERIES - 17MM GUITAR POTENTIOMETERS

Specifications:

- Operating Temperature Range: -10°C to +50°C
- Resistance Range: 10K to 1M ohms
- Standard Resistance Tolerance: 1%

Features:

- Carbon element
- Compact size
- Dual gang option

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (KΩ)	Taper	Rotational Life	Terminal Configuration	Shaft Type	Price Each		
								1	10	50
652-PDB181GTR02254A2	PDB181-GTR02-254A2	E	250	Audio	15k cycles	Solder Lugs	Plain			
652-PDB181GTR02504A2	PDB181-GTR02-504A2	E	500	Audio	15k cycles	Solder lugs	Plain			

PDB182-GTRB SERIES - 17MM BLEND-BALANCE GUITAR POTENTIOMETERS

Specifications:

- Taper: Linear audio
- Standard Resistance Tolerance: ±20%
- Operating Temperature: -10°C to +50°C
- Power Rating- Dual Section: 0.06 watt
- Max. Operating Voltage Audio: 150V
- Sliding Noise: 47mV Max.

Features:

- Carbon element
- Plain or knurled shaft option
- Metal bushing/metal shaft
- Center detent standard
- Rear solder lugs or PC pins
- 250K and 500K standard resistance values

- Standard M and N taper
- RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value Ω	Taper	Rotational Life	Terminal Configuration	Shaft Type	Price Each		
								1	25	100
652-PDB182GTRB1254MN	PDB182-GTRB1-254MN	F	250K	Audio	15,000	Solder Lugs	Knurled			
652-PDB182GTRB1504MN	PDB182-GTRB1-504MN	F	500K	Audio	15,000	Solder Lugs	Knurled			
652-PDB182GTRB2254MN	PDB182-GTRB2-254MN	F	250K	Audio	15,000	Solder Lugs	Plain			
652-PDB182GTRB2504MN	PDB182-GTRB2-504MN	F	500K	Audio	15,000	Solder Lugs	Plain			

PDB183-GTR SERIES - 17MM GUITAR POTENTIOMETERS W/ PUSH-PULL SWITCH

Specifications:

- Taper: Linear audio
- Standard Resistance Tolerance: ±20%
- Operating Temperature: -10°C to +50°C
- Power Rating- Linear: 0.2 watt
- Audio: 0.1 watt

- Max. Operating Voltage-Linear: 200V
- Audio: 150V
- Sliding Noise: 47mV Max.

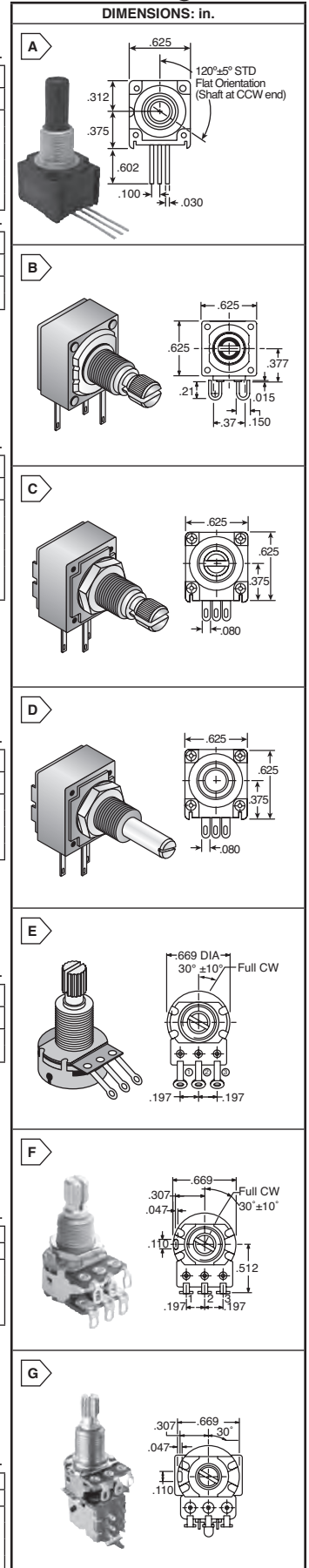
Features:

- Split knurled or plain shaft options
- DPDT push-pull switch
- Metal bushing and shaft

- Carbon element
- Audio taper options
- RoHS Compliant

For quantities greater than listed, call for quote.

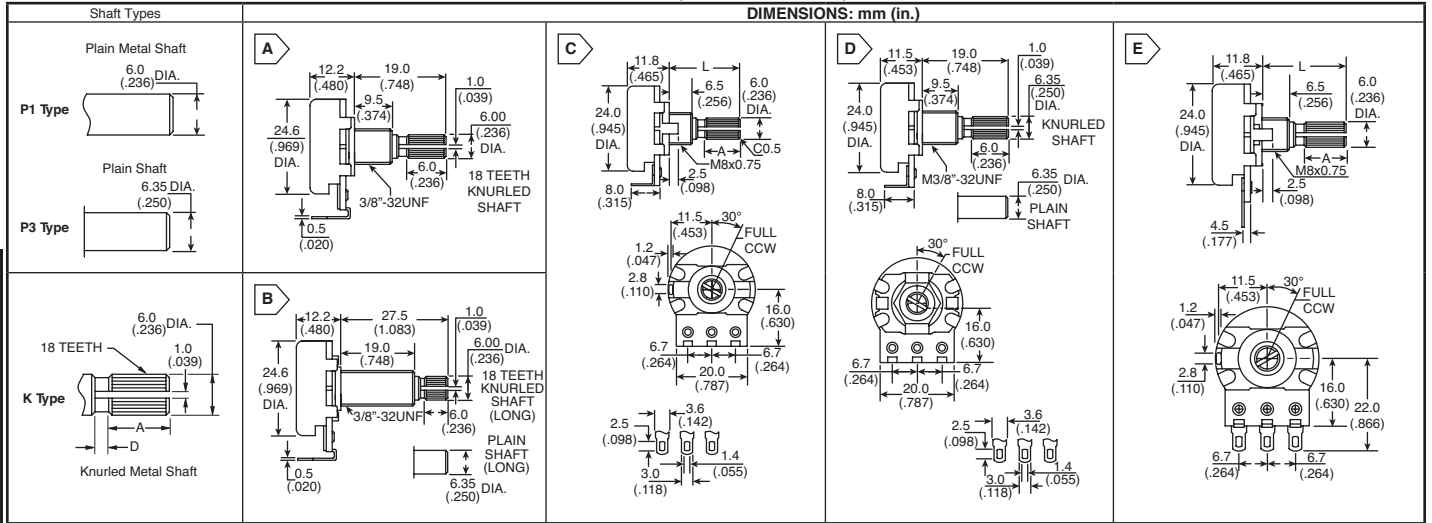
MOUSER STOCK NO.	Bourns Part No.	Fig.	Value Ω	Taper	Rotational Life	Terminal Configuration	Shaft Type	Price Each		
								1	25	100
652-PDB183GTR21254A2	PDB183-GTR21-254A2	G	250K	Audio	15,000	Solder Lugs	Knurled			
652-PDB183GTR21504A2	PDB183-GTR21-504A2	G	500K	Audio	15,000	Solder Lugs	Knurled			
652-PDB183GTR22254A2	PDB183-GTR22-254A2	G	250K	Audio	15,000	Solder Lugs	Plain			
652-PDB183GTR22504A2	PDB183-GTR22-504A2	G	500K	Audio	15,000	Solder Lugs	Plain			



Potentiometers

Bourns

RoHS Compliant This product is RoHS compliant.



PDB241-GNL SERIES NO-LOAD GUITAR POTENTIOMETERS

Specifications:

- Taper: Linear
- Standard Resistance Tolerance: $\pm 20\%$
- Operating Temperature: -10°C to $+70^{\circ}\text{C}$
- Power Rating: 0.25W

- Maximum Operating Voltage: 250V
- Rotational Noise: 150mV max.
- Mechanical Angle: $300^{\circ} \pm 5^{\circ}$

- Rotational Torque: 10 - 45 g-cm typical
- Hardware: Two flat washers and two mounting nuts supplied per potentiometer

Features:

- Carbon element
- Plain or knurled shaft option
- Metal bushing/shaft
- Rear solder lugs
- Detent at "no-load" position



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Taper	Rotational Life	Terminal Configuration	Shaft Type	Price Each			
								1	25	100	1000
652-PDB241GNL01254B0	PDB241-GNL01-254B0	A	250K	Linear	15,000	Solder Lugs	P1				
652-PDB241GNL01504B0	PDB241-GNL01-504B0	A	500K	Linear	15,000	Solder Lugs	P1				
652-PDB241GNL02254B0	PDB241-GNL02-254B0	A	250K	Linear	15,000	Solder Lugs	P1				
652-PDB241GNL03254B0	PDB241-GNL03-254B0	B	250K	Linear	15,000	Solder Lugs	P1				
652-PDB241GNL03504B0	PDB241-GNL03-504B0	B	500K	Linear	15,000	Solder Lugs	P1				

PDB241-GTR SERIES - 24MM GUITAR POTENTIOMETERS

Specifications:

- Taper: Audio
- Standard Resistance Tolerance: $\pm 20\%$
- Operating Temperature: -10°C to $+70^{\circ}\text{C}$
- Power Rating: 0.25W
- Maximum Operating Voltage: 250V

- Rotational Noise: 150mV max.
- Mechanical Angle: $300^{\circ} \pm 5^{\circ}$
- Rotational Torque: 29 g-cm typical
- Hardware: One flat washer and mounting nut supplied per potentiometer with bushing

Features:

- Low torque
- Carbon element
- Plain or knurled shaft option
- ESD wave washer
- Metal bushing
- Metal shaft
- Rear solder lugs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Taper	Rotational Life	Terminal Configuration	Shaft Type	Price Each			
								1	25	100	1000
652-PDB241GTR01254A2	PDB241-GTR01-254A2	C	250K	Audio	15,000	Solder Lugs	K				
652-PDB241GTR01504A2	PDB241-GTR01-504A2	C	500K	Audio	15,000	Solder Lugs	K				
652-PDB241GTR03254A2	PDB241-GTR03-254A2	C	250K	Audio	15,000	Solder Lugs	K				
652-PDB241GTR03504A2	PDB241-GTR03-504A2	C	500K	Audio	15,000	Solder Lugs	K				
652-PDB241GTR02254A2	PDB241-GTR02-254A2	D	250K	Audio	15,000	Solder Lugs	P				
652-PDB241GTR02504A2	PDB241-GTR02-504A2	D	500K	Audio	15,000	Solder Lugs	P				

PDB24 SERIES - 24MM ROTARY POTENTIOMETERS

Specifications:

- Taper: Linear, Audio
- Standard Resistance Tolerance: $\pm 20\%$
- Operating Temperature: -10°C to $+70^{\circ}\text{C}$
- Power Rating: Linear: 0.5W, Audio: 0.25W

- Maximum Operating Voltage: Linear: 500V, Audio: 250V
- Rotational Noise: 150mV max.
- Mechanical Angle: $300^{\circ} \pm 5^{\circ}$

- Rotational Torque: 20 to 200g-cm
- Hardware: one flat washer and mounting nut supplied per potentiometer with bushing

Features:

- High rotational life
- Metal shaft styles
- Carbon element
- Center detent option
- Wide range of resistance tapers
- No Detent

Applications:

- Electric guitars
- Sound processing equipment
- Guitar and sound system amplifiers
- Appliances
- Various commercial applications

For quantities greater than listed, call for quote.

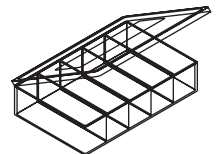
MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Taper	Rotational Life	Terminal Configuration	Shaft Type	Price Each			
								1	25	100	1000
652-PDB241E420K103B0	PDB241-E420K-103B0	C	10K	Linear	15,000	Rear	K				
652-PDB241E420K254A2	PDB241-E420K-254A2	C	250K	Audio	15,000	Rear	K				
652-PDB241E420K254B0	PDB241-E420K-254B0	C	250K	Linear	15,000	Rear	K				
652-PDB241E420K504A2	PDB241-E420K-504A2	C	500K	Audio	15,000	Rear	K				
652-PDB241E420K504B0	PDB241-E420K-504B0	C	500K	Linear	15,000	Rear	K				
652-PDB241E420P103B0	PDB241-E420P-103B0	C	10K	Linear	15,000	Rear	P				
652-PDB241E420P254A2	PDB241-E420P-254A2	C	250K	Audio	15,000	Rear	P				
652-PDB241E420P254B0	PDB241-E420P-254B0	C	250K	Linear	15,000	Rear	P				
652-PDB241E420P504A2	PDB241-E420P-504A2	C	500K	Audio	15,000	Rear	P				
652-PDB241E420P504B0	PDB241-E420P-504B0	C	500K	Linear	15,000	Rear	P				
652-PDB241S420K103B0	PDB241-S420K-103B0	E	10K	Linear	15,000	Down	K				
652-PDB241S420K254A2	PDB241-S420K-254A2	E	250K	Audio	15,000	Down	K				
652-PDB241S420K504A2	PDB241-S420K-504A2	E	500K	Audio	15,000	Down	K				
652-PDB241S420P103B0	PDB241-S420P-103B0	E	10K	Linear	15,000	Down	P				
652-PDB241S420P254A2	PDB241-S420P-254A2	E	250K	Audio	15,000	Down	P				
652-PDB241S420P504A2	PDB241-S420P-504A2	E	500K	Audio	15,000	Down	P				
652-PDB242E420K254A2	PDB242-E420K-254A2	C	250K	Audio	500,000	Rear	K				
652-PDB242E420K504A2	PDB242-E420K-504A2	C	500K	Audio	500,000	Rear	K				

BOURNS GUITAR POTENTIOMETER DESIGN KITS

Bourns® Sensors and Controls Product Line is proud to announce the release of three new Guitar Potentiometer Design Kits. Each kit has a variety of popular part numbers from their vast portfolio of guitar potentiometers. The kits are great for guitar designers and suitable for guitar technician service kits as well. Please contact Mouser for full list of part numbers in each kit.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Type	Each Kit Contains 24 Pieces	Price Each
652-H-1201	H-1201	Stand. Guitar Pots	12pcs: PDB241 Series; 12pcs: PDA241 Series	
652-H-1202	H-1202	Stand. Mini-Guitar Pots	8pcs: PDB181 Series; 8pcs: PDB182 Series; 8pcs: PDB183 Series	



BOURNS Panel Controls



RoHS compliant This product is RoHS compliant.

PSM SERIES MOTORIZED SLIDE POTENTIOMETERS

Characteristics:

- Standard Resistance Tolerance: $\pm 20\%$
- Power Rating-Audio: 25 Watt
- Operating Temperature Range: -10°C to $+55^{\circ}\text{C}$
- Rated Voltage: 10 VDC
- Operating Voltage Supply: 6 to 11 VDC
- Starting Current: 800 mA max.
- Starting Force @ 10 VDC: 20 gf
- Lever Speed @ 10 VDC: 20mm/1.1 sec.

Features:

- Long life carbon element
- Assortment of resistance tapers
- 100mm travel length
- Touched sense lever
- PC terminals or snap-in connector option

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Taper	Value (Ω)	Price Each			
					1	50	100	500
652-PSM01081A103B2	PSM01-081A-103B2	A	Linear	250				
Snap-In								
652-PSM01082A103B2	PSM01-082A-103B2	A	Linear	250				

PTL SERIES SLIDE POTENTIOMETERS WITH LED

Specifications:

- Resistance Tolerance: $\pm 20\%$
- End Resistance: 30 Ω max.
- Power Rating - Linear: 0.2W
- Operational Life: 15,000 cycles
- Temperature Range: -10°C ~ 55°C
- Linear Taper

Features:

- 60mm length of travel
- Carbon Element
- Red, Orange and Green LED
- Center Detent

Applications:

- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	LED Color	Price Each			
					1	50	100	500
652-PTL60-15R1-102B2	PTL60-15R1-102B2	B	1K	Red				
652-PTL60-15O1-102B2	PTL60-15O1-102B2	B	1K	Orange				
652-PTL60-15G1-102B2	PTL60-15G1-102B2	B	1K	Green				
652-PTL60-15R1-502B2	PTL60-15R1-502B2	B	5K	Red				
652-PTL60-15O1-502B2	PTL60-15O1-502B2	B	5K	Orange				
652-PTL60-15G1-502B2	PTL60-15G1-502B2	B	5K	Green				
652-PTL60-15R1-103B2	PTL60-15R1-103B2	B	10K	Red				
652-PTL60-15O1-103B2	PTL60-15O1-103B2	B	10K	Orange				
652-PTL60-15G1-103B2	PTL60-15G1-103B2	B	10K	Green				
652-PTL60-15R1-503B2	PTL60-15R1-503B2	B	50K	Red				
652-PTL60-15O1-503B2	PTL60-15O1-503B2	B	50K	Orange				
652-PTL60-15G1-503B2	PTL60-15G1-503B2	B	50K	Green				
652-PTL60-15R1-104B2	PTL60-15R1-104B2	B	100K	Red				
652-PTL60-15O1-104B2	PTL60-15O1-104B2	B	100K	Orange				
652-PTL60-15G1-104B2	PTL60-15G1-104B2	B	100K	Green				

PTA SERIES LOW PROFILE SLIDE POTENTIOMETERS

Specifications:

- Resistance Tolerance: $\pm 20\%$
- Operational Life: 15,000 cycles
- Temperature Range: -10°C ~ 55°C
- Linear Taper

Features:

- Carbon element
- Single and dual gang elements
- 15-60mm travel
- Metal housing
- Dust cover and center detent option

PRODUCT NEW

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Gang Elements	Price Each			
					1	50	100	500
652-PTA4543215DPA504	PTA4543-2015DPA504	C	500000	Single				

PTE SERIES LOW PROFILE SLIDE POTENTIOMETERS

Specifications:

- Resistance Tolerance: $\pm 20\%$
- End Resistance: 2 Ω max.
- Operational Life: 100,000 cycles
- Temperature Range: -10°C ~ 55°C
- Linear Taper

Features:

- 60mm length of travel
- Carbon Element
- Single and Dual gang elements
- Tracking error within $\pm 2\text{dB}$

Applications:

- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Gang Elements	Price Each			
					1	50	100	500
652-PTE60-151B-102B2	PTE60-151B-102B2	D	1K	Single				
652-PTE60-152B-102B2	PTE60-152B-102B2	D	1K	Dual				
652-PTE60-151B-502B2	PTE60-151B-502B2	D	5K	Single				
652-PTE60-152B-502B2	PTE60-152B-502B2	D	5K	Dual				
652-PTE60-151B-103B2	PTE60-151B-103B2	D	10K	Single				
652-PTE60-152B-103B2	PTE60-152B-103B2	D	10K	Dual				
652-PTE60-151B-503B2	PTE60-151B-503B2	D	50K	Single				
652-PTE60-152B-503B2	PTE60-152B-503B2	D	50K	Dual				
652-PTE60-151B-104B2	PTE60-151B-104B2	D	100K	Single				
652-PTE60-152B-104B2	PTE60-152B-104B2	D	100K	Dual				

PTF SERIES LONG LIFE SLIDE POTENTIOMETERS

Specifications:

- Resistance Tolerance: $\pm 20\%$
- End Resistance: 1 Ω max.
- Operational Life: 100,000 cycles
- Temperature Range: -10°C ~ 55°C
- Linear Taper

Features:

- 100mm length of travel
- Carbon Element
- Single and Dual gang elements
- Tracking error within $\pm 2\text{dB}$

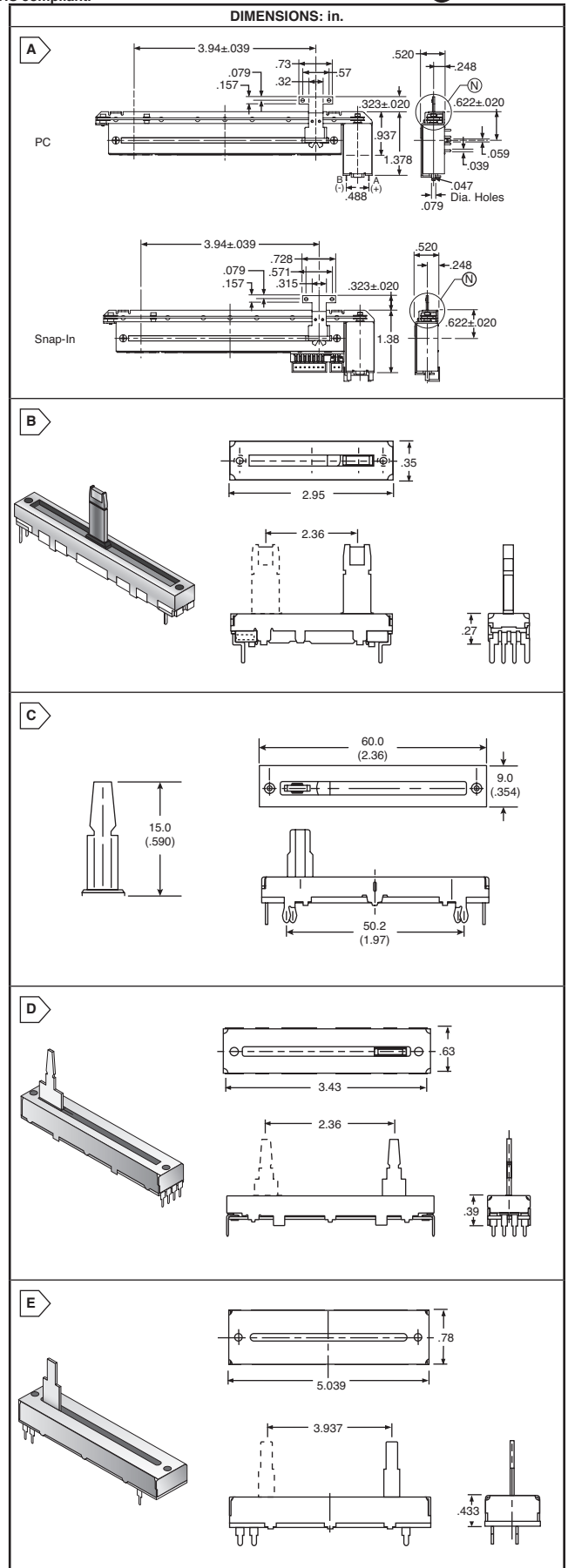
Applications:

- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Price Each			
				1	50	100	500
652-PTF01-152A-102B2	PTF01-152A-102B2	E	1K				
652-PTF01-152A-502B2	PTF01-152A-502B2	E	5K				
652-PTF01-152A-103B2	PTF01-152A-103B2	E	10K				
652-PTF01-152A-503B2	PTF01-152A-503B2	E	50K				
652-PTF01-152A-104B2	PTF01-152A-104B2	E	100K				



BOURNS PRS11S SERIES 11MM SMD PANEL CONTROL

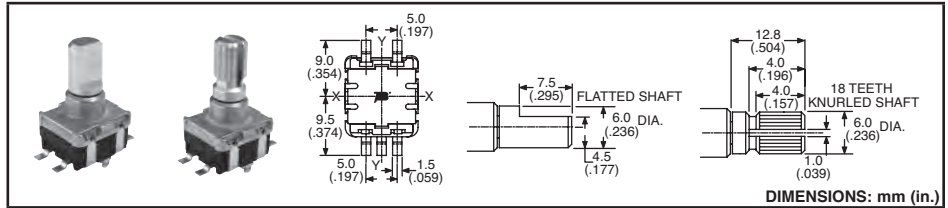
- Specifications:**
- Operating temp.: -10°C to +70°C
 - Power rating: audio 0.025 watts
 - Rotational life: 15,000 cycles

- Features:**
- Carbon element
 - Infrared or hot air reflow compatible

PRODUCT **NEW**



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Shaft Type	Shaft Length (mm)	Price Each				
					1	10	50	100	500
652-PRS11SN20F503B1	PRS11S-N20F-503B1	50K	Flatted	20					
652-PRS11SN20F503B1	PRS11S-N20K-503B1	50K	Knurled	20					
652-PRS11SN20K103B1	PRS11S-N20K-103B1	10K	Knurled	20					

Potentiometers

BoURNS

BOURNS 51/53 SERIES 1/2" PANEL CONTROL

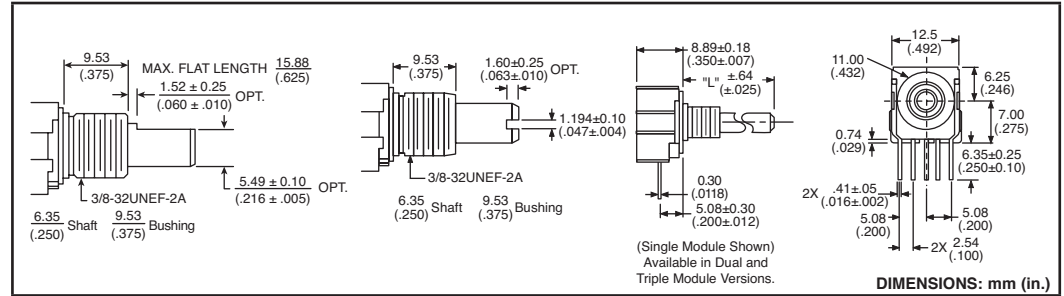
- Specifications:**
- Power Rating: 0.5W (CP)
 - 1.0W (cermet)
 - Rotational Life (No Load): 50K cycles (CP)
 - 25K cycles (cermet)
 - Temperature Coefficient: ±1000 PPM/°C (CP)
 - ±150 PPM/°C (cermet)
 - Operating Temperature: +1°C to +125°C

- Features:**
- Metal bushing and shaft
 - Conductive plastic or cermet elements available
 - Single turn
 - Sealed to IP65
 - Nut and washer included



PRODUCT **NEW**

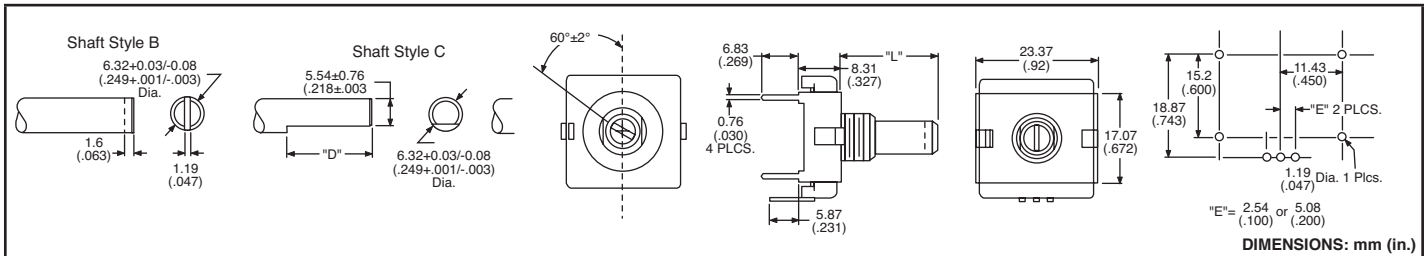
RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Taper		Element Type	Value (Ω)	Price Each					
		Type	Tolerance			1	5	10	25	50	100
652-53ABDA28B25/B25L	53ABD-A28-B25/B25L	Linear	20%	CP	1M						
652-51AAA-B24-A10L	51AAA-B24-A10L	Linear	10%	Cermet	1K						
652-51AAA-B24-A13L	51AAA-B24-A13L	Linear	10%	Cermet	5K						
652-51AAA-B28-A15L	51AAA-B28-A15L	Linear	10%	Cermet	10K						
652-51AAA-B28-A18L	51AAA-B28-A18L	Linear	10%	Cermet	50K						
652-51AAA-B24-B10L	51AAA-B24-B10L	Linear	20%	CP	1K						
652-51AAA-B24-B13L	51AAA-B24-B13L	Linear	20%	CP	5K						
652-51AAA-B28-B15L	51AAA-B28-B15L	Linear	20%	CP	10K						
652-51AAA-B24-B18L	51AAA-B24-B18L	Linear	20%	CP	50K						
652-51AAA-B24-D10L	51AAA-B24-D10L	Audio	20%	CP	1K						
652-51AAA-B28-D15L	51AAA-B28-D15L	Audio	20%	CP	10K						
652-51AAA-B28-D18L	51AAA-B28-D18L	Audio	20%	CP	50K						

BOURNS PC SERIES "SLIMLINE" 22MM PANEL CONTROL



- Specifications:**
- Power Rating: 0.75W
 - Rotational Life: 50K cycles
 - Resistance Tolerance: ±20%
 - Operating Temperature: +1°C to +125°C

- Features:**
- Space saving low profile design
 - Plastic shaft and bushing
 - Mounting bracket
 - Long life



RoHS Compliant

MOUSER STOCK NO.	Bourns Part No.	Shaft Type	Value (Ω)	Price Each					
				1	5	10	25	50	100
652-PCW1JC24BAB502L	PCW1J-C24-BAB502L	Flatted	5K						
652-PCW1JC24BAB103L	PCW1J-C24-BAB103L	Flatted	10K						
652-PCW1JC24BAB503L	PCW1J-C24-BAB503L	Flatted	50K						
652-PCW1JC24BAB104L	PCW1J-C24-BAB104L	Flatted	100K						
652-PCW1JB24BAB502L	PCW1J-B24-BAB502L	Slotted	5K						
652-PCW1JB24-BAB103L	PCW1J-B24-BAB103L	Slotted	10K						
652-PCW1JB24-BAB503L	PCW1J-B24-BAB503L	Slotted	50K						
652-PCW1JB24BAB104L	PCW1J-B24-BAB104L	Slotted	100K						

BOURNS 3852 SERIES 3/4" PANEL CONTROL

- Specifications:**
- Tolerance: ±10%
 - Power rating: 2 Watts @ +70°C
 - Operating temperature: -1°C to +125°C
 - Rotational life: 50,000 cycles

- Features:**
- Single-turn
 - Linear taper
 - Cermet element
 - Nut and washer included
 - Minimal depth package



RoHS Compliant

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53 SERIES INDUSTRIAL POTENTIOMETERS

The 53 Series is an economical potentiometer made with a rugged construction. It offers a 2 watt power rating and the benefits of a conductive plastic element.

Features:

- Robust nickel-plated brass shaft and bushings
- Conductive plastic element
- Linear taper
- 25,000 cycle rotational life
- Bushing Thread: 9.53mm (.375in.)x32 NEF-2A
- Power Rating: 2W

Applications:

- Manual controls (throttle, joystick)
- Electric vehicles
- Personal mobility
- Off-road vehicles
- Welding and heating
- Telecommunications

	Shaft Length
C1	50.80mm
C2	15.88mm
C3	22.23mm



* Photo is for reference only

** Includes bushing † Accepts rotary switch

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	**Shaft Length mm	Price Each		
						1	10	50
785-53C250	53C250	50	±5	±10	15.88			
785-53C350	53C350	50	±5	±10	22.23			
785-53C1100	53C1100	100	±5	±10	50.80			
785-53C2100	53C2100	100	±5	±10	15.88			
785-53C3100	53C3100	100	±5	±10	22.23			
785-53C3150	53C3150	150	±5	±10	22.23			
785-53C2250	53C2250	250	±5	±10	15.88			
785-53C3250	53C3250	250	±5	±10	22.23			
785-53C2500	53C2500	500	±5	±10	15.88			
785-53C3500	53C3500	500	±5	±10	22.23			
785-53C11K	53C11K	1K	±5	±10	50.80			
785-53C21K	53C21K	1K	±5	±10	15.88			
785-53C31K	53C31K	1K	±5	±10	22.23			
785-53C31500	53C31500	1.5K	±5	±10	22.23			
785-53C12K	53C12K	2K	±5	±10	50.80			
785-53C32K	53C32K	2K	±5	±10	22.23			
785-53C12500	53C12500	2.5K	±5	±10	50.80			
785-53C22500	53C22500	2.5K	±5	±10	15.88			
785-53C32500	53C32500	2.5K	±5	±10	22.23			
785-53C15K	53C15K	5K	±5	±10	50.80			
785-53C25K	53C25K	5K	±5	±10	15.88			
785-53C35K	53C35K	5K	±5	±10	22.23			
785-53C110K	53C110K	10K	±5	±10	50.80			
† 785-53C1SW10K	53C1SW10K	10K	±5	±10	50.80			
785-53C210K	53C210K	10K	±5	±10	15.88			
785-53C310K	53C310K	10K	±5	±10	22.23			
785-53C315K	53C315K	15K	±5	±10	22.23			
785-53C320K	53C320K	20K	±5	±10	22.23			
785-53C125K	53C125K	25K	±5	±10	50.80			
785-53C225K	53C225K	25K	±5	±10	15.88			
785-53C325K	53C325K	25K	±5	±10	22.23			
785-53C150K	53C150K	50K	±5	±10	50.80			
785-53C250K	53C250K	50K	±5	±10	15.88			
785-53C350K	53C350K	50K	±5	±10	22.23			
785-53C375K	53C375K	75K	±5	±10	22.23			
785-53C1100K	53C1100K	100K	±5	±10	50.80			
785-53C2100K	53C2100K	100K	±5	±10	15.88			
785-53C3100K	53C3100K	100K	±5	±10	22.23			
785-53C2150K	53C2150K	150K	±5	±10	15.88			
785-53C3150K	53C3150K	150K	±5	±10	22.23			
785-53C3200K	53C3200K	200K	±5	±10	22.23			
785-53C1250K	53C1250K	250K	±5	±10	50.80			
785-53C2250K	53C2250K	250K	±5	±10	15.88			
785-53C3250K	53C3250K	250K	±5	±10	22.23			
785-53C2500K	53C2500K	500K	±5	±10	15.88			
785-53C3500K	53C3500K	500K	±5	±10	22.23			
785-53C21MEG	53C21MEG	1M	±5	±10	15.88			
785-53C31MEG	53C31MEG	1M	±5	±10	22.23			
785-53C22MEG	53C22MEG	2M	±5	±20	15.88			
785-53C35MEG	53C35MEG	5M	±5	±20	22.23			

RA30 SERIES INDUSTRIAL POTENTIOMETERS

The RA30 Series is a military qualified potentiometer made in accordance to MIL-R-19 specifications. It offers a 4 watt power rating and a wirewound element.

Features:

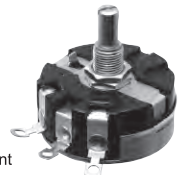
- Robust nickel-plated brass shaft and bushings
- Wirewound element
- Linear taper
- Very stable over the operating temperature
- Meets MIL-R-19 standards
- Bushing Thread: 9.53mm (.375in.)x32 NEF-2A
- Power Rating: 4W

Applications:

- Manual controls
- Welding and heating

** Includes bushing

RoHS Compliant



* Photo is for reference only

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	**Shaft Length mm	Price Each		
						1	10	50
785-RA30NASD101A	RA30NASD101A	100	±5	±10	22.23			
785-RA30NASD102A	RA30NASD102A	1K	±5	±10	22.23			
785-RA30NASD502A	RA30NASD502A	5K	±5	±10	22.23			
785-RA30NASD103A	RA30NASD103A	10K	±5	±10	22.23			

58 SERIES INDUSTRIAL POTENTIOMETERS

The 58 Series is a 4 watt potentiometer made with a wirewound element. It offers a rugged metal construction and a linear taper.

Features:

- Robust nickel-plated brass shaft and bushings
- Wirewound element
- Linear taper
- Very stable over the operating temperature
- Bushing Thread: 9.53mm (.375in.)x32 NEF-2A
- Power Rating: 4W

Applications:

- Manual controls
- Welding and heating

** Includes bushing

RoHS Compliant



* Photo is for reference only

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	**Shaft Length mm	Price Each		
						1	10	50
785-58C12K	58C12K	2K	±2	±5	50.80			

380 SERIES INDUSTRIAL POTENTIOMETERS

The 380 Series is a robust 2 watt potentiometer that offers the advantages of a conductive plastic element and a 100,000 cycle rotational life.

Features:

- Robust nickel-plated brass shaft and bushings
- Conductive plastic element
- Linear taper
- 100,000 cycle rotational life
- Bushing Thread: 9.53mm (.375in.)x32 NEF-2A
- Power Rating: 2W

Applications:

- Manual controls
- Medical equipment
- Telecommunications

** Includes bushing

RoHS Compliant



* Photo is for reference only

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	**Shaft Length mm	Price Each		
						1	10	50
785-380C3100	380C3100	100	±5	±10	22.22			
785-380C1250	380C1250	250	±5	±10	50.80			
785-380C1500	380C1500	500	±5	±10	50.80			
785-380C3500	380C3500	500	±5	±10	22.22			
785-380C11000	380C11000	1K	±5	±10	50.80			
785-380C21000	380C21000	1K	±5	±10	15.87			
785-380C31000	380C31000	1K	±5	±10	22.22			
785-380C12500	380C12500	2.5K	±5	±10	50.80			
785-380C32500	380C32500	2.5K	±5	±10	22.22			
785-380C15000	380C15000	5K	±5	±10	50.80			
785-380C25000	380C25000	5K	±5	±10	15.87			
785-380C35000	380C35000	5K	±5	±10	22.22			
785-380C110K	380C110K	10K	±5	±10	50.80			
785-380C310K	380C310K	10K	±5	±10	22.22			
785-380C325K	380C325K	25K	±5	±10	22.22			
785-380C350K	380C350K	50K	±5	±10	22.22			
785-380C1100K	380C1100K	100K	±5	±10	50.80			
785-380C3100K	380C3100K	100K	±5	±10	22.22			
785-380C3500K	380C3500K	500K	±5	±10	22.22			
785-380C31MEG	380C31MEG	1M	±5	±10	22.22			

381 SERIES INDUSTRIAL POTENTIOMETERS

The 381 Series is a 1 watt potentiometer with a conductive plastic element and a metal housing.

Features:

- Conductive plastic element
- Linear taper
- Solder lug terminals
- Locking style bushing
- Rugged construction: Metal case and nickel-plated brass shaft and bushings
- Bushing Thread: 6.35mm (.25in.)x32 NEF-2A
- Power Rating: 1W

Applications:

- Manual controls
- Welding and heating
- Telecommunications

** Includes bushing † Accepts rotary switch

RoHS Compliant



* Photo is for reference only

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	**Shaft Length mm	Price Each		
						1	10	50
785-381N100	381N100	100	±5	±10	19.05			
785-381N250	381N250	250	±5	±10	19.05			
785-381N1000	381N1000	1K	±5	±10	19.05			
785-381L5K	381L5K	5K	±5	±10	11.12			
785-381N5K	381N5K	5K	±5	±10	19.05			
785-381L10K	381L10K	10K	±5	±10	11.12			
785-381N10K	381N10K	10K	±5	±10	19.05			
† 785-381NS10K	381NS10K	10K	±5	±10	19.05			
785-381L25K	381L25K	25K	±5	±10	11.12			
785-381N25K	381N25K	25K	±5	±10	19.05			
785-381N100K	381N100K	100K	±5	±10	19.05			

HONEYWELL Potentiometers



This product is RoHS compliant.

J SERIES CARBON COMPOSITION POTENTIOMETERS

Features:

- Carbon Potentiometer
- Series: J
- Track Resistance: 100kohm
- Resistance Tolerance: +/-10%
- Power Rating: 2W
- Operating Temperature Range: -55°C to +120°C
- Adjustment Type: Knob
- Linearity %: 5%
- Resistance Max: 100kohm
- RoHS Compliant: Yes
- Bushing Thread: 9.53mm (is included in shaft length) (.375in.)x32 NEF-2A
- Power Rating: 2.25W



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	Shaft Length: mm	Price Each		
						1	10	50
785-JA1N056S251UA	JA1N056S251UA	250	±5	±10	22.22			
785-JA1N056S501UA	JA1N056S501UA	500	±5	±10	22.22			
785-JA1N056S102UA	JA1N056S102UA	1K	±5	±10	22.22			
785-JA1N056S502UA	JA1N056S502UA	5K	±5	±10	22.22			
785-JA1N056S103UA	JA1N056S103UA	10K	±5	±10	22.22			
785-JA1N056S203UA	JA1N056S203UA	20K	±5	±10	22.22			
785-JA1N056S253UA	JA1N056S253UA	25K	±5	±10	22.22			

43 SERIES INDUSTRIAL POTENTIOMETERS

The 43 Series is a 2 watt potentiometer made with a wirewound element. It offers a rugged metal construction and a linear taper.

Features:

- Wirewound element
- Linear taper
- Very stable over the operating temperature
- Robust nickel-plated brass shaft and bushings
- Bushing Thread: 9.53mm (.375in.)x32 NEF-2A (is included in shaft length)
- Power Rating: 2W



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	Shaft Length: mm	Price Each		
						1	10	50
785-43C11000	43C11000	1K	±2	±5	50.80			
785-43C110K	43C110K	10K	±2	±5	50.80			

RA20 SERIES INDUSTRIAL POTENTIOMETERS

The RA20 Series is a military qualified potentiometer made in accordance to MIL-R-19 specifications. It offers a 2 watt power rating and a wirewound element.

Features:

- Robust nickel-plated brass shaft and bushings
- Wirewound element
- Linear taper
- Very stable over the operating temperature
- Locking style bushing
- Meets MIL-R-19 standards
- Bushing Thread: 9.53mm (is included in shaft length) (.375in.)x32 NEF-2A
- Power Rating: 2W



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	Shaft Length: mm	Price Each		
						1	10	50
785-RA20NASD102A	RA20NASD102A	1K	±5	±10	22.23			
785-RA20NASD502A	RA20NASD502A	5K	±5	±10	22.23			
785-RA20LASB103A	RA20LASB103A	10K	±5	±10	15.88			
785-RA20NASD103A	RA20NASD103A	10K	±5	±10	22.23			

73 SERIES PRECISION POTENTIOMETERS

The RA30 Series is a military qualified potentiometer made in accordance to MIL-R-19 specifications. It offers a 2 watt power rating and a wirewound element.

Features:

- Plastic shaft and bushings (for parts with a "B")
- Robust nickel-plated brass shaft and bushings (for parts with an "A")
- Wirewound element
- Linear taper
- 10-turn construction
- Bushing Thread: 9.53mm (.375 in.) x 32 NEF-2A (is included in shaft length)
- Power Rating: 2W

Applications:

- Manual controls
- Welding and heating



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	Shaft Length: mm	Price Each		
						1	10	50
785-73JA100	73JA100	100	±.25	±5	20.62			
785-73JA200	73JA200	200	±.25	±5	20.62			
785-73JA500	73JA500	500	±.25	±5	20.62			
785-73JB500	73JB500	500	±.25	±5	22.23			
785-73JA1K	73JA1K	1K	±.25	±5	22.23			
785-73JA2K	73JA2K	2K	±.25	±5	20.62			
785-73JA5K	73JA5K	5K	±.25	±5	20.62			
785-73JB5K	73JB5K	5K	±.25	±5	20.62			
785-73JA10K	73JA10K	10K	±.25	±5	20.62			
785-73JB10K	73JB10K	10K	±.25	±5	20.62			
785-73JA20K	73JA20K	20K	±.25	±5	20.62			
785-73JB20K	73JB20K	20K	±.25	±5	20.62			
785-73JA25K	73JA25K	25K	±.25	±5	20.62			
785-73JA50K	73JA50K	50K	±.25	±5	20.62			

392 SERIES INDUSTRIAL POTENTIOMETERS

The 392 Series is a 1/2 watt potentiometer with a conductive plastic element and a molded housing. It offers an internal shaft seal for moisture protection and PC style terminals.

Features:

- Compact - 12.7mm (0.5 in.) diameter
- Conductive plastic element
- Linear taper
- Plastic shaft and bushings (for parts with a "B")
- Robust nickel-plated brass shaft and bushings (for parts with an "A")
- PC terminals
- Power Rating: 0.5W

Applications:

- Manual controls
- Medical Equipment
- Telecommunications



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	Shaft Length: mm	Price Each		
						1	10	50
785-392JB100	392JB100	100	±5	±10	22.22			
785-392JB250	392JB250	250	±5	±10	22.22			
785-392JB500	392JB500	500	±5	±10	22.22			
785-392JA1K	392JA1K	1K	±5	±10	22.22			
785-392JB1K	392JB1K	1K	±5	±10	22.22			
785-392JB2500	392JB2500	2.5K	±5	±10	22.22			
785-392JA5K	392JA5K	5K	±5	±10	22.22			
785-392JB5K	392JB5K	5K	±5	±10	22.22			
785-392JA10K	392JA10K	10K	±5	±10	22.22			
785-392JB10K	392JB10K	10K	±5	±10	22.22			
785-392JA25K	392JA25K	25K	±5	±10	22.22			
785-392JB25K	392JB25K	25K	±5	±10	22.22			
785-392JA50K	392JA50K	50K	±5	±10	22.22			
785-392JB50K	392JB50K	50K	±5	±10	22.22			
785-392JA100K	392JA100K	100K	±5	±10	22.22			
785-392JB100K	392JB100K	100K	±5	±10	22.22			
785-392JA250K	392JA250K	250K	±5	±10	22.22			
785-392JB250K	392JB250K	250K	±5	±10	22.22			
785-392JB500K	392JB500K	500K	±5	±10	22.22			
785-392JA1MEG	392JA1MEG	1M	±5	±20	22.22			
785-392JB1MEG	392JB1MEG	1M	±5	±20	22.22			

585 SERIES COMMERCIAL POTENTIOMETER

The 585 Series is a low cost potentiometer for voltage divider applications. It offers PC terminals and compact size.

Features:

- Compact - 9.0mm (0.354 in.) size
- Low cost
- Carbon element
- Linear taper
- Horizontal mount
- Metal shaft and bushings
- Dual section controlled by one shaft
- PC terminals
- Bushing Thread: .97mm

(.276 in.) x 19.05mm (.75 in.)
(is included in shaft length)
RoHS Compliant
Power Rating: 0.05W

Applications:

- Manual controls (throttle, joystick)
- Welding and heating
- Telecommunications



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	Shaft Length: mm	Price Each		
						1	10	50
785-585SX4Q25F102SP	585SX4Q25F102SP	1K	±5	±20	19.05			



This product is RoHS compliant.

574 SERIES COMMERCIAL POTENTIOMETERS

The 574 Series is a low cost potentiometer with the benefits of a conductive plastic element. It is made with a thermoplastic housing and shaft and includes a bracket for vertical PC mounting.

Features:

- All plastic construction
- Conductive plastic element
- Linear taper
- Metric bushing
- Low profile
- Vertical mounting with support bracket
- Bushing thread: 9.53mm (.375 in.) x 32 NEF-2A
- Power Rating: 0.5W

Applications:

- Manual controls (throttle, joystick)
- Welding and heating
- Telecommunications



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	Shaft Length: mm	Price Each		
						1	10	50
Flatted								
785-574SX1M48F103SD	574SX1M48F103SD	10K	±5	±20	22.22			
785-574SX1M48F503SD	574SX1M48F503SD	50K	±5	±20	19.05			
785-574SX1M48F104SD	574SX1M48F104SD	100K	±5	±20	19.05			
Slotted								
785-574SX1M48S103SD	574SX1M48S103SD	10K	±5	±20	19.05			
785-574SX1M48S503SD	574SX1M48S503SD	50K	±5	±20	19.05			
785-574SX1M48S104SD	574SX1M48S104SD	100K	±5	±20	19.05			

575 SERIES COMMERCIAL POTENTIOMETERS

The 575 Series is a low cost potentiometer with the benefits of a conductive plastic element. It is panel mounted and the housing and shaft are made from thermoplastic material.

Features:

- All plastic construction
- Conductive plastic element
- Linear taper
- Solder hook terminals
- Bushing thread: 9.53mm (.375 in.) x 32 NEF-2A
- Power Rating: 0.5W

Applications:

- Manual controls (throttle, joystick)
- Welding and heating
- Telecommunications



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	Shaft Length: mm	Price Each		
						1	10	50
Flatted								
785-575SX1A48F102SS	575SX1A48F102SS	1K	±5	±20	19.05			
785-575SX1A48F103SS	575SX1A48F103SS	10K	±5	±20	19.05			
785-575SX1A48F503SS	575SX1A48F503SS	50K	±5	±20	19.05			
Slotted								
785-575SX1A48S102SS	575SX1A48S102SS	1K	±5	±20	19.05			
785-575SX1A48S103SS	575SX1A48S103SS	10K	±5	±20	19.05			
785-575SX1A48S503SS	575SX1A48S503SS	50K	±5	±20	19.05			

308 SERIES INDUSTRIAL POTENTIOMETERS

The 308 Series is a low cost, conductive plastic, potentiometer. It offers a 1/2 watt power rating and a metal shaft and bushing.

Features:

- Compact- 12.7mm (0.5 in.) modular size
- Robust- nickel-plated brass shaft and bushings
- Conductive plastic element
- Linear taper
- Solder hook terminals
- Bushing thread: 6.35mm (.25 in.) x 32 NEF-2A
- Power Rating: 0.5W

Applications:

- Manual controls
- Medical equipment
- Telecommunications



RoHS Compliant



* Terminal is PC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	Shaft Length: mm	Price Each		
						1	10	50
785-308N100	308N100	100	±5	±10	19.05			
785-308N500	308N500	500	±5	±10	19.05			
785-308N1K	308N1K	1K	±5	±10	19.05			
* 785-308NPC1K	308NPC1K	1K	±5	±10	19.05			

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308 SERIES INDUSTRIAL POTENTIOMETERS (CONT.)

The 308 Series is a low cost, conductive plastic, potentiometer. It offers a 1/2 watt power rating and a metal shaft and bushing.

Features:

- Compact- 12.7mm (0.5 in.) modular size
- Robust- nickel-plated brass shaft and bushings
- Conductive plastic element
- Linear taper
- Solder hook terminals
- Bushing thread: 6.35mm (.25 in.) x 32 NEF-2A
- Power Rating: 0.5W

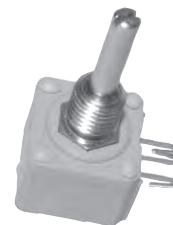
Applications:

- Manual controls
- Medical equipment
- Telecommunications

* Terminal is PC



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	Shaft Length: mm	Price Each		
						1	10	50
785-308N2500	308N2500	2.5K	±5	±10	19.05			
785-308N5K	308N5K	5K	±5	±10	19.05			
* 785-308NPC5K	308NPC5K	5K	±5	±10	19.05			
785-308N10K	308N10K	10K	±5	±10	19.05			
* 785-308NPC10K	308NPC10K	10K	±5	±10	19.05			
785-308N25K	308N25K	25K	±5	±10	19.05			
* 785-308NPC25K	308NPC25K	25K	±5	±10	19.05			
785-308N50K	308N50K	50K	±5	±10	19.05			
* 785-308NPC50K	308NPC50K	50K	±5	±10	19.05			
785-308N100K	308N100K	100K	±5	±10	19.05			
* 785-308NPC100K	308NPC100K	100K	±5	±10	19.05			
785-308N250K	308N250K	250K	±5	±10	19.05			
785-308N500K	308N500K	500K	±5	±10	19.05			
* 785-308NPC500K	308NPC500K	500K	±5	±10	19.05			
785-308N1MEG	308N1MEG	1M	±5	±20	19.05			
785-308N2.5MEG	308N2.5MEG	2.5M	±5	±20	19.05			
785-308N5MEG	308N5MEG	5M	±5	±20	19.05			

309 SERIES INDUSTRIAL POTENTIOMETERS

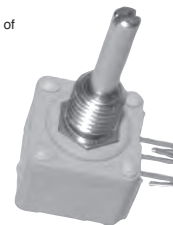
The 309 Series is a low cost potentiometer that offers the temperature stability of a cermet element and a 1 watt power rating in a compact body.

Features:

- Compact- 12.7mm (0.5 in.) modular size
- Robust- nickel-plated brass shaft and bushings
- Cermet element
- Linear taper
- Very stable over the operating temperature
- PC terminals
- Bushing thread: 6.35mm (.25 in.) x 32 NEF-2A
- Power Rating: 1W



RoHS Compliant



Applications:

- Manual controls
- Medical equipment
- Telecommunications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	Shaft Length: mm	Price Each		
						1	10	50
785-309NPC100	309NPC100	100	±5	±10	19.05			
785-309NPC1K	309NPC1K	1K	±5	±10	19.05			
785-309NPC5K	309NPC5K	5K	±5	±10	19.05			
785-309NPC10K	309NPC10K	10K	±5	±10	19.05			
785-309NPC50K	309NPC50K	50K	±5	±10	19.05			
785-309NPC500K	309NPC500K	500K	±5	±10	19.05			

62 SERIES LINEAR TAPER POTENTIOMETERS

Features:

- Wirewound resistor
- Series: 62
- Track resistance: 1kΩ
- Resistance tolerance: ±10%
- Power rating: 2W
- Resistor element material: Wirewound
- Temperature coefficient: ±20ppm
- Adjustment type: Knob
- No. of turns: 10
- Resistance max.: 1kΩ
- Bushing thread: 9.53mm (.375 in.) x 32 NEF-2A
- Power Rating: 2W



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Value (Ω)	Linearity (%)	Tol. (%)	Shaft Length: mm	Price Each		
						1	10	50
785-62JA2K	62JA2K	2K	±5	±10	23.81			
785-62JA5K	62JA5K	5K	±5	±10	23.81			
785-62JA25K	62JA25K	25K	±5	±10	23.81			
785-62JA100K	62JA100K	100K	±5	±10	23.81			

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VISHAY/SFERNICE Potentiometers



VISHAY/SFERNICE SUBMERSIBLE TO 100 FEET (30M) CERMET POTENTIOMETER, SERIES P13SM

Specifications:

- Electrical travel: 270° ±10°
- Resistance range - Linear: 22Ω - 10MΩ, Logarithmic: 1kΩ - 2.2MΩ
- Power rating - Linear: 0.75W at 70°C, Logarithmic: 1.5W at 70°C
- Standard tolerance: 20%

Features:

- High power rating 1.5W at 70°C
- Stainless steel shaft and bushing to endure sea salt water immersion
- Fully sealed IP68 on panel
- Tight temperature coefficient (75ppm/°C typical)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	Resist. Values (Ω)	Shaft Length (L)(mm)	Price Each			
					1	5	10	20
72-P13SMNFGS472MA	P13SMNFGS472MA	A	4.7	16				
72-P13SMNFGS471MA	P13SMNFGS471MA	A	470	16				
72-P13SMNFLS471MA	P13SMNFLS471MA	A	470	25				
72-P13SMNFRS471MA	P13SMNFRS471MA	A	470	50				
72-P13SMNFGS102MA	P13SMNFGS102MA	A	1K	16				
72-P13SMNFLS102MA	P13SMNFLS102MA	A	1K	25				
72-P13SMNFRS102MA	P13SMNFRS102MA	A	1K	50				
72-P13SMNFLS472MA	P13SMNFLS472MA	A	4.7K	25				
72-P13SMNFRS472MA	P13SMNFRS472MA	A	4.7K	50				
72-P13SMNFGS103MA	P13SMNFGS103MA	A	10K	16				
72-P13SMNFLS103MA	P13SMNFLS103MA	A	10K	25				
72-P13SMNFRS103MA	P13SMNFRS103MA	A	10K	50				
72-P13SMNFGS473MA	P13SMNFGS473MA	A	47K	16				
72-P13SMNFLS473MA	P13SMNFLS473MA	A	47K	25				
72-P13SMNFRS473MA	P13SMNFRS473MA	A	47K	50				

VISHAY/SFERNICE FULLY SEALED CONTAINER CERMET POTENTIOMETER, SERIES PE30

Specifications:

- Electrical travel: 270° ±10°
- Resistance range - Linear: 22Ω - 10MΩ, Logarithmic: 100Ω - 2.2MΩ
- Power rating - Linear: 3W at 70°C, Logarithmic: 1.5W at 70°C
- Standard tolerance: 20%

Features:

- 3W at 70°C
- Low temperature coefficient (100ppm/°C typical)
- Full sealing
- Mechanical strength
- Use of faston 2.86 connections
- Tests according to CECC 41 000
- Military and professional grade



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	Resist. Values (Ω)	Shaft Length (L)(mm)	Price Each			
					1	5	10	20
72-PE30LOFG102MAB	PE30LOFG102MAB	B	1K	16				
72-PE30LOFL102MAB	PE30LOFL102MAB	B	1K	25				
72-PE30LOFL102MAB	PE30LOFL102MAB	B	1K	25				
72-PE30LOFL472MAB	PE30LOFL472MAB	B	4.7K	25				
72-PE30LOFL103MAB	PE30LOFL103MAB	B	10K	25				

Potentiometers

Vishay

VISHAY/SFERNICE KNOB POTENTIOMETERS, MODEL P16S/P16/PA16

Features:

- High dielectric strength: 2500VRMS
- Fully sealed and panel sealed
- Cermet or conductive plastic



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	Resistance Values (Ω)	Max. Power @ +40°C (W)	Maximum Current Through Wiper Im(mW)	Price Each				
						1	25	50	100	
P16S Series with Switch										
72-P16SNP101MAB15	P16SNP101MAB15	C	100	1	100					
72-P16SNP471MAB15	P16SNP471MAB15	C	470	1	46.1					
72-P16SNP102MAB15	P16SNP102MAB15	C	1K	0.5	31.6					
72-P16SNP472MAB15	P16SNP472MAB15	C	4.7K	0.5	14.58					
72-P16SNP103MAB15	P16SNP103MAB15	C	10K	0.5	10					
72-P16SNP223MAB15	P16SNP223MAB15	C	22K	0.5	6.74					
72-P16SNP473MAB15	P16SNP473MAB15	C	47K	0.5	4.61					
72-P16SNP104MAB15	P16SNP104MAB15	C	100K	0.5	3.16					
P16 Series										
72-P16NP101MAB15	P16NP101MAB15	D	100	1	100					
72-P16NP471MAB15	P16NP471MAB15	D	470	1	46.1					
72-P16NP102MAB15	P16NP102MAB15	D	1K	.5	31.6					
72-P16NP222MAB15	P16NP222MAB15	D	2.2K	.5	21.32					
72-P16NP472MAB15	P16NP472MAB15	D	4.7K	.5	14.58					
72-P16NP103MAB15	P16NP103MAB15	D	10K	.5	10					
72-P16NP223MAB15	P16NP223MAB15	D	22K	.5	6.74					
72-P16NP473MAB15	P16NP473MAB15	D	47K	.5	4.61					
72-P16NP104MAB15	P16NP104MAB15	D	100K	.5	3.16					
72-P16NP474MAB15	P16NP474MAB15	D	470K	.26	0.75					
72-P16NP105MAB15	P16NP105MAB15	D	1M	.12	0.35					
PA16 Series For Audio Applications										
72-PA16NP102MAB15	PA16NP102MAB15	D	1K	.5	22.4					
72-PA16NP103MAB15	PA16NP103MAB15	D	10K	.5	7.07					
72-PA16NP223MAB15	PA16NP223MAB15	D	22K	.5	4.77					
72-PA16NP473MAB15	PA16NP473MAB15	D	47K	.5	3.26					
72-PA16NP104MAB15	PA16NP104MAB15	D	100K	.5	2.24					
72-PA16NP474MAB15	PA16NP474MAB15	D	470K	.26	0.74					

VISHAY/SFERNICE 9MM GANG TO MULTI-GANG POTENTIOMETER, P9A SERIES - CONDUCTIVE PLASTIC

Electrical Specifications:

- Electrical travel: 270° ±10°
- Resistance range - linear: 1KΩ - 1MΩ, Non-linear: 2KΩ - 500KΩ
- Standard tolerance: ±20%, On Request: ±10%
- Power rating at 70°C - Linear: .1W, Non-Linear: .05W, Multiple assem. Linear: .05W/module, Multiple assem. Non-Linear: .025W/module

Features:

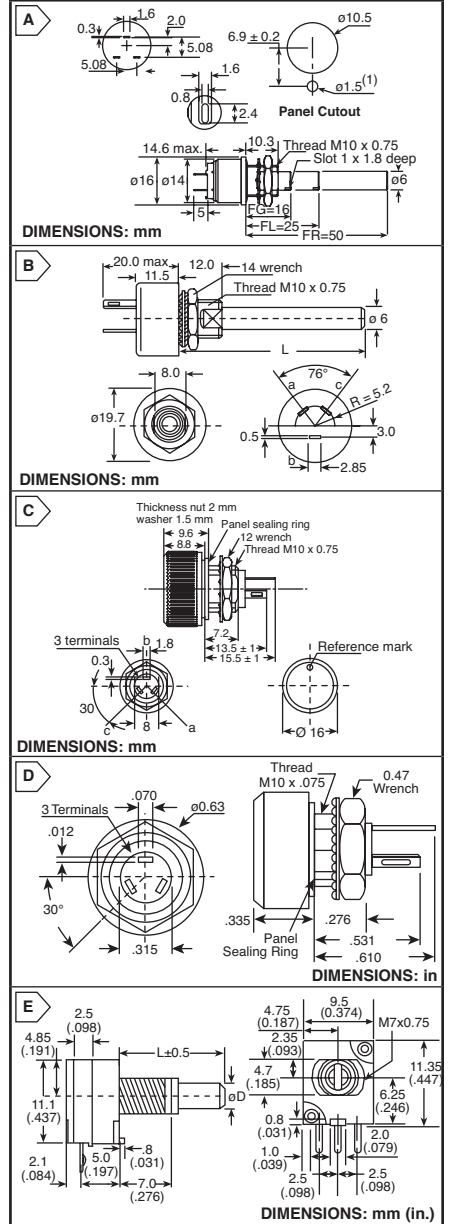
- Conductive plastic element made for excellent quality
- Professional audio and video applications
- Shaft: Dia: 6mm, Length: 20mm slotted
- Ultra compact (Extra miniature module size)
- Multiple assemblies (up to seven modules)
- Shaft and panel sealed option
- Center mechanical detent fully integrated in option
- Center tap option
- Custom designs available on request



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	Resistance Values (Ω)	Price Each			
				1	25	50	100
Single Gang Conductive Plastic Linear							
72-P9A1RFISX1BB2102M	P9A1RFISX1BB2102MA	E	1K				
72-P9A1RFISX1BB2103M	P9A1RFISX1BB2103MA	E	10K				
Dual Gang Conductive Plastic Linear							
72-P9A2RFISX1BB2102M	P9A2RFISX1BB2102MA	E	1K/1K				
72-P9A2RFISX1BB2103M	P9A2RFISX1BB2103MA	E	10K/10K				
72-P9A2RFISX1BB2503M	P9A2RFISX1BB2503MA	E	50K/50K				



BOURNS Trimmer Potentiometers

BOURNS

RoHS Compliant This product is RoHS compliant.

BOURNS 3364 SERIES 4MM SMD SINGLE TURN CERMET TRIMMING POTENTIOMETER

Features:

- Industrial / open frame
- Cross slot rotor designs suitable for automatic adjustment equipment
- Supplied in 12mm embossed tape, compatible with automatic pick-and-place assembly equipment
- Recommended for reflow solder processing only
- Lead free terminals

Electrical Characteristics:

- Resistance tolerance: $\pm 25\%$ standard
- Contact resistance Variation: 5% max.
- Resolution: Infinite
- Adjustment angle: $260^\circ \pm 20^\circ$

Environmental Characteristics:

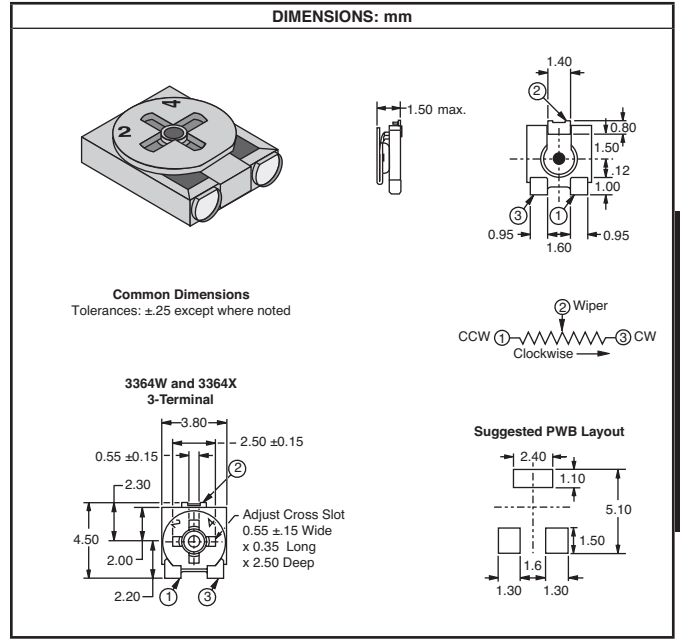
- Power rating (50VDC max.): 70°C: 0.2W
- Temperature range: -40°C to +125°C
- Temperature coefficient: $\pm 250\text{ppm}/^\circ\text{C}$



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each			Reel Qty.	Price Per Piece		
			1	25	100		1000	2000	5000
652-3364X-1-101E	3364X-1-101E	100				1000			
652-3364X-1-201E	3364X-1-201E	200				1000			
652-3364X-1-501E	3364X-1-501E	500				1000			
652-3364X-1-102E	3364X-1-102E	1K				1000			
652-3364X-1-202E	3364X-1-202E	2K				1000			
652-3364X-1-502E	3364X-1-502E	5K				1000			
652-3364X-1-103E	3364X-1-103E	10K				1000			
652-3364X-1-203E	3364X-1-203E	20K				1000			
652-3364X-1-503E	3364X-1-503E	50K				1000			
652-3364X-1-104E	3364X-1-104E	100K				1000			
652-3364W-1-101E	3364W-1-101E	100				1000			
652-3364W-1-201E	3364W-1-201E	200				1000			
652-3364W-1-501E	3364W-1-501E	500				1000			
652-3364W-1-102E	3364W-1-102E	1K				1000			
652-3364W-1-202E	3364W-1-202E	2K				1000			
652-3364W-1-502E	3364W-1-502E	5K				1000			
652-3364W-1-103E	3364W-1-103E	10K				1000			
652-3364W-1-203E	3364W-1-203E	20K				1000			
652-3364W-1-503E	3364W-1-503E	50K				1000			
652-3364W-1-104E	3364W-1-104E	100K				1000			



Single-Turn Trimmers Bourns

BOURNS 3306 SERIES 6MM ROUND SINGLE TURN CERMET TRIMMING POTENTIOMETER

Features:

- Industrial / open frame
- Cross slot adjustment options
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- PC board stand-offs and retention feature
- Front and top adjust styles
- Lead free terminals

Electrical Characteristics:

- Resistance tolerance: $\pm 30\%$ standard
- Absolute min. resistance: 1% max. ($\leq 2K=30\Omega$)
- Contact resistance variation: 3% max.
- Resolution: Essentially infinite
- Adjustment angle: 215° nominal

Environmental Characteristics:

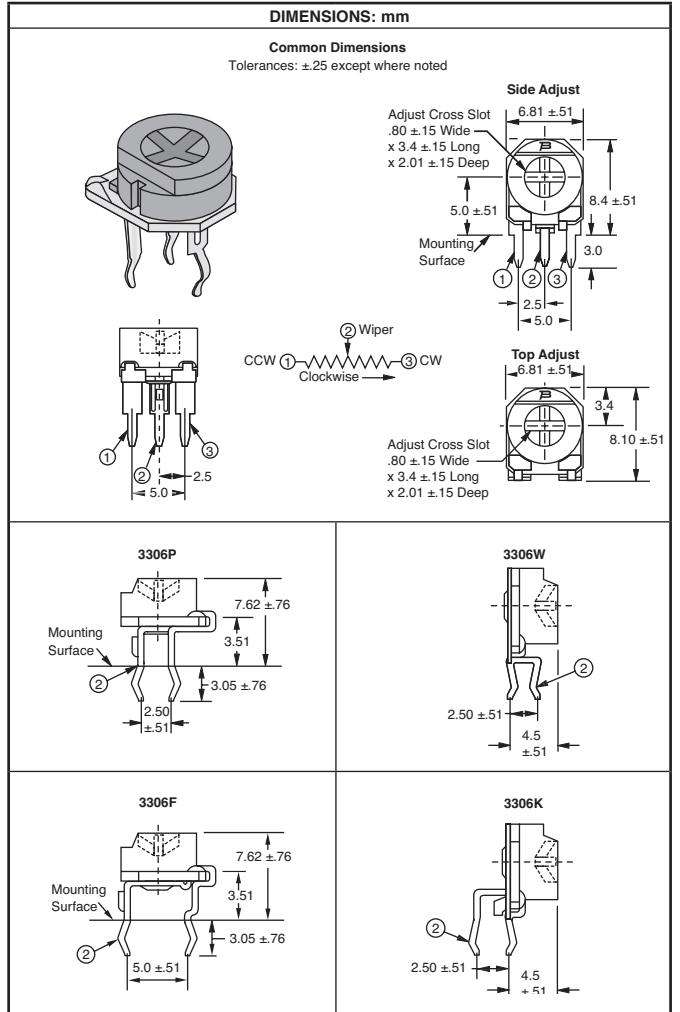
- Power rating (100 Volts max.): 70°C: 0.3W
- Temperature range: -30°C to +100°C
- Temperature coefficient: $\pm 250\text{ppm}/^\circ\text{C}$
- Load life: 1000 hours 0.3W @ 70°C



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each						
			1	25	100	500	1000	2000	5000
652-3306W-1-101	3306W-1-101	100							
652-3306W-1-201	3306W-1-201	200							
652-3306W-1-501	3306W-1-501	500							
652-3306W-1-102	3306W-1-102	1K							
652-3306W-1-202	3306W-1-202	2K							
652-3306W-1-502	3306W-1-502	5K							
652-3306W-1-103	3306W-1-103	10K							
652-3306W-1-203	3306W-1-203	20K							
652-3306W-1-253	3306W-1-253	25K							
652-3306W-1-503	3306W-1-503	50K							
652-3306W-1-104	3306W-1-104	100K							
652-3306K-1-101	3306K-1-101	100							
652-3306K-1-201	3306K-1-201	200							
652-3306K-1-501	3306K-1-501	500							
652-3306K-1-102	3306K-1-102	1K							
652-3306K-1-202	3306K-1-202	2K							
652-3306K-1-502	3306K-1-502	5K							
652-3306K-1-103	3306K-1-103	10K							
652-3306K-1-203	3306K-1-203	20K							
652-3306K-1-253	3306K-1-253	25K							
652-3306K-1-503	3306K-1-503	50K							
652-3306K-1-104	3306K-1-104	100K							
652-3306P-1-101	3306P-1-101	100							
652-3306P-1-201	3306P-1-201	200							
652-3306P-1-501	3306P-1-501	500							
652-3306P-1-102	3306P-1-102	1K							
652-3306P-1-202	3306P-1-202	2K							
652-3306P-1-502	3306P-1-502	5K							
652-3306P-1-103	3306P-1-103	10K							
652-3306P-1-203	3306P-1-203	20K							
652-3306P-1-253	3306P-1-253	25K							
652-3306P-1-503	3306P-1-503	50K							
652-3306P-1-104	3306P-1-104	100K							
652-3306F-1-101	3306F-1-101	100							
652-3306F-1-201	3306F-1-201	200							
652-3306F-1-501	3306F-1-501	500							
652-3306F-1-102	3306F-1-102	1K							
652-3306F-1-202	3306F-1-202	2K							
652-3306F-1-502	3306F-1-502	5K							
652-3306F-1-103	3306F-1-103	10K							
652-3306F-1-203	3306F-1-203	20K							
652-3306F-1-253	3306F-1-253	25K							
652-3306F-1-503	3306F-1-503	50K							
652-3306F-1-104	3306F-1-104	100K							



RoHS Compliant This product is RoHS compliant.

BOURNS 3309W & 3309P SERIES 9MM ROUND SINGLE TURN CERMET TRIMMING POTENTIOMETERS

Features:

- Cermet industrial / open frame
- Top and single side (front) adjust
- Cross slot designs
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- PC board stand-offs and retention feature
- RoHS compliant

Electrical Characteristics:

- Resistance tolerance: $\pm 25\%$ standard
- Absolute min. resistance: 2% max. ($\leq 2k=30\Omega$)
- Contact resistance variation: .3% max.
- Resolution: Essentially infinite
- Adjustment angle: 235° nominal

Environmental Characteristics:

- Power rating (250V max.): 70°C: 0.5W
- Temperature range: -25°C to +100°C

- Temperature coefficient: $\pm 250\text{ppm}/^\circ\text{C}$
- Load life: 1000 hours 0.5W @ 70°C (5%)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Style (Adjust)	Price Each							
				1	50	100	200	500	1000	2000	
652-3309W-1-101	3309W-1-101	100	Front								
652-3309W-1-201	3309W-1-201	200	Front								
652-3309W-1-501	3309W-1-501	500	Front								
652-3309W-1-102	3309W-1-102	1K	Front								
652-3309W-1-202	3309W-1-202	2K	Front								
652-3309W-1-502	3309W-1-502	5K	Front								
652-3309W-1-103	3309W-1-103	10K	Front								
652-3309W-1-203	3309W-1-203	20K	Front								
652-3309W-1-253	3309W-1-253	25K	Front								
652-3309W-1-503	3309W-1-503	50K	Front								
652-3309W-1-104	3309W-1-104	100K	Front								
652-3309P-1-101	3309P-1-101	100	Top								
652-3309P-1-201	3309P-1-201	200	Top								
652-3309P-1-501	3309P-1-501	500	Top								
652-3309P-1-102	3309P-1-102	1K	Top								
652-3309P-1-202	3309P-1-202	2K	Top								
652-3309P-1-502	3309P-1-502	5K	Top								
652-3309P-1-103	3309P-1-103	10K	Top								
652-3309P-1-203	3309P-1-203	20K	Top								
652-3309P-1-253	3309P-1-253	25K	Top								
652-3309P-1-503	3309P-1-503	50K	Top								
652-3309P-1-104	3309P-1-104	100K	Top								

3309W-1 **DIMENSIONS: mm**

Suggested PWB Layout

3309P-1

Suggested PWB Layout

BOURNS 3319W & 3319P SERIES 9MM ROUND SINGLE TURN CARBON TRIMMING POTENTIOMETERS

Features:

- Carbon commercial / open frame
- Both sides adjust
- Cross slot adjustment designs
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- PC board stand-offs and retention feature
- RoHS compliant

Electrical Characteristics:

- Resistance tolerance: $\pm 25\%$ standard
- End resistance: 2% max. ($\leq 2k=30\Omega$)
- Contact resistance variation: 3% max.
- Resolution: Infinite
- Adjustment angle: 235° nominal

Environmental Characteristics:

- Power rating (200V max.): 70°C: 0.2W
- Temperature range: -25°C to +100°C

- Temperature coefficient: $\pm 1000\text{ppm}/^\circ\text{C}$
- Load life: 1000 hours 0.2W @ 70°C



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Style (Adjust)	Price Each							
				1	50	100	200	500	1000	2000	
652-3319W-1-101	3319W-1-101	100	Side								
652-3319W-1-201	3319W-1-201	200	Side								
652-3319W-1-501	3319W-1-501	500	Side								
652-3319W-1-102	3319W-1-102	1K	Side								
652-3319W-1-202	3319W-1-202	2K	Side								
652-3319W-1-502	3319W-1-502	5K	Side								
652-3319W-1-103	3319W-1-103	10K	Side								
652-3319W-1-203	3319W-1-203	20K	Side								
652-3319W-1-503	3319W-1-503	50K	Side								
652-3319W-1-104	3319W-1-104	100K	Side								
652-3319P-1-101	3319P-1-101	100	Top								
652-3319P-1-201	3319P-1-201	200	Top								
652-3319P-1-501	3319P-1-501	500	Top								
652-3319P-1-102	3319P-1-102	1K	Top								
652-3319P-1-202	3319P-1-202	2K	Top								
652-3319P-1-502	3319P-1-502	5K	Top								
652-3319P-1-103	3319P-1-103	10K	Top								
652-3319P-1-203	3319P-1-203	20K	Top								
652-3319P-1-503	3319P-1-503	50K	Top								
652-3319P-1-104	3319P-1-104	100K	Top								

3319W-1 **DIMENSIONS: mm**

Suggested PWB Layout

3319P-1

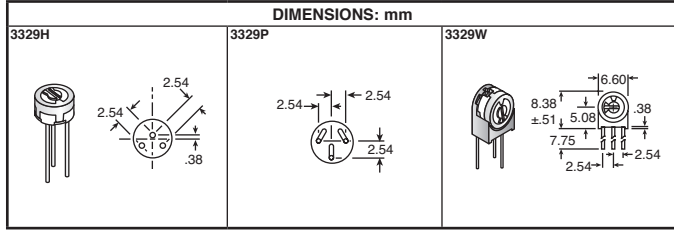
Suggested PWB Layout

BOURNS Single-Turn Trimmer Potentiometers **BOURNS®**



This product is RoHS compliant.

BOURNS® 3329 SERIES 1/4" SINGLE TURN ROUND / INDUSTRIAL / SEALED



RoHS Compliant

For quantities greater than listed, call for quote.

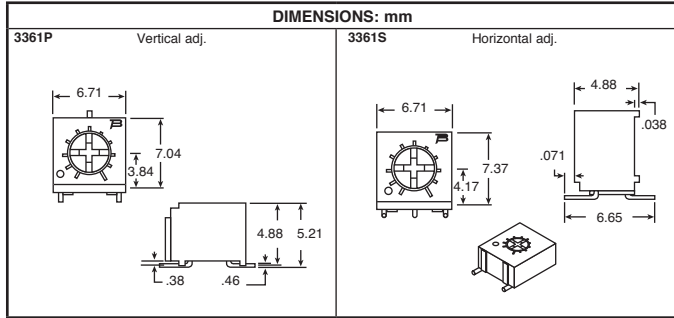
Specifications:

- Resistance tolerance: $\pm 10\%$ std.
- Power rating: 85°C - 0.50W; 150°C - 0W
- Temperature range: -55°C to +150°C
- Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$

Series No.	Price Each					
	1	10	50	100	500	1000
3329H, 3329P						
3329W						

Value (Ω)	3329H Series	3329P Series	3329W Series
	MOUSER STOCK NO.		
50	652-3329H-1-500LF	652-3329P-1-500LF	652-3329W-1-500LF
100	652-3329H-1-101LF	652-3329P-1-101LF	652-3329W-1-101LF
200	652-3329H-1-201LF	652-3329P-1-201LF	652-3329W-1-201LF
500	652-3329H-1-501LF	652-3329P-1-501LF	652-3329W-1-501LF
1K	652-3329H-1-102LF	652-3329P-1-102LF	652-3329W-1-102LF
2K	652-3329H-1-202LF	652-3329P-1-202LF	652-3329W-1-202LF
5K	652-3329H-1-502LF	652-3329P-1-502LF	652-3329W-1-502LF
10K	652-3329H-1-103LF	652-3329P-1-103LF	652-3329W-1-103LF
20K	652-3329H-1-203LF	652-3329P-1-203LF	652-3329W-1-203LF
25K	652-3329H-1-253LF	652-3329P-1-253LF	652-3329W-1-253LF
50K	652-3329H-1-503LF	652-3329P-1-503LF	652-3329W-1-503LF
100K	652-3329H-1-104LF	652-3329P-1-104LF	652-3329W-1-104LF
200K	652-3329H-1-204LF	652-3329P-1-204LF	652-3329W-1-204LF
500K	652-3329H-1-504LF	652-3329P-1-504LF	652-3329W-1-504LF
1M	652-3329H-1-105LF	652-3329P-1-105LF	652-3329W-1-105LF

BOURNS® 3361 SERIES 1/4" SQUARE/ CERMET/ SEALED



Features:

- Surface mount / single turn / industrial / sealed
- Miniature package
- Rotor designed for automatic machine adjust interface
- Withstands harsh environments and immersion
- Compatible with surface mount manufacturing processes

Specification:

- Resistance tolerance: $\pm 10\%$ std. (tighter tolerance available)
- Power rating: (300V max.) 70°C - 0.50W; 125°C - 0W
- Temp. range: -55°C to +125°C
- Temp. coefficient: $\pm 100\text{ppm}/^\circ\text{C}$
- Rotational life: 200 cycles



RoHS Compliant

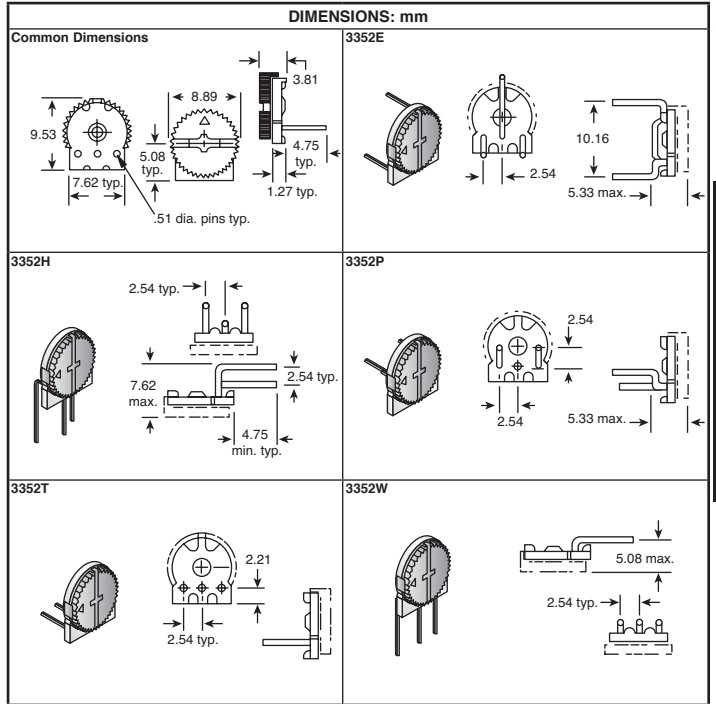
Series No.	Reel Qty.	Price Each					
		1	50	100	500	750	+2000
3361P	750						
3361S	500						

Value (Ω)	3361P	3361S
	MOUSER STOCK NO.	
100	652-3361P-1-101GLF	652-3361S-1-101GLF
200	652-3361P-1-201GLF	652-3361S-1-201GLF
500	652-3361P-1-501GLF	652-3361S-1-501GLF
1K	652-3361P-1-102GLF	652-3361S-1-102GLF
2K	652-3361P-1-202GLF	652-3361S-1-202GLF
5K	652-3361P-1-502GLF	652-3361S-1-502GLF
10K	652-3361P-1-103GLF	652-3361S-1-103GLF
20K	652-3361P-1-203GLF	652-3361S-1-203GLF
25K	652-3361P-1-253GLF	652-3361S-1-253GLF
50K	652-3361P-1-503GLF	652-3361S-1-503GLF
100K	652-3361P-1-104GLF	652-3361S-1-104GLF

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BOURNS® 3352 SERIES 3/8" SINGLE TURN ROUND / CERMET / OPEN FRAME / TRIMMER



Features:

- Stable cermet element offers infinite resolution
- Very low profile
- Thumb and screwdriver adjustment



RoHS Compliant

Specifications:

- Resistance tolerance: $\pm 20\%$ std.
- Power rating: 85°C - 0.50W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$ 2K and up; $\pm 150\text{ppm}/^\circ\text{C}$ below 2K

Series No.	Price Each						
	1	10	50	100	500	1000	+2000
3352E							
3352H							
3352P							
3352T							
3352W							Call for Quote

Value (Ω)	3352T Series	3352W Series	3352P Series
	MOUSER STOCK NO.		
50	652-3352E-1-500LF	652-3352H-1-500LF	652-3352P-1-500LF
100	652-3352E-1-101LF	652-3352H-1-101LF	652-3352P-1-101LF
200	652-3352E-1-201LF	652-3352H-1-201LF	652-3352P-1-201LF
500	652-3352E-1-501LF	652-3352H-1-501LF	652-3352P-1-501LF
1K	652-3352E-1-102LF	652-3352H-1-102LF	652-3352P-1-102LF
2K	652-3352E-1-202LF	652-3352H-1-202LF	652-3352P-1-202LF
5K	652-3352E-1-502LF	652-3352H-1-502LF	652-3352P-1-502LF
10K	652-3352E-1-103LF	652-3352H-1-103LF	652-3352P-1-103LF
20K	652-3352E-1-203LF	652-3352H-1-203LF	652-3352P-1-203LF
25K	652-3352E-1-503LF	652-3352H-1-503LF	652-3352P-1-503LF
100K	652-3352E-1-104LF	652-3352H-1-104LF	652-3352P-1-104LF
200K	652-3352E-1-204LF	652-3352H-1-204LF	652-3352P-1-204LF
500K	652-3352E-1-504LF	652-3352H-1-504LF	652-3352P-1-504LF
1M	652-3352E-1-105LF	652-3352H-1-105LF	652-3352P-1-105LF
2M	652-3352E-1-205LF	652-3352H-1-205LF	652-3352P-1-205LF

Value (Ω)	3352T Series	3352W Series
	MOUSER STOCK NO.	
50	652-3352T-1-500LF	652-3352W-1-500LF
100	652-3352T-1-101LF	652-3352W-1-101LF
200	652-3352T-1-201LF	652-3352W-1-201LF
500	652-3352T-1-501LF	652-3352W-1-501LF
1K	652-3352T-1-102LF	652-3352W-1-102LF
2K	652-3352T-1-202LF	652-3352W-1-202LF
5K	652-3352T-1-502LF	652-3352W-1-502LF
10K	652-3352T-1-103LF	652-3352W-1-103LF
20K	652-3352T-1-203LF	652-3352W-1-203LF
50K	652-3352T-1-503LF	652-3352W-1-503LF
100K	652-3352T-1-104LF	652-3352W-1-104LF
200K	652-3352T-1-204LF	652-3352W-1-204LF
500K	652-3352T-1-504LF	652-3352W-1-504LF
1M	652-3352T-1-105LF	652-3352W-1-105LF
2M	652-3352T-1-205LF	652-3352W-1-205LF

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For current pricing, visit mouser.com

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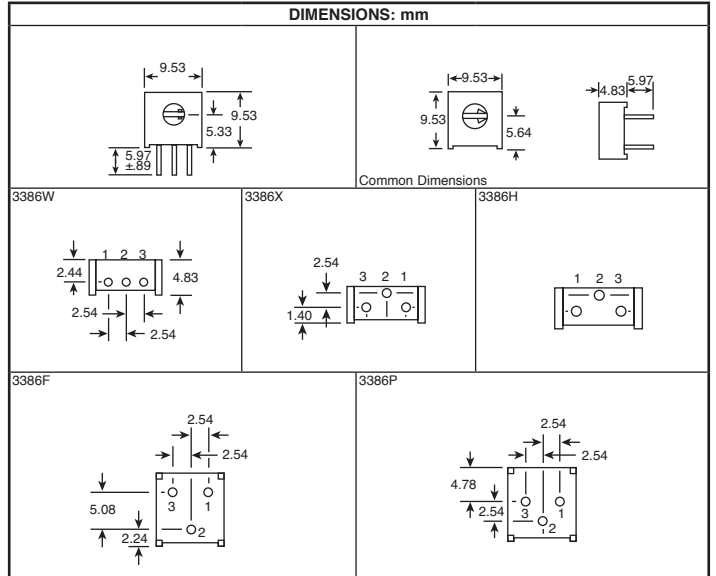
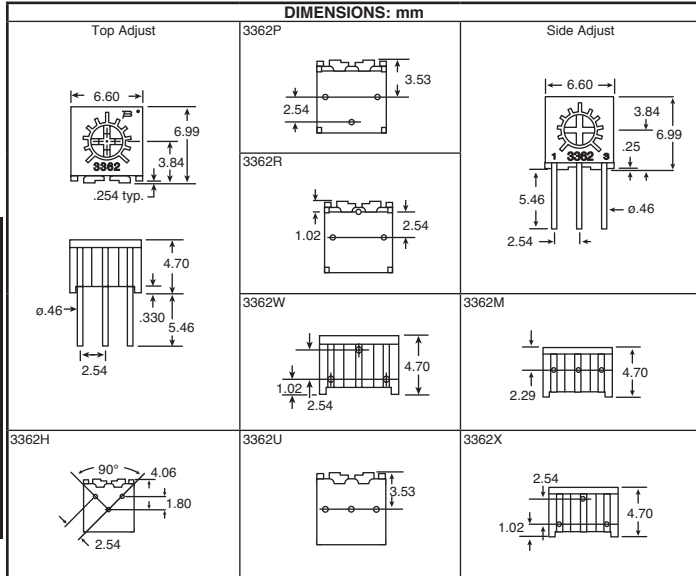
Single-Turn Trimmers
Bourns

BOURNS Single-Turn Trimmer Potentiometers **BOURNS**

RoHS Compliant This product is RoHS compliant.

BOURNS 3362 SERIES 1/4" SQUARE/ INDUSTRIAL/ SEALED

BOURNS 3386 SERIES 3/8" SQUARE/ INDUSTRIAL/ SEALED



- Features:**
- Single turn / cermet / industrial / sealed
 - Miniature package
 - Rotor designed for automatic machine adjust interface
 - Withstands harsh environments and immersion cleaning processes
 - Available on tape and reel packaging

- Specification:**
- Resistance tolerance: $\pm 10\%$ std. (tighter tolerance available)
 - Power rating: (300V max.) 70°C - 0.50W; 125°C - 0W
 - Temperature range: -55°C to +125°C
 - Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$
 - Rotational life: 200 cycles
 - Seal test: 85°C fluorimert
 - Marking: resistance code, terminal numbers, manufacturer's model number, style, and date code.

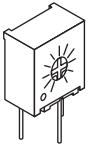
- Features:**
- Single turn / cermet / industrial / sealed
 - Available on tape and reel
 - Available with a knob for finger adjust
 - Available with extended shaft
 - Available with cross-slot rotor
 - Top and side adjust types (F, P, H, W, X, most popular)

- Specifications:**
- Resistance tolerance: $\pm 10\%$ std. (tighter tolerance available)
 - Absolute minimum resistance: 2 Ω max.
 - Power rating: (300 volts max.) 85°C - 0.5 watt; 125°C - 0 watt
 - Temperature range: -55°C to +125°C
 - Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$
 - Rotational life: 200 cycles

Bourns Single-Turn Trimmers



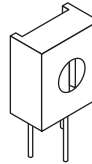
RoHS Compliant



Series No.	Price Each						
	1	10	50	100	500	1000	+2000
3362H							Call for Quote
3362M							
3362P							
3362R							
3362U							
3362W							
3362X							



RoHS Compliant



Series No.	Price Each						
	1	10	50	100	500	1000	+2000
3386W							Call for Quote
3386F							
3386H							
3386P							
3386X							

Value (Ω)	3362P Series	3362R Series	3362W Series
	MOUSER STOCK NO.		
100	652-3362P-1-101LF	652-3362R-1-101LF	652-3362W-1-101LF
200	652-3362P-1-201LF	652-3362R-1-201LF	652-3362W-1-201LF
500	652-3362P-1-501LF	652-3362R-1-501LF	652-3362W-1-501LF
1K	652-3362P-1-102LF	652-3362R-1-102LF	652-3362W-1-102LF
2K	652-3362P-1-202LF	652-3362R-1-202LF	652-3362W-1-202LF
5K	652-3362P-1-502LF	652-3362R-1-502LF	652-3362W-1-502LF
10K	652-3362P-1-103LF	652-3362R-1-103LF	652-3362W-1-103LF
20K	652-3362P-1-203LF	652-3362R-1-203LF	652-3362W-1-203LF
25K	652-3362P-1-253LF	652-3362R-1-253LF	652-3362W-1-253LF
50K	652-3362P-1-503LF	652-3362R-1-503LF	652-3362W-1-503LF
100K	652-3362P-1-104LF	652-3362R-1-104LF	652-3362W-1-104LF

Value (Ω)	3362H Series	3362M Series
	MOUSER STOCK NO.	
100	652-3362H-1-101LF	652-3362M-1-101LF
200	652-3362H-1-201LF	652-3362M-1-201LF
500	652-3362H-1-501LF	652-3362M-1-501LF
1K	652-3362H-1-102LF	652-3362M-1-102LF
2K	652-3362H-1-202LF	652-3362M-1-202LF
5K	652-3362H-1-502LF	652-3362M-1-502LF
10K	652-3362H-1-103LF	652-3362M-1-103LF
20K	652-3362H-1-203LF	652-3362M-1-203LF
25K	652-3362H-1-253LF	652-3362M-1-253LF
50K	652-3362H-1-503LF	652-3362M-1-503LF
100K	652-3362H-1-104LF	652-3362M-1-104LF

Value (Ω)	3362U Series	3362X Series
	MOUSER STOCK NO.	
100	652-3362U-1-101LF	652-3362X-1-101LF
200	652-3362U-1-201LF	652-3362X-1-201LF
500	652-3362U-1-501LF	652-3362X-1-501LF
1K	652-3362U-1-102LF	652-3362X-1-102LF
2K	652-3362U-1-202LF	652-3362X-1-202LF
5K	652-3362U-1-502LF	652-3362X-1-502LF
10K	652-3362U-1-103LF	652-3362X-1-103LF
20K	652-3362U-1-203LF	652-3362X-1-203LF
25K	652-3362U-1-253LF	652-3362X-1-253LF
50K	652-3362U-1-503LF	652-3362X-1-503LF
100K	652-3362U-1-104LF	652-3362X-1-104LF

Value (Ω)	3386W Series	3386F Series	3386H Series
	MOUSER STOCK NO.		
50	652-3386W-1-500LF	652-3386F-1-500LF	652-3386H-1-500LF
100	652-3386W-1-101LF	652-3386F-1-101LF	652-3386H-1-101LF
200	652-3386W-1-201LF	652-3386F-1-201LF	652-3386H-1-201LF
500	652-3386W-1-501LF	652-3386F-1-501LF	652-3386H-1-501LF
1K	652-3386W-1-102LF	652-3386F-1-102LF	652-3386H-1-102LF
2K	652-3386W-1-202LF	652-3386F-1-202LF	652-3386H-1-202LF
5K	652-3386W-1-502LF	652-3386F-1-502LF	652-3386H-1-502LF
10K	652-3386W-1-103LF	652-3386F-1-103LF	652-3386H-1-103LF
20K	652-3386W-1-203LF	652-3386F-1-203LF	652-3386H-1-203LF
25K	652-3386W-1-253LF	652-3386F-1-253LF	652-3386H-1-253LF
50K	652-3386W-1-503LF	652-3386F-1-503LF	652-3386H-1-503LF
100K	652-3386W-1-104LF	652-3386F-1-104LF	652-3386H-1-104LF
200K	652-3386W-1-204LF	652-3386F-1-204LF	652-3386H-1-204LF
250K	652-3386W-1-254LF	652-3386F-1-254LF	652-3386H-1-254LF
500K	652-3386W-1-504LF	652-3386F-1-504LF	652-3386H-1-504LF
1M	652-3386W-1-105LF	652-3386F-1-105LF	652-3386H-1-105LF
2M	652-3386W-1-205LF	652-3386F-1-205LF	652-3386H-1-205LF

Value (Ω)	3386P Series	3386X Series
	MOUSER STOCK NO.	
50	652-3386P-1-500LF	652-3386X-1-500LF
100	652-3386P-1-101LF	652-3386X-1-101LF
200	652-3386P-1-201LF	652-3386X-1-201LF
500	652-3386P-1-501LF	652-3386X-1-501LF
1K	652-3386P-1-102LF	652-3386X-1-102LF
2K	652-3386P-1-202LF	652-3386X-1-202LF
5K	652-3386P-1-502LF	652-3386X-1-502LF
10K	652-3386P-1-103LF	652-3386X-1-103LF
20K	652-3386P-1-203LF	652-3386X-1-203LF
25K	652-3386P-1-253LF	652-3386X-1-253LF
50K	652-3386P-1-503LF	652-3386X-1-503LF
100K	652-3386P-1-104LF	652-3386X-1-104LF
200K	652-3386P-1-204LF	652-3386X-1-204LF
250K	652-3386P-1-254LF	652-3386X-1-254LF
500K	652-3386P-1-504LF	652-3386X-1-504LF
1M	652-3386P-1-105LF	652-3386X-1-105LF
2M	652-3386P-1-205LF	652-3386X-1-205LF

BOURNS Single-Turn Trimmer Potentiometers **BOURNS**

BOURNS 3313 SERIES 3MM SQUARE/CERMET/SEALED

Features:

- Surface mount single-turn
- Compatible with surface mount manufacturing processes
- Rotor stop for "in-circuit" adjustment
- 100 cycle rotational and seal life
- Patent #5043695 assembly for seal integrity
- Plastic housing for RF applications

Specifications:

- Resistance tolerance: $\pm 20\%$ standard
- Power rating: (200 volts max.)
70°C @ 0.125W
125°C @ 0W
- Temperature coefficient:
 $\leq 100\Omega \pm 150\text{ppm}/^\circ\text{C}$
 $\geq 100\Omega \pm 100\text{ppm}/^\circ\text{C}$
- Rotational life: 100 cycles TRS $\pm 3\%$
- Operating temp. range: -55°C to +125°C



RoHS Compliant

For quantities greater than listed, call for quote.

Vertical Adjust

MOUSER STOCK NO.	Bourns Part No.	Value	Figure	Price Each							
				1	25	50	100	250	500	1000	2000
652-3313J-1-101E	3313J-1-101E	100	3313J								
652-3313J-1-201E	3313J-1-201E	200	3313J								
652-3313J-1-501E	3313J-1-501E	500	3313J								
652-3313J-1-102E	3313J-1-102E	1K	3313J								
652-3313J-1-202E	3313J-1-202E	2K	3313J								
652-3313J-1-502E	3313J-1-502E	5K	3313J								
652-3313J-1-103E	3313J-1-103E	10K	3313J								
652-3313J-1-203E	3313J-1-203E	20K	3313J								
652-3313J-1-503E	3313J-1-503E	50K	3313J								
652-3313J-1-104E	3313J-1-104E	100K	3313J								

Horizontal Adjust

MOUSER STOCK NO.	Bourns Part No.	Value	Figure	Price Each							
				1	50	100	200	400	600	800	1200
652-3313S-1-101E	3313S-1-101E	100	3313S								
652-3313S-1-201E	3313S-1-201E	200	3313S								
652-3313S-1-501E	3313S-1-501E	500	3313S								
652-3313S-1-102E	3313S-1-102E	1K	3313S								
652-3313S-1-202E	3313S-1-202E	2K	3313S								
652-3313S-1-502E	3313S-1-502E	5K	3313S								
652-3313S-1-103E	3313S-1-103E	10K	3313S								
652-3313S-1-203E	3313S-1-203E	20K	3313S								
652-3313S-1-503E	3313S-1-503E	50K	3313S								
652-3313S-1-104E	3313S-1-104E	100K	3313S								

BOURNS 3314 SERIES 4MM SQUARE/SMD/CERMET/SEALED

Features:

- Single turn / industrial
- Compatible with surface mount manufacturing processes
- Compatible with popular vacuum pick-and-place equipment

Specifications:

- Resistance tolerance: $\pm 20\%$ standard
- Temperature range: -55°C to +125°C
- Temp. coefficient: $\pm 100\text{ppm}/^\circ\text{C}$
- Mechanical angle: 240° nominal
- Torque: 180g-cm typical
- Stop strength: 300g-cm typical
- Marking: Manufacturer's code, resistance code, and date code
- Wiper: Positioned at 50% nominal



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Value	Figure	Price Each					
				1	100	200	500	1000	2000
652-3314J-1-101E	3314J-1-101E	100	3314J						
652-3314J-1-201E	3314J-1-201E	200	3314J						
652-3314J-1-501E	3314J-1-501E	500	3314J						
652-3314J-1-102E	3314J-1-102E	1K	3314J						
652-3314J-1-202E	3314J-1-202E	2K	3314J						
652-3314J-1-502E	3314J-1-502E	5K	3314J						
652-3314J-1-103E	3314J-1-103E	10K	3314J						
652-3314J-1-203E	3314J-1-203E	20K	3314J						
652-3314J-1-503E	3314J-1-503E	50K	3314J						
652-3314J-1-104E	3314J-1-104E	100K	3314J						
652-3314G-1-101E	3314G-1-101E	100	3314G						
652-3314G-1-201E	3314G-1-201E	200	3314G						
652-3314G-1-501E	3314G-1-501E	500	3314G						
652-3314G-1-102E	3314G-1-102E	1K	3314G						
652-3314G-1-202E	3314G-1-202E	2K	3314G						
652-3314G-1-502E	3314G-1-502E	5K	3314G						
652-3314G-1-103E	3314G-1-103E	10K	3314G						
652-3314G-1-203E	3314G-1-203E	20K	3314G						
652-3314G-1-503E	3314G-1-503E	50K	3314G						
652-3314G-1-104E	3314G-1-104E	100K	3314G						
652-3314Z-1-101E	3314Z-1-101E	100	3314Z						
652-3314Z-1-201E	3314Z-1-201E	200	3314Z						
652-3314Z-1-501E	3314Z-1-501E	500	3314Z						
652-3314Z-1-102E	3314Z-1-102E	1K	3314Z						
652-3314Z-1-202E	3314Z-1-202E	2K	3314Z						
652-3314Z-1-502E	3314Z-1-502E	5K	3314Z						
652-3314Z-1-103E	3314Z-1-103E	10K	3314Z						
652-3314Z-1-203E	3314Z-1-203E	20K	3314Z						
652-3314Z-1-104E	3314Z-1-104E	100K	3314Z						
652-3314S-1-101E	3314S-1-101E	100	3314S						
652-3314S-1-201E	3314S-1-201E	200	3314S						
652-3314S-1-501E	3314S-1-501E	500	3314S						
652-3314S-1-102E	3314S-1-102E	1K	3314S						
652-3314S-1-202E	3314S-1-202E	2K	3314S						
652-3314S-1-502E	3314S-1-502E	5K	3314S						
652-3314S-1-103E	3314S-1-103E	10K	3314S						
652-3314S-1-203E	3314S-1-203E	20K	3314S						
652-3314S-1-503E	3314S-1-503E	50K	3314S						
652-3314S-1-104E	3314S-1-104E	100K	3314S						

DIMENSIONS: mm

3313J

Vertical adj. Recommended Land Pattern

3312S

Horizontal adj. Recommended Land Pattern

DIMENSIONS: mm

3314J

3314G

3314Z

Rotor positioned as shown within $\pm 22^\circ$ of centerline of terminal 2

3314S

Rotor positioned as shown within $\pm 22^\circ$ of centerline of terminal 2

MURATA Trimmer Potentiometers



RoHS Compliant This product is RoHS compliant.

2MM SMD OPEN TYPE TRIMMER POTENTIOMETERS

- Ultra-small and thin external dimensions
- Cross-shaped driver slot allows for in-process automatic adjustment
- and it provides superior adjustability.
- Au plated termination achieves a high density PCB mounting.
- Two-piece parts construction achieves low cost and excellent quality.
- Lead Free

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (Ω)	Power Rating (W)	Soldering Method	TCR (ppm / °C)	Price Each			
							1	50	100	500
81-PVA2A101A01R00	PVA2A101A01R00	A	100	0.1	Reflow / Soldering Iron	±250				
81-PVA2A151A01R00	PVA2A151A01R00	A	150	0.1	Reflow / Soldering Iron	±250				
81-PVA2A221A01R00	PVA2A221A01R00	A	220	0.1	Reflow / Soldering Iron	±250				
81-PVA2A331A01R00	PVA2A331A01R00	A	330	0.1	Reflow / Soldering Iron	±250				
81-PVA2A471A01R00	PVA2A471A01R00	A	470	0.1	Reflow / Soldering Iron	±250				
81-PVA2A681A01R00	PVA2A681A01R00	A	680	0.1	Reflow / Soldering Iron	±250				
81-PVA2A102A01R00	PVA2A102A01R00	A	1K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A152A01R00	PVA2A152A01R00	A	1.5K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A222A01R00	PVA2A222A01R00	A	2.2K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A332A01R00	PVA2A332A01R00	A	3.3K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A472A01R00	PVA2A472A01R00	A	4.7K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A682A01R00	PVA2A682A01R00	A	6.8K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A103A01R00	PVA2A103A01R00	A	10K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A153A01R00	PVA2A153A01R00	A	15K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A223A01R00	PVA2A223A01R00	A	22K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A473A01R00	PVA2A473A01R00	A	47K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A683A01R00	PVA2A683A01R00	A	68K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A104A01R00	PVA2A104A01R00	A	100K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A154A01R00	PVA2A154A01R00	A	150K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A224A01R00	PVA2A224A01R00	A	220K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A334A01R00	PVA2A334A01R00	A	330K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A474A01R00	PVA2A474A01R00	A	470K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A684A01R00	PVA2A684A01R00	A	680K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A105A01R00	PVA2A105A01R00	A	1000K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A155A01R00	PVA2A155A01R00	A	1500K	0.1	Reflow / Soldering Iron	±250				
81-PVA2A225A01R00	PVA2A225A01R00	A	2200K	0.1	Reflow / Soldering Iron	±250				
81-PVZ2A471C04R00	PVZ2A471C04R00	B	470	0.1	Reflow	±500				
81-PVZ2A681C04R00	PVZ2A681C04R00	B	680	0.1	Reflow	±500				
81-PVZ2A102C04R00	PVZ2A102C04R00	B	1K	0.1	Reflow	±500				
81-PVZ2A152C04R00	PVZ2A152C04R00	B	1.5K	0.1	Reflow	±500				
81-PVZ2A222C04R00	PVZ2A222C04R00	B	2.2K	0.1	Reflow	±500				
81-PVZ2A332C04R00	PVZ2A332C04R00	B	3.3K	0.1	Reflow	±500				
81-PVZ2A472C04R00	PVZ2A472C04R00	B	4.7K	0.1	Reflow	±500				
81-PVZ2A682C04R00	PVZ2A682C04R00	B	6.8K	0.1	Reflow	±500				
81-PVZ2A103C04R00	PVZ2A103C04R00	B	10K	0.1	Reflow	±500				
81-PVZ2A153C04R00	PVZ2A153C04R00	B	15K	0.1	Reflow	±500				
81-PVZ2A223C04R00	PVZ2A223C04R00	B	22K	0.1	Reflow	±500				
81-PVZ2A333C04R00	PVZ2A333C04R00	B	33K	0.1	Reflow	±500				
81-PVZ2A473C04R00	PVZ2A473C04R00	B	47K	0.1	Reflow	±500				
81-PVZ2A683C04R00	PVZ2A683C04R00	B	68K	0.1	Reflow	±500				
81-PVZ2A104C04R00	PVZ2A104C04R00	B	100K	0.1	Reflow	±500				
81-PVZ2A224C04R00	PVZ2A224C04R00	B	220K	0.1	Reflow	±500				
81-PVZ2A334C04R00	PVZ2A334C04R00	B	330K	0.1	Reflow	±500				
81-PVZ2A474C04R00	PVZ2A474C04R00	B	470K	0.1	Reflow	±500				
81-PVZ2A684C04R00	PVZ2A684C04R00	B	680K	0.1	Reflow	±500				
81-PVZ2A105C04R00	PVZ2A105C04R00	B	1000K	0.1	Reflow	±500				
81-PVZ2A155C04R00	PVZ2A155C04R00	B	1500K	0.1	Reflow	±500				

3MM SMD SEALED TRIMMER POTENTIOMETERS

- Excellent solderability characteristics are achieved via special plating techniques on each termination.
- Specially designed substrate prevents wicking of flux onto the top of the part body.
- Funnel shaped adjustment slot allows for in-process automatic adjustment.
- Enlarged bottom termination enhance soldering strength while reducing the necessary land area required promoting high-density PCB mounting.
- Lead Free

For quantities greater than listed, call for quote.

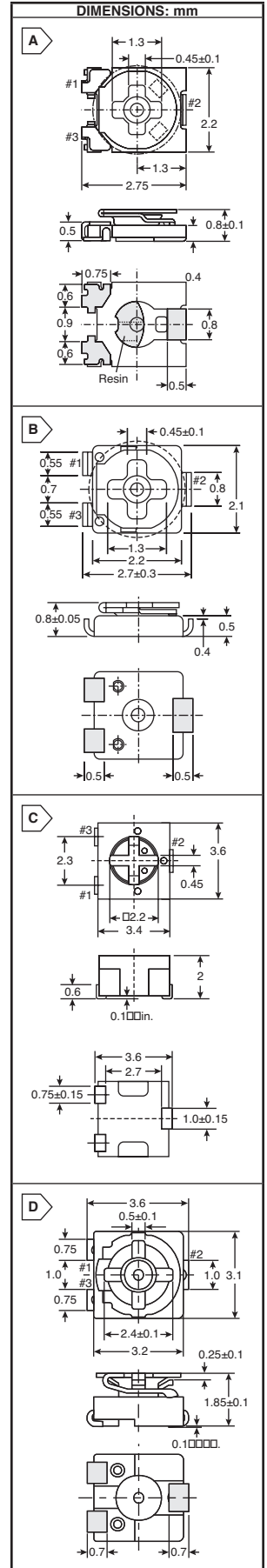
81-PVG3A200C01R00	PVG3A200C01R00	C	20	0.25	Reflow	±150				
81-PVG3A500C01R00	PVG3A500C01R00	C	50	0.25	Reflow	±150				
81-PVG3A101C01R00	PVG3A101C01R00	C	100	0.25	Reflow	±150				
81-PVG3A201C01R00	PVG3A201C01R00	C	200	0.25	Reflow	±150				
81-PVG3A501C01R00	PVG3A501C01R00	C	500	0.25	Reflow	±150				
81-PVG3A102C01R00	PVG3A102C01R00	C	1K	0.25	Reflow	±150				
81-PVG3A202C01R00	PVG3A202C01R00	C	2K	0.25	Reflow	±150				
81-PVG3A502C01R00	PVG3A502C01R00	C	5K	0.25	Reflow	±150				
81-PVG3A103C01R00	PVG3A103C01R00	C	10K	0.25	Reflow	±150				
81-PVG3A203C01R00	PVG3A203C01R00	C	20K	0.25	Reflow	±150				
81-PVG3A503C01R00	PVG3A503C01R00	C	50K	0.25	Reflow	±150				
81-PVG3A104C01R00	PVG3A104C01R00	C	100K	0.25	Reflow	±150				
81-PVG3A204C01R00	PVG3A204C01R00	C	200K	0.25	Reflow	±150				
81-PVG3A504C01B00	PVG3A504C01B00	C	500K	0.25	Reflow	±150				
81-PVG3A105C01R00	PVG3A105C01R00	C	1000K	0.25	Reflow	±150				
81-PVG3A205C01R00	PVG3A205C01R00	C	2000K	0.25	Reflow	±150				

3MM SMD OPEN TRIMMER POTENTIOMETERS

- Excellent solderability characteristics are achieved via special plating techniques on each termination
- Specially designed substrate prevents wicking of flux onto the top of the part body
- Funnel shaped adjustment slot allows for in-process automatic adjustment
- Enlarged bottom termination enhance soldering strength while reducing the necessary land area required promoting high-density PCB mounting
- Lead free

For quantities greater than listed, call for quote.

81-PVZ3A221C01R00	PVZ3A221C01R00	D	220	0.1	Reflow	±500				
81-PVZ3A331C01R00	PVZ3A331C01R00	D	330	0.1	Reflow	±500				
81-PVZ3A471C01R00	PVZ3A471C01R00	D	470	0.1	Reflow	±500				
81-PVZ3A681C01R00	PVZ3A681C01R00	D	680	0.1	Reflow	±500				
81-PVZ3A102C01R00	PVZ3A102C01R00	D	1K	0.1	Reflow	±500				
81-PVZ3A152C01R00	PVZ3A152C01R00	D	1.5K	0.1	Reflow	±500				
81-PVZ3A222C01R00	PVZ3A222C01R00	D	2.2K	0.1	Reflow	±500				
81-PVZ3A332C01R00	PVZ3A332C01R00	D	3.3K	0.1	Reflow	±500				
81-PVZ3A472C01R00	PVZ3A472C01R00	D	4.7K	0.1	Reflow	±500				
81-PVZ3A682C01R00	PVZ3A682C01R00	D	6.8K	0.1	Reflow	±500				
81-PVZ3A103C01R00	PVZ3A103C01R00	D	10K	0.1	Reflow	±500				
81-PVZ3A223C01R00	PVZ3A223C01R00	D	22K	0.1	Reflow	±500				
81-PVZ3A333C01R00	PVZ3A333C01R00	D	33K	0.1	Reflow	±500				
81-PVZ3A473C01R00	PVZ3A473C01R00	D	47K	0.1	Reflow	±500				
81-PVZ3A683C01R00	PVZ3A683C01R00	D	68K	0.1	Reflow	±500				
81-PVZ3A104C01R00	PVZ3A104C01R00	D	100K	0.1	Reflow	±500				
81-PVZ3A224C01R00	PVZ3A224C01R00	D	220K	0.1	Reflow	±500				
81-PVZ3A474C01R00	PVZ3A474C01R00	D	470K	0.1	Reflow	±500				
81-PVZ3A684C01R00	PVZ3A684C01R00	D	680K	0.1	Reflow	±500				
81-PVZ3A105C01R00	PVZ3A105C01R00	D	1000K	0.1	Reflow	±500				
81-PVZ3A155C01R00	PVZ3A155C01R00	D	1500K	0.1	Reflow	±500				
81-PVZ3A225C01R00	PVZ3A225C01R00	D	2200K	0.1	Reflow	±500				



Murata Single-Turn Trimmers

MURATA Trimmer Potentiometers and Angle Sensors



RoHS Compliant This product is RoHS compliant.

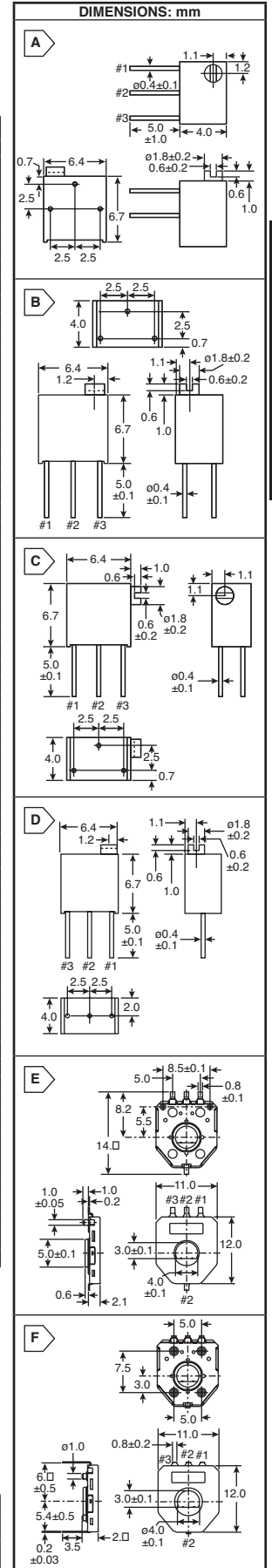
SMD MULTI-TURN TRIMMER POTENTIOMETERS, 12 TURNS CERMET

Features:

- 12 turn high resolution cermet
- Compatible with ultrasonic cleaning
- Clutch mechanism to prevent excessive wiper rotation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value Ω	Power Rating (W)	Soldering Method	TCR (ppm / °C)	Price Each			
							1	50	100	500
81-PV37P200C01B00	PV37P200C01B00	A	20	0.25	Flow / Soldering Iron	± 150				
81-PV37P500C01B00	PV37P500C01B00	A	50	0.25	Flow / Soldering Iron	± 150				
81-PV37P101C01B00	PV37P101C01B00	A	100	0.25	Flow / Soldering Iron	± 150				
81-PV37P201C01B00	PV37P201C01B00	A	200	0.25	Flow / Soldering Iron	± 150				
81-PV37P501C01B00	PV37P501C01B00	A	500	0.25	Flow / Soldering Iron	± 150				
81-PV37P102C01B00	PV37P102C01B00	A	1K	0.25	Flow / Soldering Iron	± 150				
81-PV37P202C01B00	PV37P202C01B00	A	2K	0.25	Flow / Soldering Iron	± 150				
81-PV37P502C01B00	PV37P502C01B00	A	5K	0.25	Flow / Soldering Iron	± 150				
81-PV37P103C01B00	PV37P103C01B00	A	10K	0.25	Flow / Soldering Iron	± 150				
81-PV37P203C01B00	PV37P203C01B00	A	20K	0.25	Flow / Soldering Iron	± 150				
81-PV37P253C01B00	PV37P253C01B00	A	25K	0.25	Flow / Soldering Iron	± 150				
81-PV37P503C01B00	PV37P503C01B00	A	50K	0.25	Flow / Soldering Iron	± 150				
81-PV37P104C01B00	PV37P104C01B00	A	100K	0.25	Flow / Soldering Iron	± 150				
81-PV37P204C01B00	PV37P204C01B00	A	200K	0.25	Flow / Soldering Iron	± 150				
81-PV37P504C01B00	PV37P504C01B00	A	500K	0.25	Flow / Soldering Iron	± 150				
81-PV37P105C01B00	PV37P105C01B00	A	1000K	0.25	Flow / Soldering Iron	± 150				
81-PV37P205C01B00	PV37P205C01B00	A	2000K	0.25	Flow / Soldering Iron	± 150				
81-PV37W200C01B00	PV37W200C01B00	B	20	0.25	Flow / Soldering Iron	± 150				
81-PV37W500C01B00	PV37W500C01B00	B	50	0.25	Flow / Soldering Iron	± 150				
81-PV37W101C01B00	PV37W101C01B00	B	100	0.25	Flow / Soldering Iron	± 150				
81-PV37W201C01B00	PV37W201C01B00	B	200	0.25	Flow / Soldering Iron	± 150				
81-PV37W501C01B00	PV37W501C01B00	B	500	0.25	Flow / Soldering Iron	± 150				
81-PV37W102C01B00	PV37W102C01B00	B	1K	0.25	Flow / Soldering Iron	± 150				
81-PV37W202C01B00	PV37W202C01B00	B	2K	0.25	Flow / Soldering Iron	± 150				
81-PV37W502C01B00	PV37W502C01B00	B	5K	0.25	Flow / Soldering Iron	± 150				
81-PV37W103C01B00	PV37W103C01B00	B	10K	0.25	Flow / Soldering Iron	± 150				
81-PV37W203C01B00	PV37W203C01B00	B	20K	0.25	Flow / Soldering Iron	± 150				
81-PV37W104C01B00	PV37W104C01B00	B	100K	0.25	Flow / Soldering Iron	± 150				
81-PV37W204C01B00	PV37W204C01B00	B	200K	0.25	Flow / Soldering Iron	± 150				
81-PV37W254C01B00	PV37W254C01B00	B	250K	0.25	Flow / Soldering Iron	± 150				
81-PV37W504C01B00	PV37W504C01B00	B	500K	0.25	Flow / Soldering Iron	± 150				
81-PV37W105C01B00	PV37W105C01B00	B	1000K	0.25	Flow / Soldering Iron	± 150				
81-PV37W205C01B00	PV37W205C01B00	B	2000K	0.25	Flow / Soldering Iron	± 150				
81-PV37X200C01B00	PV37X200C01B00	C	20	0.25	Flow / Soldering Iron	± 150				
81-PV37X500C01B00	PV37X500C01B00	C	50	0.25	Flow / Soldering Iron	± 150				
81-PV37X101C01B00	PV37X101C01B00	C	100	0.25	Flow / Soldering Iron	± 150				
81-PV37X201C01B00	PV37X201C01B00	C	200	0.25	Flow / Soldering Iron	± 150				
81-PV37X501C01B00	PV37X501C01B00	C	500	0.25	Flow / Soldering Iron	± 150				
81-PV37X102C01B00	PV37X102C01B00	C	1K	0.25	Flow / Soldering Iron	± 150				
81-PV37X202C01B00	PV37X202C01B00	C	2K	0.25	Flow / Soldering Iron	± 150				
81-PV37X502C01B00	PV37X502C01B00	C	5K	0.25	Flow / Soldering Iron	± 150				
81-PV37X103C01B00	PV37X103C01B00	C	10K	0.25	Flow / Soldering Iron	± 150				
81-PV37X203C01B00	PV37X203C01B00	C	20K	0.25	Flow / Soldering Iron	± 150				
81-PV37X253C01B00	PV37X253C01B00	C	25K	0.25	Flow / Soldering Iron	± 150				
81-PV37X503C01B00	PV37X503C01B00	C	50K	0.25	Flow / Soldering Iron	± 150				
81-PV37X104C01B00	PV37X104C01B00	C	100K	0.25	Flow / Soldering Iron	± 150				
81-PV37X204C01B00	PV37X204C01B00	C	200K	0.25	Flow / Soldering Iron	± 150				
81-PV37X254C01B00	PV37X254C01B00	C	250K	0.25	Flow / Soldering Iron	± 150				
81-PV37X504C01B00	PV37X504C01B00	C	500K	0.25	Flow / Soldering Iron	± 150				
81-PV37X105C01B00	PV37X105C01B00	C	1000K	0.25	Flow / Soldering Iron	± 150				
81-PV37X205C01B00	PV37X205C01B00	C	2000K	0.25	Flow / Soldering Iron	± 150				
81-PV37Y200C01B00	PV37Y200C01B00	D	20	0.25	Flow / Soldering Iron	± 150				
81-PV37Y500C01B00	PV37Y500C01B00	D	50	0.25	Flow / Soldering Iron	± 150				
81-PV37Y101C01B00	PV37Y101C01B00	D	100	0.25	Flow / Soldering Iron	± 150				
81-PV37Y201C01B00	PV37Y201C01B00	D	200	0.25	Flow / Soldering Iron	± 150				
81-PV37Y501C01B00	PV37Y501C01B00	D	500	0.25	Flow / Soldering Iron	± 150				
81-PV37Y102C01B00	PV37Y102C01B00	D	1K	0.25	Flow / Soldering Iron	± 150				
81-PV37Y253C01B00	PV37Y253C01B00	D	25K	0.25	Flow / Soldering Iron	± 150				
81-PV37Y503C01B00	PV37Y503C01B00	D	50K	0.25	Flow / Soldering Iron	± 150				
81-PV37Y104C01B00	PV37Y104C01B00	D	100K	0.25	Flow / Soldering Iron	± 150				
81-PV37Y204C01B00	PV37Y204C01B00	D	200K	0.25	Flow / Soldering Iron	± 150				
81-PV37Y254C01B00	PV37Y254C01B00	D	250K	0.25	Flow / Soldering Iron	± 150				
81-PV37Y504C01B00	PV37Y504C01B00	D	500K	0.25	Flow / Soldering Iron	± 150				
81-PV37Y205C01B00	PV37Y205C01B00	D	2000K	0.25	Flow / Soldering Iron	± 150				



Single-Turn Trimmers Murata

12MM ANGLE SENSOR DUST PROOF POTENTIOMETERS

Features:

- Dust-proof construction protects the interior from dust, which maintains stable characteristics
- Compliant to high peak temperature lead free soldering
- Excellent resistance materials and high reliability wiper achieves 1M cycles
- "D" formation thru-hole rotor enables selection of any kind of gear shape
- Ultra-thin size (2.1mm height)
- Au plated terminals without lead

For quantities greater than listed, call for quote.

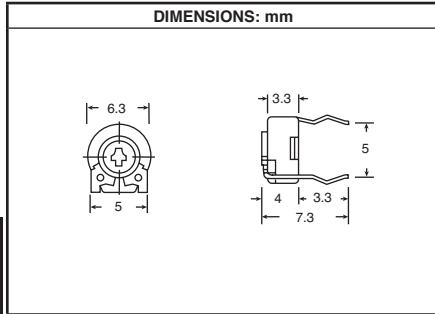
MOUSER STOCK NO.	Murata Part No.	Fig.	Value Ω	Linearity (%)	Angle of Rotation	Mount	TCR (ppm / °C)	Price Each			
								1	50	100	500
81-SV01A103AEA01B00	SV01A103AEA01B00	E	10K	± 2	333 1/3°	SMD	± 500				
81-SV01L103AEA11T00	SV01L103AEA11T00	F	10K	± 2	333 1/3°	Through - Hole	± 500				

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Also available in vertical mount, horizontal adjust.

PIHER 6MM CARBON TRIMMERS



Features:

- Carbon resistive element
- Dust proof enclosure
- Polyester substrate

Features Upon Request:

- Wiper positioned at 50% or fully clockwise
- Supplied in magazines for automatic insertion
- Long life model PT-6...E (10,000 cycles)
- Without crimping model PT-6...SC
- Housing available in self extinguishable plastic (VL94V0)

Specifications:

- Power rating: 0.1W
- Linear taper
- Temperature range: -25°C to +70°C
- Mechanical rotation: 235°±10°
- Electrical rotation: 200°±20°
- Tolerance: ±20%

For quantities greater than listed, call for quote.

Price Each			
1	100	500	1000

MOUSER STOCK NO.	Piher Part No.
Horizontal Mount/Vertical Adjust	
531-PT6KV-500	PT6KV-501A2020
531-PT6KV-1K	PT6KV-102A2020
531-PT6KV-2K	PT6KV-202A2020
531-PT6KV-2.5K	PT6KV-252A2020
531-PT6KV-5K	PT6KV-502A2020
531-PT6KV-10K	PT6KV-103A2020
531-PT6KV-20K	PT6KV-203A2020
531-PT6KV-25K	PT6KV-253A2020
531-PT6KV-47K	PT6KV-473A2020
531-PT6KV-50K	PT6KV-503A2020
531-PT6KV-100K	PT6KV-104A2020
531-PT6KV-500K	PT6KV-504A2020
531-PT6KV-1M	PT6KV-105A2020

PIHER 6MM CARBON POTENTIOMETERS

Specifications:

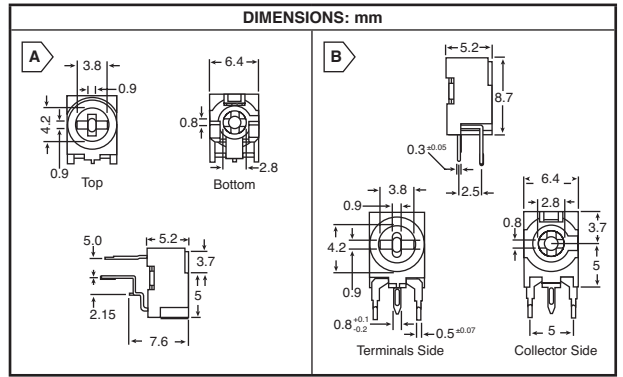
- Mechanical rotation angle: 280° ± 10°
- Torque: 0.2 to 3 Ncm. (0.28 to 4.2 in-oz)
- Tolerance: 100Ω ≤ Rn ≤ 1MΩ ±30
- Nominal power: 50°C (122°F): 0.1W
- Operating temperature: -25°C +70°C (-13°F +158°F)
- Electrical rotation angle: 245° ± 25°
- Stop Torque: >7.5 Ncm. (10.5 in-oz)
- Max. Voltage: 100VDC
- Taper: linear
- Equivalent noise resistance: ≤ 5%
- End resistance: ≤ 2% Rn (10Ω min.)

Features:

- Carbon resistive element
- Polyester substrate
- Over-moulding manufacturing technique
- Available as SMD
- Embossed tape (for SMD), tape on reel, ammpack and magazine packaging for automatic insertion and bulk for manual assembly
- Wiper positioned at 50%
- Both sides cross slot easy adjustment
- Accidental rotor movement protected
- Traceability insured through date code marking
- Assembly method: Stand up, lay down

For quantities greater than listed, call for quote.

Price Each			
1	100	500	1000



PIHER 10MM CARBON TRIMMERS

Specifications:

- Power rating: 0.15W
- Temperature range: -25°C to +70°C
- Linear taper
- Electrical rotation: 220°±20°
- Mechanical rotation: 235°±10°
- 10,000 rotation life cycle
- Tolerance: 100Ω-1mΩ ±20%; 2mΩ-5mΩ ±30%

Features:

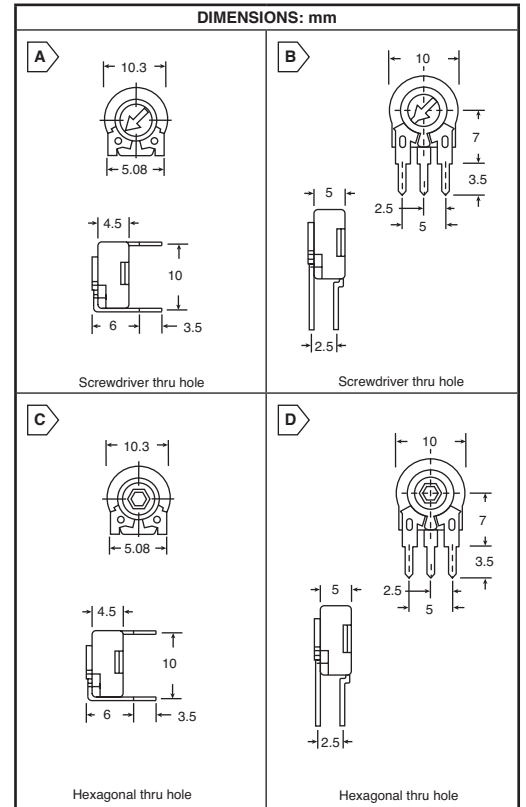
- Carbon resistive element
- Dust proof enclosure
- Polyester substrate

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/Vertical Adjust		
531-PT10V-100	PT10LV10-101A2020	A
531-PT10V-200	PT10LV10-201A2020	A
531-PT10V-250	PT10LV10-251A2020	A
531-PT10V-500	PT10LV10-501A2020	A
531-PT10V-1K	PT10LV10-102A2020	A
531-PT10V-2K	PT10LV10-202A2020	A
531-PT10V-2.5K	PT10LV10-252A2020	A
531-PT10V-5K	PT10LV10-502A2020	A
531-PT10V-10K	PT10LV10-103A2020	A
531-PT10V-20K	PT10LV10-203A2020	A
531-PT10V-22K	PT10LV10-223A2020	A
531-PT10V-25K	PT10LV10-253A2020	A
531-PT10V-50K	PT10LV10-503A2020	A
531-PT10V-100K	PT10LV10-104A2020	A
531-PT10V-200K	PT10LV10-204A2020	A
531-PT10V-250K	PT10LV10-254A2020	A
531-PT10V-500K	PT10LV10-504A2020	A
531-PT10V-1M	PT10LV10-105A2020	A
531-PT10V-2M	PT10LV10-205A3030	A
531-PT10V-2.5M	PT10LV10-255A3030	A
531-PT10V-5M	PT10LV10-505A3030	A
Vertical Mount/Horizontal Adjust		
531-PT10H-100	PT10LH01-101A2020	B
531-PT10H-200	PT10LH01-201A2020	B
531-PT10H-250	PT10LH01-251A2020	B
531-PT10H-500	PT10LH01-501A2020	B
531-PT10H-1K	PT10LH01-102A2020	B
531-PT10H-2K	PT10LH01-202A2020	B
531-PT10H-2.5K	PT10LH01-252A2020	B
531-PT10H-5K	PT10LH01-502A2020	B
531-PT10H-10K	PT10LH01-103A2020	B
531-PT10H-20K	PT10LH01-203A2020	B
531-PT10H-22K	PT10LH01-223A2020	B
531-PT10H-25K	PT10LH01-253A2020	B
531-PT10H-50K	PT10LH01-503A2020	B
531-PT10H-100K	PT10LH01-104A2020	B
531-PT10H-200K	PT10LH01-204A2020	B
531-PT10H-220K	PT10LH01-224A2020	B
531-PT10H-250K	PT10LH01-254A2020	B
531-PT10H-500K	PT10LH01-504A2020	B
531-PT10H-1M	PT10LH01-105A2020	B
531-PT10H-2M	PT10LH01-205A3030	B
531-PT10H-2.5M	PT10LH01-255A3030	B
531-PT10H-5M	PT10LH01-505A3030	B

MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/Vertical Adjust		
531-PT10MV-100	PT10MV10-101A2020	C
531-PT10MV-250	PT10MV10-251A2020	C
531-PT10MV-500	PT10MV10-501A2020	C
531-PT10MV-1K	PT10MV10-102A2020	C
531-PT10MV-2K	PT10MV10-202A2020	C
531-PT10MV-2.5K	PT10MV10-252A2020	C
531-PT10MV-5K	PT10MV10-502A2020	C
531-PT10MV-10K	PT10MV10-103A2020	C
531-PT10MV-20K	PT10MV10-203A2020	C
531-PT10MV-22K	PT10MV10-223A2020	C
531-PT10MV-25K	PT10MV10-253A2020	C
531-PT10MV-50K	PT10MV10-503A2020	C
531-PT10MV100K	PT10MV10-104A2020	C
531-PT10MV-200K	PT10MV10-204A2020	C
531-PT10MV-220K	PT10MV10-224A2020	C
531-PT10MV-500K	PT10MV10-504A2020	C
531-PT10MV-1M	PT10MV10-105A2020	C
531-PT10MV-2M	PT10MV10-205A3030	C
531-PT10MV-2.5M	PT10MV10-255A3030	C
531-PT10MV-5M	PT10MV10-505A3030	C
Vertical Mount/Horizontal Adjust		
531-PT10MH-100	PT10MH01-101A2020	D
531-PT10MH-200	PT10MH01-201A2020	D
531-PT10MH-250	PT10MH01-251A2020	D
531-PT10MH-500	PT10MH01-501A2020	D
531-PT10MH-1K	PT10MH01-102A2020	D
531-PT10MH-2K	PT10MH01-202A2020	D
531-PT10MH-2.5K	PT10MH01-252A2020	D
531-PT10MH-5K	PT10MH01-502A2020	D
531-PT10MH-10K	PT10MH01-103A2020	D
531-PT10MH-20K	PT10MH01-203A2020	D
531-PT10MH-22K	PT10MH01-223A2020	D
531-PT10MH-25K	PT10MH01-253A2020	D
531-PT10MH-50K	PT10MH01-503A2020	D
531-PT10MH-100K	PT10MH01-104A2020	D
531-PT10MH-200K	PT10MH01-204A2020	D
531-PT10MH-220K	PT10MH01-224A2020	D
531-PT10MH-250K	PT10MH01-254A2020	D
531-PT10MH-500K	PT10MH01-504A2020	D
531-PT10MH-1M	PT10MH01-105A2020	D
531-PT10MH-2M	PT10MH01-205A3030	D
531-PT10MH-2.5M	PT10MH01-255A3030	D
531-PT10MH-5M	PT10MH01-505A3030	D

Price Each				
1	100	500	1000	2000



PIHER Trimmer Potentiometers

PIHER

PIHER 10MM CERMET TRIMMERS

Specifications:

- Power rating: 0.33W
- Temperature range: -40°C to +90°C
- Mechanical rotation: 235°±5°
- Electrical rotation: 220°±20°
- Linear taper
- Tolerance: ±20%

Features:

- Cermet resistive element
- Dust proof enclosure
- Plastic material according to UL94V-0
- Alumina substrate

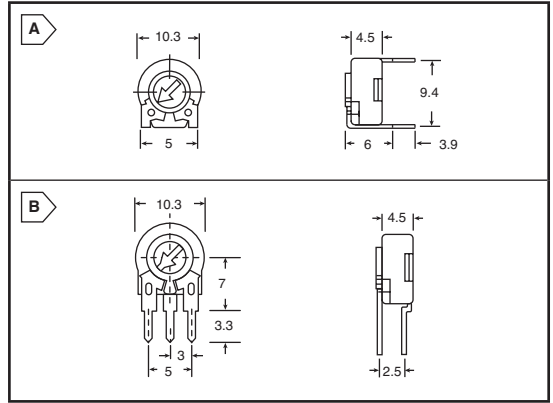
Available upon Request:

- Wiper positioned at 50% or fully clockwise
- Supplied in magazines for automatic insertion
- Long life model for low cost control potentiometers applications
- Self extinguishable plastic UL 94V-0
- Cut track option
- Special tapers
- Mechanical detents
- Low and extra low torque versions
- Special switch option

For quantities greater than listed, call for quote.

Price Each				
1	100	500	1000	2000

DIMENSIONS: mm



MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/Vertical Adjust		
531-PTC10V-100	PTC10LV10-101A2020	A
531-PTC10V-200	PTC10LV10-201A2020	A
531-PTC10V-500	PTC10LV10-501A2020	A
531-PTC10V-1K	PTC10LV10-102A2020	A
531-PTC10V-2K	PTC10LV10-202A2020	A
531-PTC10V-2.5K	PTC10LV10-252A2020	A
531-PTC10V-5K	PTC10LV10-502A2020	A
531-PTC10V-10K	PTC10LV10-103A2020	A
531-PTC10V-20K	PTC10LV10-203A2020	A
531-PTC10V-50K	PTC10LV10-503A2020	A
531-PTC10V-100K	PTC10LV10-104A2020	A
531-PTC10V-200K	PTC10LV10-204A2020	A
531-PTC10V-250K	PTC10LV10-254A2020	A
531-PTC10V-500K	PTC10LV10-504A2020	A

MOUSER STOCK NO.	Piher Part No.	Fig.
Vertical Mount/Horizontal Adjust		
531-PTC10H-100	PTC10LH01-101A2020	B
531-PTC10H-200	PTC10LH01-201A2020	B
531-PTC10H-500	PTC10LH01-501A2020	B
531-PTC10H-1K	PTC10LH01-102A2020	B
531-PTC10H-2K	PTC10LH01-202A2020	B
531-PTC10H-2.5K	PTC10LH01-252A2020	B
531-PTC10H-5K	PTC10LH01-502A2020	B
531-PTC10H-10K	PTC10LH01-103A2020	B
531-PTC10H-20K	PTC10LH01-203A2020	B
531-PTC10H-25K	PTC10LH01-253A2020	B
531-PTC10H-50K	PTC10LH01-503A2020	B
531-PTC10H-100K	PTC10LH01-104A2020	B
531-PTC10H-200K	PTC10LH01-204A2020	B
531-PTC10H-250K	PTC10LH01-254A2020	B
531-PTC10H-500K	PTC10LH01-504A2020	B

PIHER 15MM CARBON TRIMMERS

Specifications:

- Temperature range: -25°C to +70°C (-13°F + 158°F)
- Residual resistance: ≤3% Rn (3Ω min.)
- Tolerance: 100Ω-1mΩ ±20%
- Voltage max.: 250VDC (lin) 125VDC (no lin)
- Nominal power: 50°C (122°F), 0.25W (lin) 0.12W (no lin)

- Power rating: 0.25W
- Taper: Linear
- Electrical rotation: 250° ±20°
- Mechanical rotation: 265° to ±5°

Available upon Request:

- Supplied in magazines for automatic insertion
- Wiper positioned at 50% or fully clockwise
- Long life model for low cost control potentiometers applications
- Self extinguishable plastic UL 94V-0
- Cut track option
- Special tapers
- Mechanical detents

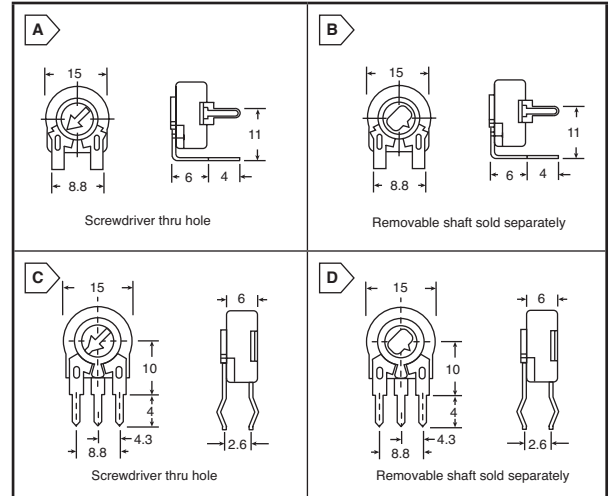
Features:

- Carbon resistive element
- Dust proof enclosure
- Polyester substrate

For quantities greater than listed, call for quote.

Price Each				
1	100	500	1000	2000

DIMENSIONS: mm



MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/Vertical Adjust		
531-PT15D-100	PT15LV18-101A2020	A
531-PT15D-200	PT15LV18-201A2020	A
531-PT15D-250	PT15LV18-251A2020	A
531-PT15D-500	PT15LV18-501A2020	A
531-PT15D-1K	PT15LV18-102A2020	A
531-PT15D-2K	PT15LV18-202A2020	A
531-PT15D-2.5K	PT15LV18-252A2020	A
531-PT15D-5K	PT15LV18-502A2020	A
531-PT15D-10K	PT15LV18-103A2020	A
531-PT15D-20K	PT15LV18-203A2020	A
531-PT15D-25K	PT15LV18-253A2020	A
531-PT15D-50K	PT15LV18-503A2020	A
531-PT15D-100K	PT15LV18-104A2020	A
531-PT15D-200K	PT15LV18-204A2020	A
531-PT15D-250K	PT15LV18-254A2020	A
531-PT15D-500K	PT15LV18-504A2020	A
531-PT15D-1M	PT15LV18-105A2020	A
531-PT15D-2M	PT15LV18-205A3030	A
531-PT15D-2.5M	PT15LV18-255A3030	A
531-PT15D-5M	PT15LV18-505A3030	A
531-PT15NV-10K	PT15NV18-103A2020	B
531-PT15NV-25K	PT15NV18-253A2020	B
531-PT15NV-50K	PT15NV18-503A2020	B
531-PT15NV-100K	PT15NV18-104A2020	B

MOUSER STOCK NO.	Piher Part No.	Fig.
Vertical Mount/Horizontal Adjust		
531-PT15B-100	PT15LH06-101A2020	C
531-PT15B-200	PT15LH06-201A2020	C
531-PT15B-250	PT15LH06-251A2020	C
531-PT15B-500	PT15LH06-501A2020	C
531-PT15B-1K	PT15LH06-102A2020	C
531-PT15B-2K	PT15LH06-202A2020	C
531-PT15B-2.5K	PT15LH06-252A2020	C
531-PT15B-5K	PT15LH06-502A2020	C
531-PT15B-10K	PT15LH06-103A2020	C
531-PT15B-20K	PT15LH06-203A2020	C
531-PT15B-25K	PT15LH06-253A2020	C
531-PT15B-50K	PT15LH06-503A2020	C
531-PT15B-100K	PT15LH06-104A2020	C
531-PT15B-200K	PT15LH06-204A2020	C
531-PT15B-250K	PT15LH06-254A2020	C
531-PT15B-500K	PT15LH06-504A2020	C
531-PT15B-1M	PT15LH06-105A2020	C
531-PT15B-2M	PT15LH06-205A3030	C
531-PT15B-2.5M	PT15LH06-255A3030	C
531-PT15B-5M	PT15LH06-505A3030	C
531-PT15NH-10K	PT15NH06-103A2020	D
531-PT15NH-1K	PT15NH06-102A2020	D
531-PT15NH-2M	PT15NH06-205A3030	D
531-PT15NH-50K	PT15NH06-503A2020	D

PIHER 15MM CERMET TRIMMERS

Specifications:

- Mechanical rotation angle: 265° ±5°
- Electrical rotation angle: 250° ±20°
- Torque: 0.5 to 2.5Ncm. (0.7 to 3.4 in-oz)
- Stop torque: > 10Ncm. (>14 in-oz)
- Tolerance: 100Ω < Rn < 1M Ω ±20%
- Max. voltage: 250VDC (lin) 125VDC (no lin)
- Nominal Power: 70°C (158°F) 0.50W (lin) 0.25W (no lin)
- Taper: Linear
- Residual resistance: ≤5.10 Rn (2Ω min.)
- Equivalent noise resistance: ≤ 3% Rn (3Ω min.)
- Operating temperature: -40°C + 90°C (-40°F + 194°F)

Features:

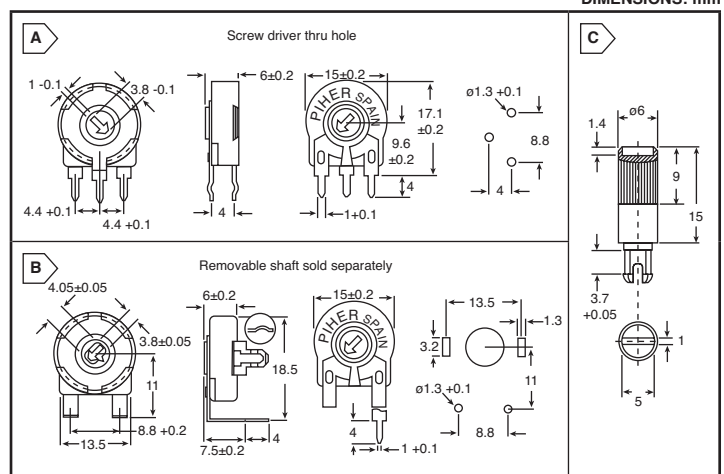
- Cermet resistive element
- Dust proof enclosure
- Plastic material according to UL94V-0
- Alumina substrate

Available upon Request:

- Wiper positioned at 50% or fully clockwise
- Long life model for low cost control pot. applications
- Supplied in magazines for automatic insertion
- Low torque option
- Available as SPDT switch
- Special tapers
- Mechanical detents

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Piher Part No.	Fig.	Price Each				
			1	25	50	100	200
531-PTC15LH06-250	PTC15LH06-251A2020	A					
531-PTC15NV18-1K	PTC15NV18-102A2020	B					
Shaft							
531-5219CR	XEJPL5219CR	C					



VISHAY/SFERNICE Single-Turn, SMD, Cermet Trimmers



RoHS Compliant This product is RoHS compliant.

VISHAY/SFERNICE TS3Y SERIES 3MM SINGLE TURN, SEALED CERMET TRIMMERS

Specifications:

- Electrical travel: 220°
- Resistance range: 20Ω to 2MΩ
- Tolerance standard: ±20%
- Power rating: 0.125W @ 70°C
- Temp. coefficient (max.): ± 150 ppm/°C

Features:

- Small size for optimum packing density
- Suitable for both manual and automatic operation

Table of Values (Ω)				
20	1K	10K	100K	2M
50	2K	20K	500K	
100	5K	50K	1M	



LEAD-FREE

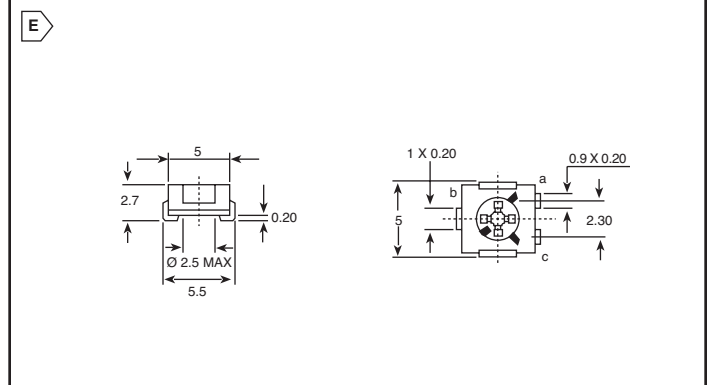
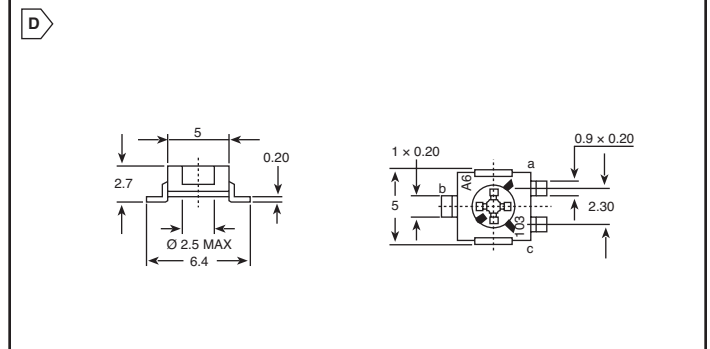
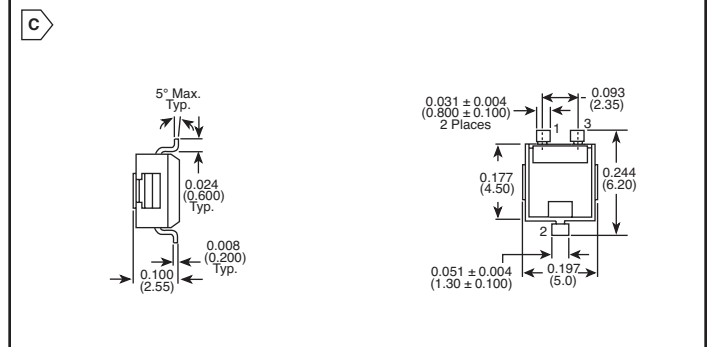
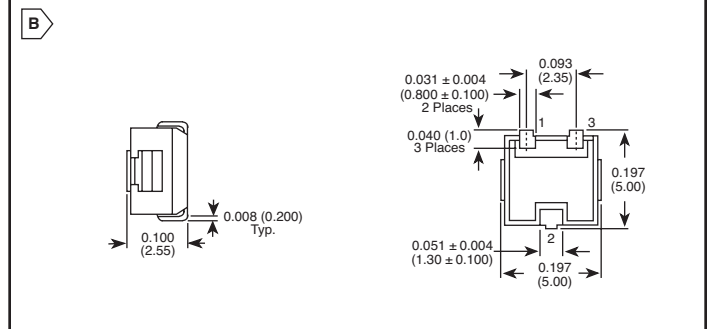
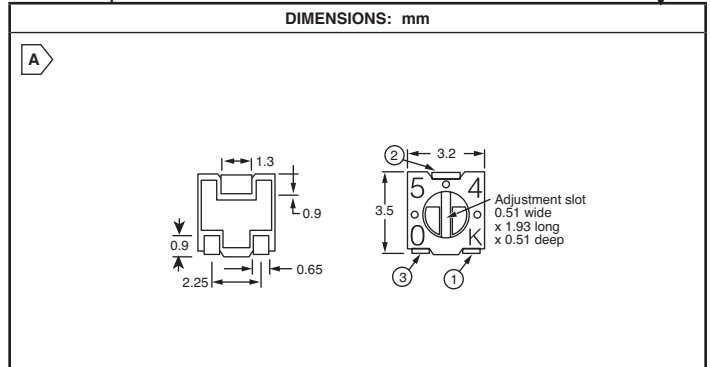


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.
72-TS3YJ-(Value Code)	A

Price Each			
1	50	100	500



VISHAY/SFERNICE TS4Y SERIES 4MM SQUARE, SINGLE TURN, SMD, SEALED CERMET TRIMMERS

Specifications:

- Mechanical angle: 240° (1 turn)
- Resistive range: 100Ω to 500KΩ
- Tolerance: ±20% standard
- Temperature coefficient: ±100ppm/°C
- Power rating: (300V max.) 0.25W @ +70°C, 0W @ +125°C
- Adjustment angle: 210° nominal

Features:

- Fully sealed to withstand board washing
- Compatible with surface mount manufacturing processes
- Compatible with popular vacuum pick-and-place equipment
- J-hook and gull-wing configurations

Table of Values (Ω)				
100	1K	5K	20K	100K
200	2K	10K	50K	500K



LEAD-FREE



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.
72-TS4YJ-(Value Code)	B
72-TS4YL-(Value Code)	C

Price Each			
1	50	100	500

VISHAY/SFERNICE TS53Y SERIES MINIATURE, 5MM SINGLE TURN, SMD, SEALED CERMET TRIMMERS

Specifications:

- Electrical travel: 220° ± 15°
- Tolerance standard: ± 20%
- Power rating: linear 0.25W @ 70°C
- Mechanical travel: 270° ± 10°
- Temperature range: -55°C to +125°C
- Resistive range: 100Ω to 1MΩ

Features:

- For PCB version see TS53Y series
- Wide ohmic range (10Ω to 1 MΩ)
- Small size for optimum packing density
- Suitable for both manual or automatic operation

Table of Values (Ω)				
100	1K	10K	100K	1M
200	2K	20K	200K	
500	5K	50K	500K	



LEAD-FREE



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.
72-TS53YJ-(Value Code)	D
72-TS53YL-(Value Code)	E

Price Each			
1	50	100	500

VISHAY/SFERNICE Single-Turn Trimmers



VISHAY/SFERNICE 1/4" SINGLE-TURN, SQUARE, CERMET TRIMMERS

Specifications:

- Tolerance: $\pm 10\%$
- Operating temperature range: -55°C to $+125^{\circ}\text{C}$
- Rated voltage: 250VDC
- Rotation: $250^{\circ} \pm 15^{\circ}$
- Power rating: .5W @ 100°C
- Temperature coefficient: $\pm 70\text{ppm}/^{\circ}\text{C}$
- Rotation life: 200 cycles

Features:

- Withstands harsh environments and immersion cleaning processes



RoHS Compliant

- Will be renamed T73

MOUSER STOCK NO.	Fig.
72-T70YP-Value	A
72-T70YB-Value	B
72-T70YE-Value	B
72-T70XH-Value	C

	100	1K	10K	50K	500K
100	100	1K	10K	50K	500K
200	200	2K	20K	100K	1M
500	500	5K	25K	200K	

For quantities greater than listed, call for quote.

Price Each			
1	25	50	100

VISHAY/SPECTROL/SFERNICE 3/8" (10MM) SINGLE-TURN, SQUARE, CERMET TRIMMERS

Specifications:

- Tolerance: $\pm 10\%$
- Oper. temp. range: -55°C to $+125^{\circ}\text{C}$
- Replacing Sfernice T20 Series

Features:

- Flame retardant housing to UL rated V0
- "O" Ring seal for solvent and Aqueous washing
- Rotation life: 200 cycles
- High temp soldered terminations



RoHS Compliant

Value (Ω)	Value Code	Value (Ω)	Value Code
100	101	25K	253
200	201	50K	503
500	501	100K	104
1K	102	200K	204
2K	202	250K	254
5K	502	500K	504
10K	103	1M	105
20K	203	2M	205

For quantities greater than listed, call for quote.

Price Each			
1	25	50	100

VISHAY/SPECTROL /SFERNICE 3/8" SINGLE-TURN CERMET TRIMMERS WITH KNOBS

Specifications:

- Tolerance: $\pm 10\%$
- Coefficient of resistance: $\pm 100\text{ppm}/^{\circ}\text{C}$
- Rating: 0.5W @ 70°C , derated linearly to 0W @ 125°C
- Rated voltage: 250VDC
- Rotation: $250^{\circ} \pm 15^{\circ}$
- Power rating: .5W @ $+85^{\circ}\text{C}$

Features:

- Sealed for cleaning in common solvents
- Contact resistance variation: 2% or 2 Ω , whichever is greater
- Electrical travel: 270 $^{\circ}$

Knobs

MOUSER STOCK NO.	Fig.	Value	Price Each					
			1	25	50	100	200	500
594-63P102T7	H	1K						
594-63P202T7	H	2K						
594-63P502T7	H	5K						
594-63P103T7	H	10K						
594-63P203T7	H	20K						
594-63P503T7	H	50K						
594-63P104T7	H	100K						

Call for Quote

Thumbwheel

MOUSER STOCK NO.	Fig.	Value	Price Each					
			1	25	50	100	200	500
594-63P102T4	I	1K						
594-63P502T4	I	5K						
594-63P103T4	I	10K						
594-63P203T4	I	20K						
594-63P503T4	I	50K						
594-63P104T4	I	100K						

Call for Quote

VISHAY/SFERNICE 1/4" SINGLE-TURN, ROUND, CERMET TRIMMERS

Specifications:

- Tolerance: $\pm 10\%$
- Oper. temp. range: -55°C to $+150^{\circ}\text{C}$
- Rotational life: 200 cycles
- Power rating: .5W @ $+85^{\circ}\text{C}$
- Low temperature coefficient

Features:

- Fully sealed to withstand board washing



RoHS Compliant

MOUSER STOCK NO.	Fig.
72-T7RYB-Value	J
72-T7RYA-Value	K

	50	500	5K	50K	500K
100	100	1K	10K	100K	1M
200	200	2K	20K	200K	

For quantities greater than listed, call for quote.

Price Each			
1	25	50	100

DIMENSIONS: mm

A Vertical Adjust

B Top Adjust

C Side Adjust

D Top Adjust

E Side Adjust

F Top Adjust

G Side Adjust

H Knob

I Thumbwheel

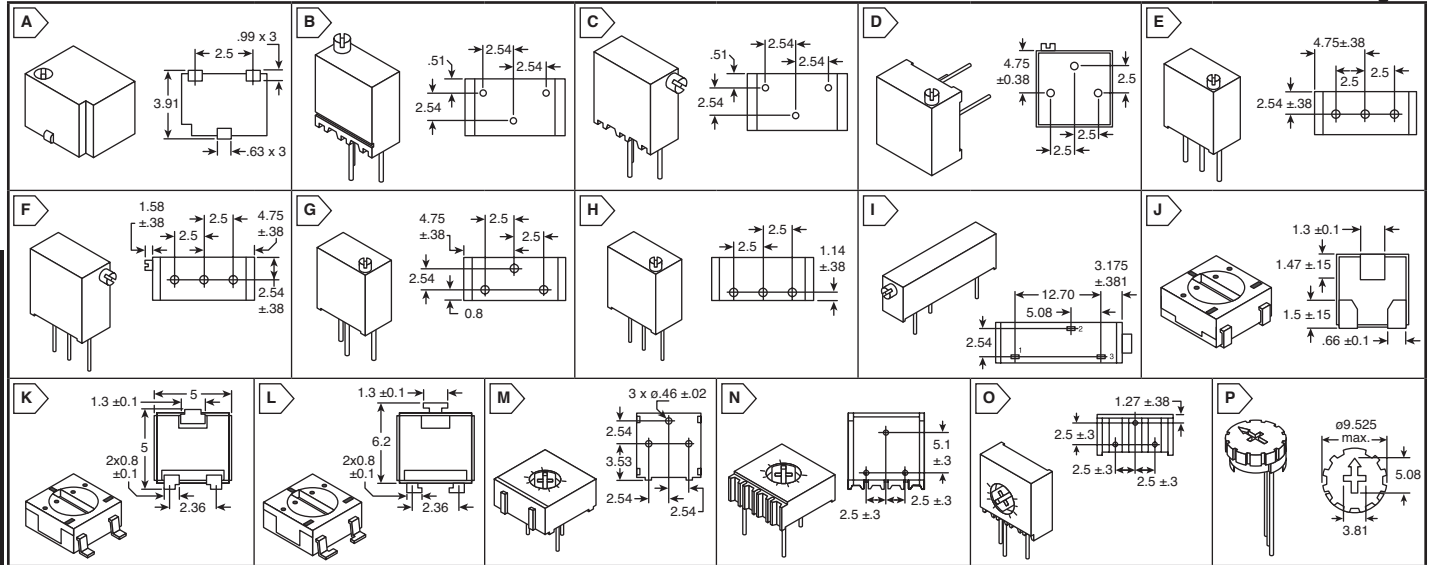
J Top Adjust

K Top Adjust

Single-Turn Trimmers Vishay

DIMENSIONS: mm

BI Technologies



BI Technologies Multi-Turn Trimmers

BI Technologies MULTI-TURN SURFACE MOUNT CERMET TRIMMER

4mm Model 44
 • Actual electrical travel, turns, nominal: 9
 • Operating temperature: -65°C to +150°C
 • Power rating: 0.25W
 • Tolerance: 10%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Values (Ω)	Price Each			
			1	25	50	100
858-44WR-VALUE-LF	A	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M				

BI Technologies MULTI-TURN THRU-HOLE CERMET TRIMMER

• Actual electrical travel, turns, nominal: 12
 • Mechanical stops: clutch action, both ends
 • Tolerance: 10%

1/4" Sq. Model 64
 • Power rating: .25W
 • Operating temperature: -65° to +150°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-64WR-VALUE-LF	B	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M				
858-64XR-VALUE-LF	C					

3/8" Sq. Model 67
 • Power rating: 0.50W
 • Operating temperature: -55° to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-67PR-VALUE-LF	D	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M				
858-67WR-VALUE-LF	E					
858-67XR-VALUE-LF	F					
858-67YR-VALUE-LF	G					

3/8" Sq. Model 68
 • Power rating: 0.50W
 • Operating temperature: -55° to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-68WR-VALUE-LF	H	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M				

3/4" Rectangular Model 89
 • Power Rating: 0.75W
 • Operating temperature: -55° to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-89PR-VALUE-LF	I	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M				

BI Technologies PRECISION POTENTIOMETERS

7/8" 10-Turn Wirewound
 • Operating Temperature: 125°C max.
 • Power Rating: 2W
 • Tolerance: 5%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Values (Ω)	Price Each		
			1	5	10
858-7286RVALUELF	A	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K			

1-13/16" 10-Turn Wirewound
 • Operating Temperature: 85°C max.
 • Power Rating: 5W
 • Tolerance: 5%

MOUSER STOCK NO.	Fig.	Values (Ω)	1	5	10
858-AR-VALUE	B	10, 25, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 300K, 500K			

Turns Counting Dials
 For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Finish	Turns	Price Each		
				1	5	10
858-2606	C	Satin Chrome	20			
858-RB	D	Satin Chrome	15			

BI Technologies SINGLE-TURN SURFACE MOUNT CERMET TRIMMER

3mm Model 22
 • Actual electrical travel, nominal: 220°
 • Mechanical stops: solid
 • Power rating: .125W
 • Tolerance: 20%
 • Operating temperature: -55°C to +125°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Values (Ω)	Price Each			
			1	25	50	100
858-22AR-VALUE-LFTR	J	10, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 500K, 1M, 2M				

4mm Sq. Model 23
 • Actual electrical travel, nominal: 210°
 • Mechanical stops: solid
 • Power rating: 0.25W
 • Tolerance: 20%
 • Operating temperature: -55°C to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-23AR-VALUE-LFTR	K	10, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 500K, 1M, 2M				
858-23BR-VALUE-LFTR	L					

BI Technologies SINGLE-TURN THRU-HOLE CERMET TRIMMER

1/4" Sq. Model 25
 • Actual electrical travel, nominal: 210°
 • Mechanical stops: solid
 • Power rating: 0.50W
 • Tolerance: 10%
 • Operating temperature: -55°C to +125°C

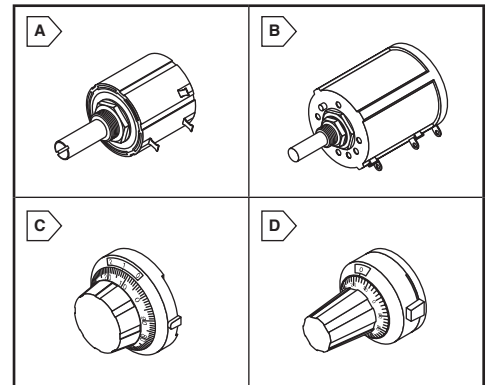
MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-25PR-VALUE-LF	M	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 500K, 1M, 2M				

3/8" Sq. Model 72
 • Actual electrical travel, nominal: 244°
 • Mechanical stops: solid
 • Power rating: 0.50W
 • Tolerance: 10%
 • Operating temperature: -55°C to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-72PMR-VALUE-LF	N	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M				
858-72PR-VALUE-LF	N					
858-72XR-VALUE-LF	O					

3/8" Dia. Model 91
 • Actual electrical travel, nominal: 174°
 • Mechanical stops: solid
 • Power rating: 0.50W
 • Tolerance: 20%
 • Operating temperature: -55°C to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-91AR-VALUE-LF	P	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M				



BOURNS Multi-Turn Cermet Trimmer Potentiometers **BOURNS**

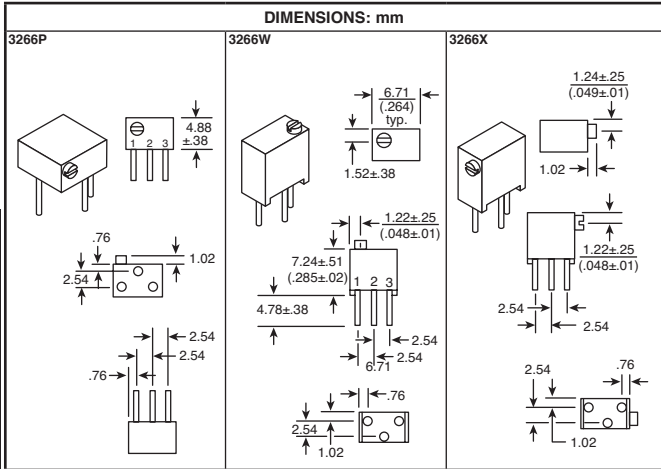


This product is RoHS compliant.

BOURNS 3266 SERIES 1/4" SQUARE/ 12 TURN/ SEALED

BOURNS 3262 SERIES 1/4" SQUARE/ 12 TURN/ SEALED

Bourns Multi-Turn Trimmers



Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 70°C - 0.25W; 150°C - 0W
- Temperature range: -55°C to +150°C
- Temperature coefficient: ±100ppm/°C

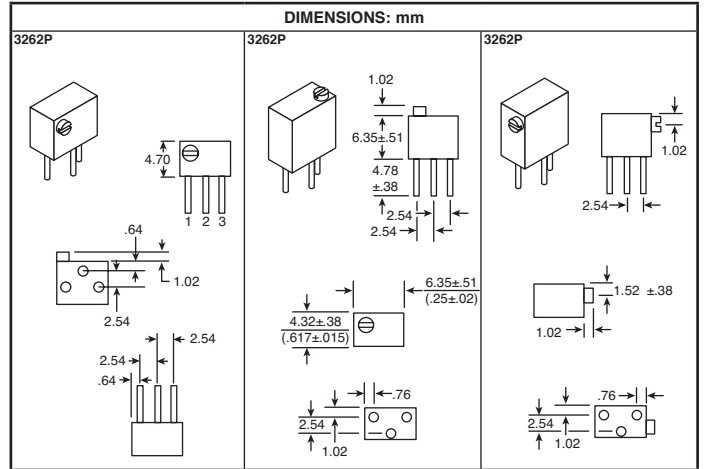


RoHS Compliant

For quantities greater than listed, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3266P, 3266W, 3266X						

Value (Ω)	3266P Series	3266W Series	3266X Series
	MOUSER STOCK NO.		
50	652-3266P-1-500LF	652-3266W-1-500LF	652-3266X-1-500LF
100	652-3266P-1-101LF	652-3266W-1-101LF	652-3266X-1-101LF
200	652-3266P-1-201LF	652-3266W-1-201LF	652-3266X-1-201LF
500	652-3266P-1-501LF	652-3266W-1-501LF	652-3266X-1-501LF
1K	652-3266P-1-102LF	652-3266W-1-102LF	652-3266X-1-102LF
2K	652-3266P-1-202LF	652-3266W-1-202LF	652-3266X-1-202LF
5K	652-3266P-1-502LF	652-3266W-1-502LF	652-3266X-1-502LF
10K	652-3266P-1-103LF	652-3266W-1-103LF	652-3266X-1-103LF
20K	652-3266P-1-203LF	652-3266W-1-203LF	652-3266X-1-203LF
25K	652-3266P-1-253LF	652-3266W-1-253LF	652-3266X-1-253LF
50K	652-3266P-1-503LF	652-3266W-1-503LF	652-3266X-1-503LF
100K	652-3266P-1-104LF	652-3266W-1-104LF	652-3266X-1-104LF
200K	652-3266P-1-204LF	652-3266W-1-204LF	652-3266X-1-204LF
500K	652-3266P-1-504LF	652-3266W-1-504LF	652-3266X-1-504LF
1M	652-3266P-1-105LF	652-3266W-1-105LF	652-3266X-1-105LF



Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.25W; 150°C - 0W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C



RoHS Compliant

For quantities greater than listed, call for quote.

Features:

- Listed on the QPL for style RJ26 per MIL-R-22097 and RJR26 per High-Rel MIL-R-39035
- Patent #4427966 drive mechanism

Series No.	Price Each			
	1	10	50	100
3262P, 3262W, 3262X				

Value (Ω)	3262P Series	3262W Series	3262X Series
	MOUSER STOCK NO.		
100	652-3262P-1-101LF	652-3262W-1-101LF	652-3262X-1-101LF
200	652-3262P-1-201LF	652-3262W-1-201LF	652-3262X-1-201LF
500	652-3262P-1-501LF	652-3262W-1-501LF	652-3262X-1-501LF
1K	652-3262P-1-102LF	652-3262W-1-102LF	652-3262X-1-102LF
2K	652-3262P-1-202LF	652-3262W-1-202LF	652-3262X-1-202LF
5K	652-3262P-1-502LF	652-3262W-1-502LF	652-3262X-1-502LF
10K	652-3262P-1-103LF	652-3262W-1-103LF	652-3262X-1-103LF
20K	652-3262P-1-203LF	652-3262W-1-203LF	652-3262X-1-203LF
25K	652-3262P-1-253LF	652-3262W-1-253LF	652-3262X-1-253LF
50K	652-3262P-1-503LF	652-3262W-1-503LF	652-3262X-1-503LF
100K	652-3262P-1-104LF	652-3262W-1-104LF	652-3262X-1-104LF
200K	652-3262P-1-204LF	652-3262W-1-204LF	652-3262X-1-204LF
500K	652-3262P-1-254LF	652-3262W-1-254LF	652-3262X-1-254LF
500K	652-3262P-1-504LF	652-3262W-1-504LF	652-3262X-1-504LF

BOURNS 3299 SERIES 3/8" SQUARE/ 25 TURN/ SEALED



RoHS Compliant

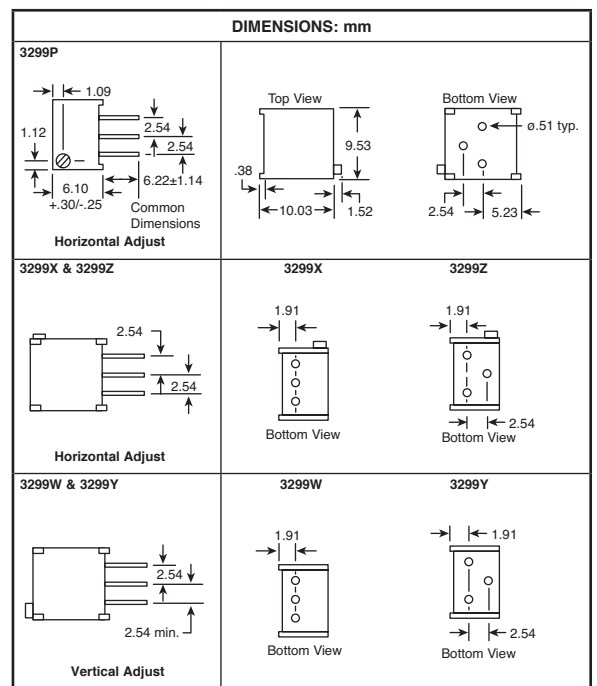
For quantities greater than listed, call for quote.

Specifications:

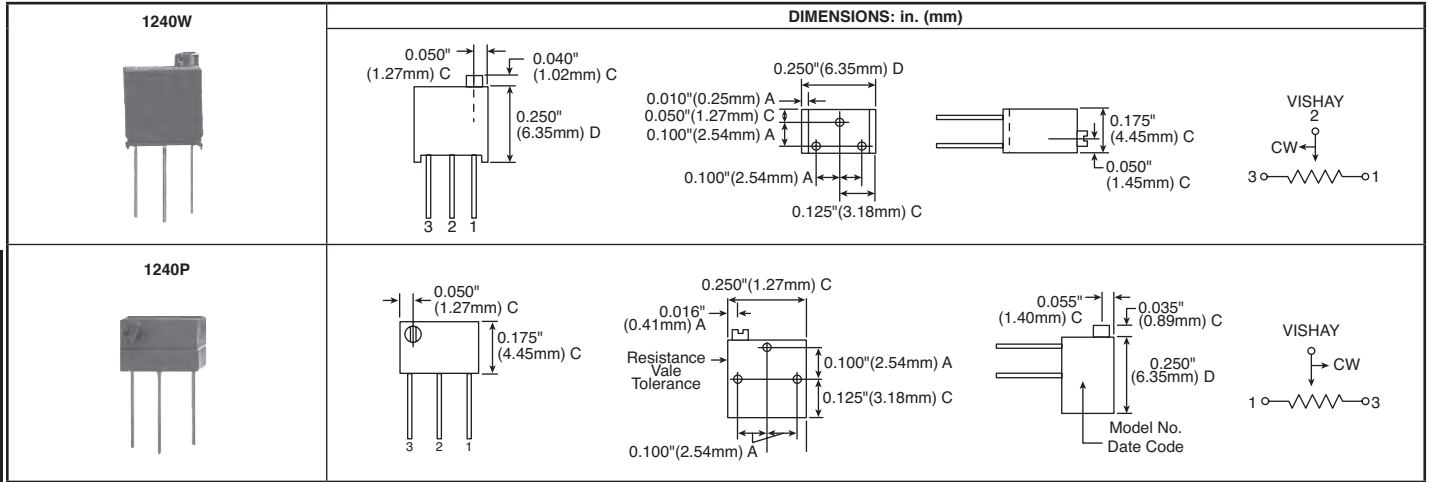
- Resistance tolerance: ±10% std.
- Power rating: 70°C - 0.5W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C

Series No.	Price Each				
	1	10	50	100	500
3299P, 3299Z 3299W, X, Y					

Value (Ω)	3299P Series	3299W Series	3299X Series	3299Y Series	3299Z Series
	MOUSER STOCK NO.				
10	652-3299P-1-100LF	652-3299W-1-100LF	652-3299X-1-100LF	652-3299Y-1-100LF	652-3299Z-1-100LF
20	652-3299P-1-200LF	652-3299W-1-200LF	652-3299X-1-200LF	652-3299Y-1-200LF	652-3299Z-1-200LF
50	652-3299P-1-500LF	652-3299W-1-500LF	652-3299X-1-500LF	652-3299Y-1-500LF	652-3299Z-1-500LF
100	652-3299P-1-101LF	652-3299W-1-101LF	652-3299X-1-101LF	652-3299Y-1-101LF	652-3299Z-1-101LF
200	652-3299P-1-201LF	652-3299W-1-201LF	652-3299X-1-201LF	652-3299Y-1-201LF	652-3299Z-1-201LF
500	652-3299P-1-501LF	652-3299W-1-501LF	652-3299X-1-501LF	652-3299Y-1-501LF	652-3299Z-1-501LF
1K	652-3299P-1-102LF	652-3299W-1-102LF	652-3299X-1-102LF	652-3299Y-1-102LF	652-3299Z-1-102LF
2K	652-3299P-1-202LF	652-3299W-1-202LF	652-3299X-1-202LF	652-3299Y-1-202LF	652-3299Z-1-202LF
5K	652-3299P-1-502LF	652-3299W-1-502LF	652-3299X-1-502LF	652-3299Y-1-502LF	652-3299Z-1-502LF
10K	652-3299P-1-103LF	652-3299W-1-103LF	652-3299X-1-103LF	652-3299Y-1-103LF	652-3299Z-1-103LF
20K	652-3299P-1-203LF	652-3299W-1-203LF	652-3299X-1-203LF	652-3299Y-1-203LF	652-3299Z-1-203LF
25K	652-3299P-1-253LF	652-3299W-1-253LF	652-3299X-1-253LF	652-3299Y-1-253LF	652-3299Z-1-253LF
50K	652-3299P-1-503LF	652-3299W-1-503LF	652-3299X-1-503LF	652-3299Y-1-503LF	652-3299Z-1-503LF
100K	652-3299P-1-104LF	652-3299W-1-104LF	652-3299X-1-104LF	652-3299Y-1-104LF	652-3299Z-1-104LF
200K	652-3299P-1-204LF	652-3299W-1-204LF	652-3299X-1-204LF	652-3299Y-1-204LF	652-3299Z-1-204LF
250K	652-3299P-1-254LF	652-3299W-1-254LF	652-3299X-1-254LF	652-3299Y-1-254LF	652-3299Z-1-254LF
500K	652-3299P-1-504LF	652-3299W-1-504LF	652-3299X-1-504LF	652-3299Y-1-504LF	652-3299Z-1-504LF
1M	652-3299P-1-105LF	652-3299W-1-105LF	652-3299X-1-105LF	652-3299Y-1-105LF	652-3299Z-1-105LF
2M	652-3299P-1-205LF	652-3299W-1-205LF	652-3299X-1-205LF	652-3299Y-1-205LF	652-3299Z-1-205LF



VISHAY PRECISION GROUP Multi-Turn Trimmer Resistors



ULTRA HIGH PRECISION TRIMMING POTENTIOMETERS, 1/4" SQUARE, RJ26 STYLE

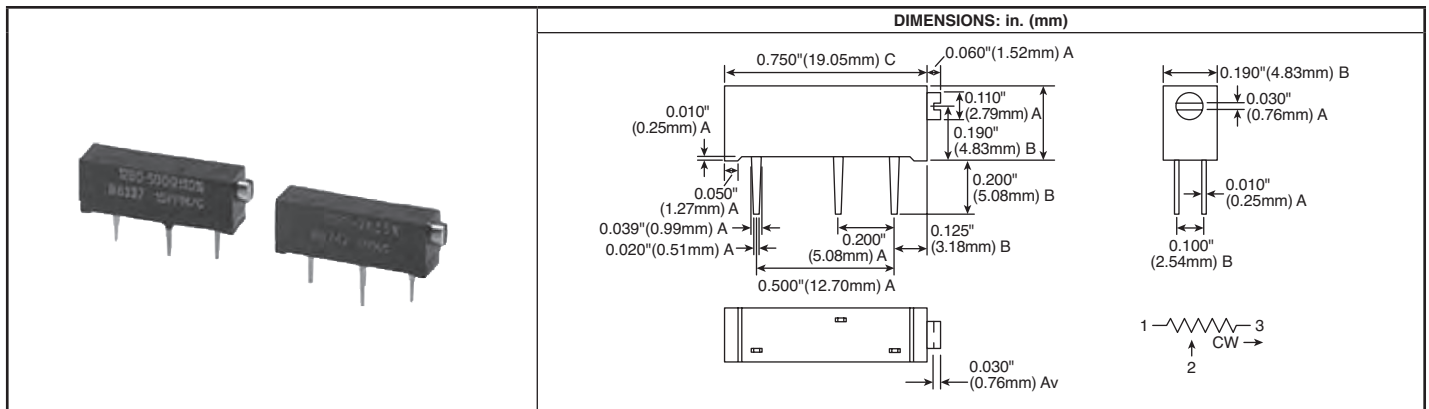
Features:

- Operating Temperature: -55°C to +125°C
- A smooth and unidirectional resistance with leadscrew adjustment.
- Terminal finish: gold plated (tin/lead finish available on request)
- Number of turns: 21 ± 2

1240 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Tol.	Mounting / Adjustment	Price Each	
					1	5
71-1240P-2K-J	Y00532K00000J0L	2K	5%	Horizontal mount, side adjust		
71-1240P-5K-J	Y00535K00000J0L	5K	5%	Horizontal mount, side adjust		
71-1240W-100-J	Y4053100R0000J0L	100	5%	Edge mount, top adjust		
71-1240W-500-J	Y4053500R0000J0L	500	5%	Edge mount, top adjust		
71-1240W-1K-J	Y40531K00000J0L	1K	5%	Edge mount, top adjust		
71-1240W-2K-J	Y40532K00000J0L	2K	5%	Edge mount, top adjust		
71-1240W-5K-J	Y40535K00000J0L	5K	5%	Edge mount, top adjust		
71-1240W-10K-J	Y405310K0000J0L	10K	5%	Edge mount, top adjust		



ULTRA HIGH PRECISION TRIMMING POTENTIOMETERS, 3/4" RECTILINEAR

Features:

- Operating Temperature: -55°C to +125°C
- A smooth and unidirectional resistance with leadscrew adjustment
- Terminal finish: gold plated (tin/lead finish available on request)
- Can be screened for low noise, if required
- 5% available on special order
- Number of turns: 26 ± 2

1280G Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Tol.	Mounting / Adjustment	Price Each	
					1	5
71-1280G-100-K	Y0056100R0000K0L	100	10%	Edge Mount, side slot		
71-1280G-500-K	Y0056500R0000K0L	500	10%	Edge Mount, side slot		
71-1280G-K-1K	Y00561K00000K0L	1K	10%	Edge Mount, side slot		
71-1280G-K-5K	Y00565K00000K0L	5K	10%	Edge Mount, side slot		
71-1280G-10K-K	Y005610K0000K0L	10K	10%	Edge Mount, side slot		
71-1280G-20K-K	Y005620K0000K0L	20K	10%	Edge Mount, side slot		

VISHAY/SFERNICE Multi-Turn Trimmers



SFERNICE T63 SERIES: 1/4" 15-TURN, SQUARE, CERMET TRIMMERS

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -55°C to +155°C
- Rated voltage: 250VD
- Rotation: 15 turns ±5
- Power rating: .25W @ 85°C
- Temperature coefficient: ±70ppm/°C
- Screwdriver slot: .02" x .02"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig	Table of Values (Ω)	Price Each				
			1	25	50	100	200
72-T63YB-Value	A	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M					
72-T63XB-Value	B						
72-T63ZB-Value	C						



SFERNICE TS63 SERIES: 1/4" 13-TURN SMD, SQUARE, CERMET TRIMMERS

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -55°C to +155°C
- Rated voltage: 250VD
- Rotation: 13 turns ±2
- Power rating: .25W @ 85°C
- Temperature coefficient: ±100ppm/°C, 10Ω-50Ω 0/+200ppm
- Screwdriver slot: .02" x .02"

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig	Table of Values (Ω)	Price Each				
			1	25	50	100	200
◆ 72-TS63Y-Value	D	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M					



SFERNICE T18 SERIES: 3/4" 15-TURN, RECTANGULAR, HORIZONTAL ADJUST, CERMET TRIMMERS

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -55°C to +155°C
- Rated voltage: 250VDC
- Rotation: 15 turns ±1
- Power rating: .75W @ 70°C
- Temperature coefficient: ±70ppm/°C
- Screwdriver slot: .024" x .024"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig	Table of Values (Ω)	Price Each				
			1	25	50	100	200
72-T18-Value	E	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 500K, 1M, 2M					



SFERNICE T93 SERIES: 3/8" 19-TURN, SQUARE, CERMET TRIMMERS

Specifications:

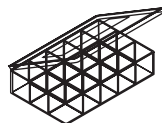
- Tolerance: ±10%
- Rated voltage: 250VDC
- Operating temperature range: -55°C to +155°C
- Rotation: 19 turns ±2
- Power rating: .50W @ 85°C
- Temperature coefficient: ±70ppm/°C
- Screwdriver slot: .024" x .024"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig	Table of Values (Ω)	Price Each				
			1	25	50	100	200
72-T93XA-Value	F	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M					
72-T93XB-Value	G						
72-T93YA-Value	H						
72-T93YB-Value	I						



SFERNICE T93 SERIES: 3/8" 19-TURN, SQUARE TRIMMER KITS

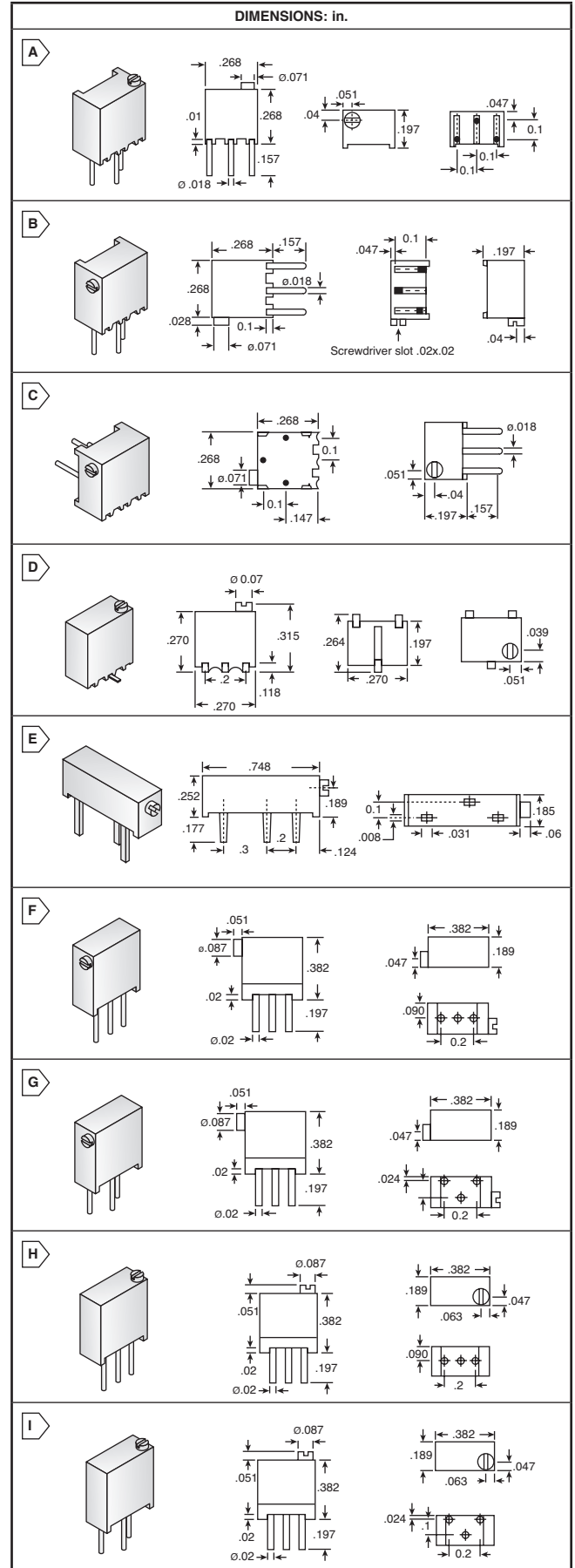


RoHS Compliant



LEAD-FREE

MOUSER STOCK NO.	Kit Contains 90 Pieces	Price Each
370-T93XA-KIT 370-T93YB-KIT 370-T93Z-KIT	10 each: 1K, 5K, 10K; 5 each: 10, 50, 100, 500, 2K, 20K, 50K, 100K, 200K, 500K, 1M, 2M	



Multi-Turn Trimmers Vishay

VISHAY Multi-Turn Trimmers



VISHAY / SERNICE MODEL TSM 43, 4MM, SMD, CERMET TRIMMERS

Features:

- Sealed to withstand board wash processing
- Pick and place centering design
- 4mm design meets EIA SMD standard trimmer footprint
- Top and side adjust styles
- Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$

Specifications:

- Tolerance: $\pm 10\%$
- Oper. temp. range: -65°C to $+150^\circ\text{C}$
- Rotation cycling: 200 cycles
- Power rating: .25W @ $+85^\circ\text{C}$
- Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$

Table of Values (Ω)

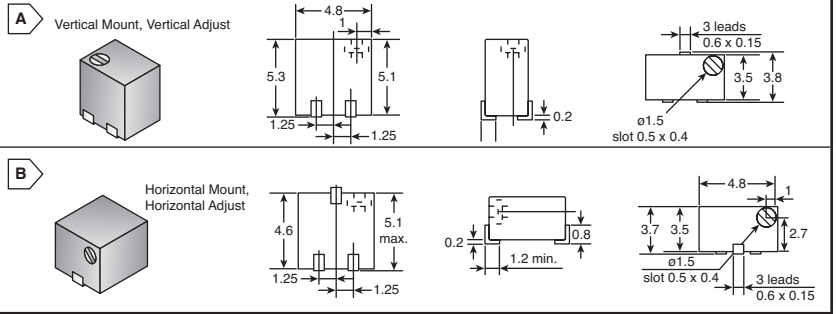
101	501	202	103
201	102	502	503

For quantities greater than listed, call for quote.

Price Each

1	25	50	100
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DIMENSIONS: in.



VISHAY / SPECTROL MODEL 64 3/8" (10MM) 25-TURN CERMET TRIMMERS

Specifications:

- Trimmer size 3/8" x 3/8" x 3/16"
- Tolerance: $\pm 10\%$
- Rating: 0.5W @ 70°C , derated linearly to 0W @ 125°C
- Contact resistance variation: 2% Rn or 2 Ω
- 25 turns nominal
- Pure Sn. leads



RoHS Compliant

For quantities greater than listed, call for quote.

Price Each

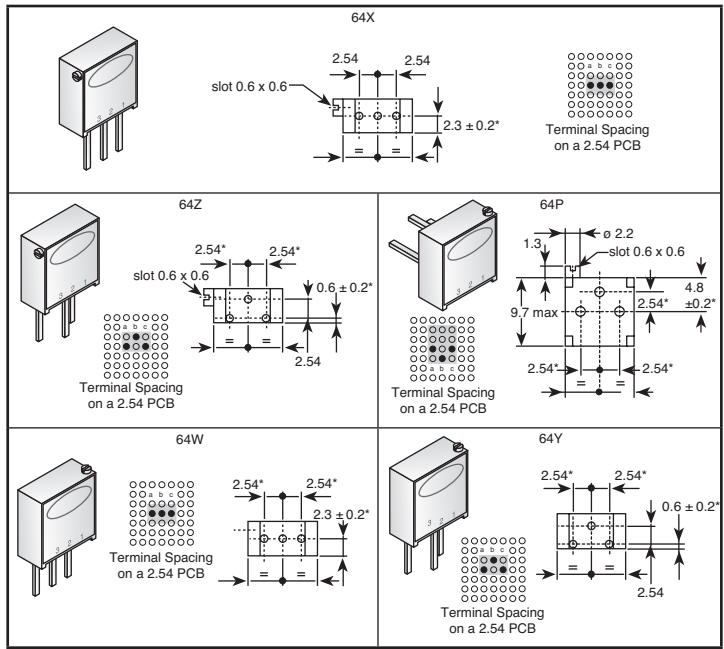
1	25	50	100	200
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Features:

- Sealed for cleaning in common solvents
- Easy adjustment and stability

Value (Ω)	64X Series	64Z Series	64P Series	64W Series	64Y Series
	MOUSER STOCK NO.				
10	---	---	---	---	594-64Y100
20	---	---	---	---	594-64Y200
50	---	---	---	---	594-64Y500
100	594-64X101	594-64Z101	594-64P101	594-64W101	594-64Y101
200	594-64X201	594-64Z201	594-64P201	594-64W201	594-64Y201
500	594-64X501	594-64Z501	594-64P501	594-64W501	594-64Y501
1K	594-64X102	594-64Z102	594-64P102	594-64W102	594-64Y102
2K	594-64X202	594-64Z202	594-64P202	594-64W202	594-64Y202
5K	594-64X502	594-64Z502	594-64P502	594-64W502	594-64Y502
10K	594-64X103	594-64Z103	594-64P103	594-64W103	594-64Y103
20K	594-64X203	594-64Z203	594-64P203	594-64W203	594-64Y203
25K	594-64X253	---	---	594-64W253	594-64Y253
50K	594-64X503	594-64Z503	594-64P503	594-64W503	594-64Y503
100K	594-64X104	594-64Z104	594-64P104	594-64W104	594-64Y104
200K	594-64X204	---	---	594-64W204	594-64Y204
250K	594-64X254	---	---	594-64W254	594-64Y254
500K	594-64X504	---	---	594-64W504	594-64Y504
1M	594-64X105	---	---	594-64W105	594-64Y105
2M	594-64X205	---	---	594-64W205	594-64Y205

DIMENSIONS: in.



VISHAY / SPECTROL MODEL 43P 3/4" 20 TURN CERMET TRIMMERS

Specifications:

- Coefficient of resistance: $\pm 100\text{ppm}/^\circ\text{C}$
- Rating: 0.5W @ 70°C , derated linearly to 0W @ 125°C
- Maximum voltage: $\leq 400\text{V}$
- Temperature range: -55°C to $+125^\circ\text{C}$
- Contact resistance variation: 3% or 3 Ω , whichever is greater

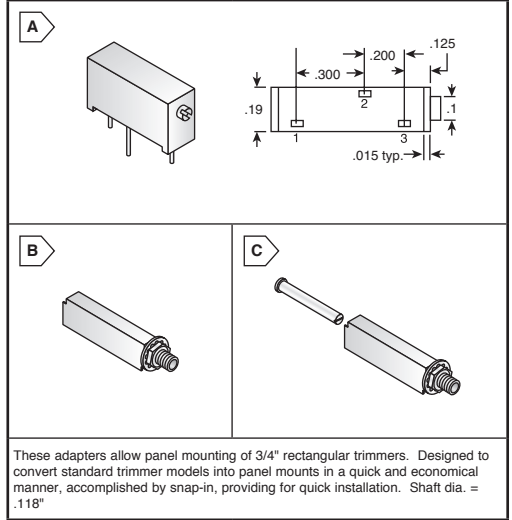
Features:

- Unique "T" slider block design
- Easy adjustment and stability

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value Ω	Insulation Resistance (M Ω)	Tol. %	Price Each				
						1	25	50	100	200
594-43P100	043P100	A	10	1000	± 10					
594-43P200	043P200	A	20	1000	± 10					
594-43P500	043P500	A	50	1000	± 10					
594-43P101	043P101	A	100	1000	± 10					
594-43P201	043P201	A	200	1000	± 10					
594-43P501	043P501	A	500	1000	± 10					
594-43P102	043P102	A	1K	1000	± 10					
594-43P202	043P202	A	2K	1000	± 10					
594-43P252	043P252	A	2.5K	1000	± 10					
594-43P502	043P502	A	5K	1000	± 10					
594-43P103	043P103	A	10K	1000	± 10					
594-43P203	043P203	A	20K	1000	± 10					
594-43P253	043P253	A	25K	1000	± 10					
594-43P503	043P503	A	50K	1000	± 10					
594-43P104	043P104	A	100K	1000	± 10					
594-43P204	043P204	A	200K	1000	± 10					
594-43P504	043P504	A	500K	1000	± 10					
594-43P105	043P105	A	1M	1000	± 10					
594-43P205	043P205	A	2M	1000	± 10					
Adapters										
594-610	006-1-0	B	Without shaft							
594-611	006-1-1	C	With flush shaft							
594-612	006-1-2	C	With .57" shaft							
594-613	006-1-3	C	With .875" shaft							

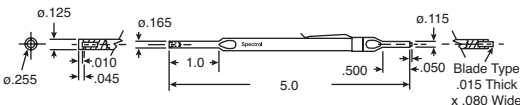
DIMENSIONS: in.



VISHAY / SPECTROL TRIMMER ADJUSTMENT TOOL

Features:

- Extended as well as recessed blade for critical adjustments
- Designed to adjust trimmer potentiometers of all sizes
- Made of glass filled nylon with corrosion resistant stainless steel blades



DIMENSIONS: in.

For quantities greater than listed, call for quote.

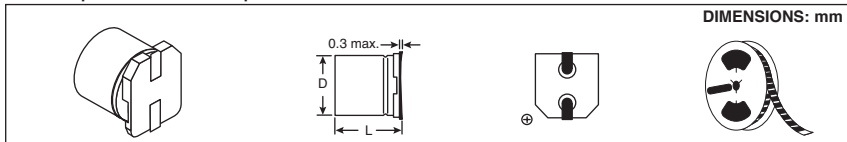
MOUSER STOCK NO.	Price Each			
	1	25	100	250
594-8T000				

CORNELL DUBILIER SMD Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

Cross Reference			
CDE	NIC	Tecate	Panasonic
AFK	NACK	MXZZ	EVE-FK
AVS	NACE	MXM	ECE-V



Application Note:

- A higher voltage capacitor may be used in a lower voltage application

CDE CORNELL DUBILIER AVS SERIES 85°C ALUMINUM ELECTROLYTICS

Features:

- Best value for filter and bypass applications not requiring wide temperature or high ripple current
- AVS series offers significant cost savings over tantalum capacitors
- Vertical case style make automatic mounting and reflow soldering easy

Specifications:

- Capacitance tolerance: $\pm 20\%$
- Temperature range: -40°C to $+85^{\circ}\text{C}$
- Load life: 2000 hours @ 85°C
- Capacitance range: $0.1\mu\text{F}$ to $1000\mu\text{F}$
- Voltage range: 10VDC to 100VDC



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (μF)	Case Size D x L (mm)	ESR (Ω) (max) 20°C/120Hz	Ripple (mA rms) 85°C/120Hz	Price Each				Tape and Reel	
						1	50	100	500	Quantity	Price Ea.
10 Volt											
5985-AVS10V1000-F	AVS108M10G24T-F	1,000	10 x 10.2	0.43	580						500
16 Volt											
5985-AVS16V10A-F	AVS106M16A12T-F	10	3 x 5.4	29.9	20						2000
5985-AVS16V10-F	AVS106M16B12T-F	10	4 x 5.4	26.5	28						2000
5985-AVS16V22-F	AVS226M16B12T-F	22	4 x 5.4	19.6	28						2000
5985-AVS16V33-F	AVS336M16C12T-F	33	5 x 5.4	13.1	35						1000
5985-AVS16V47-F	AVS476M16C12T-F	47	5 x 5.4	9.2	39						1000
5985-AVS16V100-F	AVS107M16D16T-F	100	6.3 x 5.4	4.3	70						1000
5985-AVS16V220-F	AVS227M16F24T-F	220	8 x 10.2	1.5	280						500
5985-AVS16V330-F	AVS337M16F24T-F	330	8 x 10.2	1	320						500
5985-AVS16V470-F	AVS477M16G24T-F	470	10 x 10.2	0.71	420						500
25 Volt											
5985-AVS25V10-F	AVS106M25C12T-F	10	5 x 5.4	23.2	28						1000
5985-AVS25V100-F	AVS107M25E16T-F	100	8 x 6.2	2.7	91						1000
5985-AVS25V220-F	AVS227M25F24T-F	220	8 x 10.2	1.2	140						500
5985-AVS25V470-F	AVS477M25G24T-F	470	10 x 10.2	0.6	360						500
35 Volt											
5985-AVS35V4.7-F	AVS475M35B12T-F	4.7	4 x 5.4	42.4	22						2000
5985-AVS35V10-F	AVS106M35C12T-F	10	5 x 5.4	19.9	30						1000
5985-AVS35V22-F	AVS226M35D16T-F	22	6.3 x 5.4	9.1	60						1000
50 Volt											
5985-AVS50V0.1-F	AVS104M50B12T-F	0.1	4 x 5.4	1990	1						2000
5985-AVS50V1.0-F	AVS105M50B12T-F	1	4 x 5.4	199	10						2000
5985-AVS50V2.2-F	AVS225M50B12T-F	2.2	4 x 5.4	90.5	16						2000
5985-AVS50V3.3-F	AVS335M50B12T-F	3.3	4 x 5.4	60.3	16						2000
5985-AVS50V22-F	AVS226M50D16T-F	22	6.3 x 5.4	10.6	60						1000

CDE CORNELL DUBILIER AFK SERIES 105°C ALUMINUM ELECTROLYTIC, LOW ESR, SMD

Features:

- Up to a 5000 hour load life capability
- Offers lowest ESR and long life for filtering, bypassing, and power supply decoupling
- With the low impedance performance approaching low ESR tantalum capacitors offers a significant cost savings compared to tantalum capacitors
- Vertical case style make automatic mounting and reflow soldering easy

Specifications:

- Capacitance tolerance: $\pm 20\%$
- Temperature range: -55°C to $+105^{\circ}\text{C}$
- Capacitance range: $3.3\mu\text{F}$ to $6800\mu\text{F}$
- Voltage range: 6.3VDC to 100VDC
- Load life: 2000 hours @ $+105^{\circ}\text{C}$ (4.0-10mm dia) 5000 hours @ $+105^{\circ}\text{C}$ (12.5-18mm dia)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (μF)	Case Size D x L (mm)	ESR (Ω) (max) 20°C/120Hz	Ripple (mA rms) 85°C/120Hz	Price Each				Tape and Reel	
						1	50	100	500	Quantity	Price Ea.
6.3 Volt											
5985-AFK6.3V47-F	AFK476M06B12T-F	47	4 x 5.8	1.35	90						2000
5985-AFK6.3V100-F	AFK107M06D16T-F	100	6.3 x 5.8	0.36	240						1000
5985-AFK6.3V330-F	AFK337M06E16T-F	330	8 x 6.2	0.26	300						1000
10 Volt											
5985-AFK10V33-F	AFK336M10B12T-F	33	4 x 5.8	1.35	90						2000
5985-AFK10V220-F	AFK227M10E16T-F	220	8 x 6.2	0.26	300						1000
5985-AFK10V330-F	AFK337M10F24T-F	330	8 x 10.2	0.16	600						500
5985-AFK10V1000-F	AFK108M10G24T-F	1000	10 x 10.2	0.08	850						500
16 Volt											
5985-AFK16V22-F	AFK226M16B12T-F	22	4 x 5.8	1.35	90						2000
5985-AFK16V47-F	AFK476M16D16T-F	47	6.3 x 5.8	0.36	240						1000
5985-AFK16V100-F	AFK107M16D16T-F	100	6.3 x 5.8	0.36	240						1000
5985-AFK16V470-F	AFK477M16F24T-F	470	8 x 10.2	0.16	600						500
5985-AFK16V680-F	AFK687M16G24T-F	680	10 x 10.2	0.08	850						500
25 Volt											
5985-AFK25V10-F	AFK106M25B12T-F	10	4 x 5.8	1.35	90						2000
5985-AFK25V33-F	AFK336M25C12T-F	33	5 x 5.8	0.7	160						1000
5985-AFK25V100-F	AFK107M25E16T-F	100	8 x 6.2	0.26	300						1000
5985-AFK25V220-F	AFK227M25F24T-F	220	8 x 10.2	0.16	600						500
5985-AFK25V470-F	AFK477M25G24T-F	470	10 x 10.2	0.08	850						500
5985-AFK25V1000-F	AFK108M25H32T-F	1000	12.5 x 13.5	0.06	1100						200
35 Volt											
5985-AFK35V10-F	AFK106M35B12T-F	10	4 x 5.8	1.35	90						2000
5985-AFK35V47-F	AFK476M35D16T-F	47	6.3 x 5.8	0.36	240						1000
5985-AFK35V220-F	AFK227M35F24T-F	220	8 x 10.2	0.16	600						500
5985-AFK35V470-F	AFK477M35H32T-F	470	12.5 x 13.5	0.06	1100						200
50 Volt											
5985-AFK50V4.7-F	AFK475M50B12T-F	4.7	4 x 5.8	2.9	60						2000
5985-AFK50V10-F	AFK106M50C12T-F	10	5 x 5.8	1.52	85						1000
5985-AFK50V47-F	AFK476M50E16T-F	47	8 x 6.2	0.68	195						1000
5985-AFK50V100-F	AFK107M50F24T-F	100	8 x 10.2	0.34	350						500
5985-AFK50V220-F	AFK227M50G24T-F	220	10 x 10.2	0.18	670						500
63 Volt											
5985-AFK63V100-F	AFK107M63G24T-F	100	10 x 10.2	0.35	400						500
5985-AFK63V220-F	AFK227M63H32T-F	220	12.5 x 13.5	0.16	800						200
5985-AFK100V22-F	AFK226M2AF24T-F	22	8 x 10.2	1.3	130						500
5985-AFK100V68-F	AFK686M2AH32T-F	68	12.5 x 13.5	0.32	500						200

LELON SMD Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

VE 85°C SMD SERIES

Specifications:

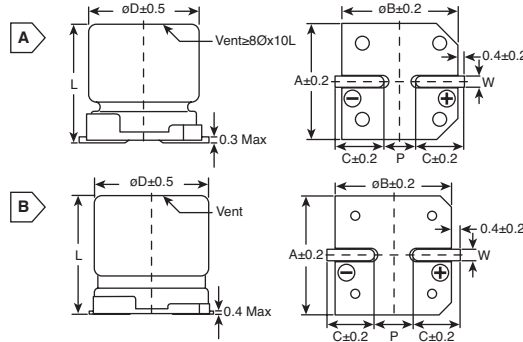
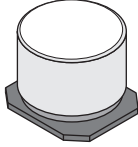
- Operating Temperature Range: -40°C to +85°C
- Voltage Range: 4V ~ 100V
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Endurance: 2000 hours @ 85°C

Features:

- Designed for surface mounting on high density PC board
- V-Chip type large capacitance capacitors

Application Note:

- A higher voltage capacitor may be used in a lower voltage application
- Parts are available on reels



DIMENSIONS: mm							
ØD	L	A	B	C	W	P±0.2	Fig.
3	5.3±0.2	3.3	3.3	1.5	0.45 ~ 0.75	0.8	A
4	5.3±0.2	4.3	4.3	2.0	0.5 ~ 0.8	1.0	A
5	5.3±0.2	5.3	5.3	2.3	0.5 ~ 0.8	1.5	A
6.3	5.3±0.2	6.6	6.6	2.7	0.5 ~ 0.8	2.0	A
6.3	7.7±0.3	6.6	6.6	2.7	0.5 ~ 0.8	2.0	A
8	10±0.5	8.4	8.4	3.0	0.7 ~ 1.1	3.1	A
8	10.3±0.5	8.4	8.4	3.0	0.7 ~ 1.1	3.1	A
10	10±0.5	10.4	10.4	3.3	0.7 ~ 1.1	4.7	A
10	10.3±0.5	10.4	10.4	3.3	0.7 ~ 1.1	4.7	A
12.5	13.5±0.5	13.0	13.0	4.8	1.1 ~ 1.4	4.4	B
12.5	16±0.5	13.0	13.0	4.8	1.1 ~ 1.4	4.4	B
16	16.5±0.5	17.0	17.0	5.8	1.1 ~ 1.4	6.4	B

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Fig.	Value (µF)	Case Size (DxL mm)	Ripple Current	Price Each		
						1	100	500
4 Volts								
140-VE220M0GTR0305	VE-220M0GTR-0305	A	22	3 x 5.3	14			
140-VE330M0GTR0405	VE-330M0GTR-0405	A	33	4 x 5.3	31			
140-VE470M0GTR0405	VE-470M0GTR-0405	A	47	4 x 5.3	34			
140-VE680M0GTR0505	VE-680M0GTR-0505	A	68	5 x 5.3	58			
140-VE101M0GTR0505	VE-101M0GTR-0505	A	100	5 x 5.3	58			
140-VE221M0GTR0605	VE-221M0GTR-0605	A	220	6.3 x 5.3	89			
140-VE221M0GTR0607	VE-221M0GTR-0607	A	220	6.3 x 7.7	124			
140-VE331M0GTR0607	VE-331M0GTR-0607	A	330	6.3 x 7.7	124			
140-VE471M0GTR0810	VE-471M0GTR-0810	A	470	8 x 10	252			
6.3 Volts								
140-VE100M0JTR0305	VE-100M0JTR-0305	A	10	3 x 5.3	16			
140-VE220M0JTR0405	VE-220M0JTR-0405	A	22	4 x 5.3	26			
140-VE330M0JTR0405	VE-330M0JTR-0405	A	33	4 x 5.3	31			
140-VE470M0JTR0405	VE-470M0JTR-0405	A	47	4 x 5.3	37			
140-VE470M0JTR0505	VE-470M0JTR-0505	A	47	5 x 5.3	50			
140-VE680M0JTR0505	VE-680M0JTR-0505	A	68	5 x 5.3	58			
140-VE101M0JTR0605	VE-101M0JTR-0605	A	100	6.3 x 5.3	89			
140-VE221M0JTR0605	VE-221M0JTR-0605	A	220	6.3 x 5.3	89			
140-VE221M0JTR0607	VE-221M0JTR-0607	A	220	6.3 x 7.7	124			
140-VE331M0JTR0607	VE-331M0JTR-0607	A	330	6.3 x 7.7	124			
140-VE471M0JTR0810	VE-471M0JTR-0810	A	470	8 x 10	290			
140-VE102M0JTR1010	VE-102M0JTR-1010	A	1000	10 x 10	430			
140-VE222M0JTR1313	VE-222M0JTR-1313	B	2200	12.5 x 13.5	890			
140-VE332M0JTR1316	VE-332M0JTR-1316	B	3300	12.5 x 16	1000			
140-VE472M0JTR1616	VE-472M0JTR-1616	B	4700	16 x 16.5	1400			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Fig.	Value (µF)	Case Size (DxL mm)	Ripple Current	Price Each		
						1	100	500
25 Volts (Cont.)								
140-VE470M1ETR0605	VE-470M1ETR-0605	A	47	6.3 x 5.3	75			
140-VE680M1ETR0607	VE-680M1ETR-0607	A	68	6.3 x 7.7	109			
140-VE101M1ETR0607	VE-101M1ETR-0607	A	100	6.3 x 7.7	109			
140-VE221M1ETR0810	VE-221M1ETR-0810	A	220	8 x 10	270			
140-VE331M1ETR1010	VE-331M1ETR-1010	A	330	10 x 10	400			
140-VE471M1ETR1010	VE-471M1ETR-1010	A	470	10 x 10	400			
140-VE102M1ETR1313	VE-102M1ETR-1313	B	1000	12.5 x 13.5	750			
140-VE222M1ETR1616	VE-222M1ETR-1616	B	2200	16 x 16.5	1100			
35 Volts								
140-VE3R3M1VTR0305	VE-3R3M1VTR-0305	A	3.3	3 x 5.3	14			
140-VE4R7M1VTR0405	VE-4R7M1VTR-0405	A	4.7	4 x 5.3	26			
140-VE100M1VTR0505	VE-100M1VTR-0505	A	10	5 x 5.3	44			
140-VE220M1VTR0505	VE-220M1VTR-0505	A	22	5 x 5.3	47			
140-VE220M1VTR0605	VE-220M1VTR-0605	A	22	6.3 x 5.3	59			
140-VE330M1VTR0605	VE-330M1VTR-0605	A	33	6.3 x 5.3	67			
140-VE470M1VTR0607	VE-470M1VTR-0607	A	47	6.3 x 7.7	98			
140-VE680M1VTR0607	VE-680M1VTR-0607	A	68	6.3 x 7.7	109			
140-VE101M1VTR0810	VE-101M1VTR-0810	A	100	8 x 10	252			
140-VE221M1VTR0810	VE-221M1VTR-0810	A	220	8 x 10	270			
140-VE221M1VTR1010	VE-221M1VTR-1010	A	220	10 x 10	370			
140-VE331M1VTR1010	VE-331M1VTR-1010	A	330	10 x 10.3	400			
140-VE471M1VTR1313	VE-471M1VTR-1313	B	470	12.5 x 13.5	750			
140-VE102M1VTR1616	VE-102M1VTR-1616	B	1000	16 x 16.5	1100			
50 Volts								
140-VE0R1M1HTR0405	VE-0R1M1HTR-0405	A	0.1	4 x 5.3	3			
140-VE2R2M1HTR0405	VE-R22M1HTR-0405	A	0.22	4 x 5.3	5			
140-VE3R3M1HTR0405	VE-R33M1HTR-0405	A	0.33	4 x 5.3	6			
140-VE4R7M1HTR0405	VE-R47M1HTR-0405	A	0.47	4 x 5.3	7			
140-VE010M1HTR0405	VE-010M1HTR-0405	A	1	4 x 5.3	10			
140-VE2R2M1HTR0405	VE-2R2M1HTR-0405	A	2.2	4 x 5.3	14			
140-VE3R3M1HTR0405	VE-3R3M1HTR-0405	A	3.3	4 x 5.3	17			
140-VE4R7M1HTR0405	VE-4R7M1HTR-0405	A	4.7	4 x 5.3	20			
140-VE100M1HTR0505	VE-100M1HTR-0505	A	10	5 x 5.3	35			
140-VE220M1HTR0605	VE-220M1HTR-0605	A	22	6.3 x 5.3	50			
140-VE330M1HTR0607	VE-330M1HTR-0607	A	33	6.3 x 7.7	75			
140-VE470M1HTR0607	VE-470M1HTR-0607	A	47	6.3 x 7.7	75			
140-VE680M1HTR0810	VE-680M1HTR-0810	A	68	8 x 10	190			
140-VE101M1HTR0810	VE-101M1HTR-0810	A	100	8 x 10	190			
140-VE221M1HTR1010	VE-221M1HTR-1010	A	220	10 x 10	320			
140-VE331M1HTR1313	VE-331M1HTR-1313	B	330	12.5 x 13.5	600			
140-VE471M1HTR1316	VE-471M1HTR-1316	B	470	12.5 x 16	740			
63 Volts								
140-VE0R1M1JTR0405	VE-0R1M1JTR-0405	A	0.1	4 x 5.3	2			
140-VE2R2M1JTR0405	VE-R22M1JTR-0405	A	0.22	4 x 5.3	3			
140-VE3R3M1JTR0405	VE-R33M1JTR-0405	A	0.33	4 x 5.3	4			
140-VE4R7M1JTR0405	VE-R47M1JTR-0405	A	0.47	4 x 5.3	5			
140-VE010M1JTR0405	VE-010M1JTR-0405	A	1	4 x 5.3	8			
140-VE2R2M1JTR0405	VE-2R2M1JTR-0405	A	2.2	4 x 5.3	12			
140-VE3R3M1JTR0505	VE-3R3M1JTR-0505	A	3.3	5 x 5.3	22			
140-VE4R7M1JTR0505	VE-4R7M1JTR-0505	A	4.7	5 x 5.3	25			
140-VE220M1JTR0810	VE-220M1JTR-0810	A	22	8 x 10	139			
140-VE330M1JTR0810	VE-330M1JTR-0810	A	33	8 x 10	139			
140-VE470M1JTR1010	VE-470M1JTR-1010	A	47	10 x 10	200			
140-VE680M1JTR1010	VE-680M1JTR-1010	A	68	10 x 10	226			
140-VE101M1JTR1010	VE-101M1JTR-1010	A	100	10 x 10	226			
140-VE221M1JTR1313	VE-221M1JTR-1313	B	220	12.5 x 13.5	500			
140-VE331M1JTR1316	VE-331M1JTR-1316	B	330	12.5 x 16	600			
140-VE471M1JTR1616	VE-471M1JTR-1616	B	470	16 x 16.5	850			
100 Volts								
140-VE100M2ATR0810	VE-100M2ATR-0810	A	10	8 x 10	90			
140-VE220M2ATR0810	VE-220M2ATR-0810	A	22	8 x 10	90			
140-VE330M2ATR1010	VE-330M2ATR-1010	A	33	10 x 10	120			
140-VE470M2ATR1010	VE-470M2ATR-1010	A	47	10 x 10	120			
140-VE680M2ATR1313	VE-680M2ATR-1313	B	68	12.5 x 13.5	380			
140-VE101M2ATR1313	VE-101M2ATR-1313	B	100	12.5 x 13.5	440			
140-VE221M2ATR1616	VE-221M2ATR-1616	B	220	16 x 16.5	600			

LELON SMD Aluminum Electrolytic Capacitors



VZH 105°C ULTRA LOW IMPEDANCE SERIES



This product is RoHS compliant.

Specifications:

- Operating Temperature Range: 6.3 ~ 63V: -55°C to +105°C
80 ~ 100V: -55°C to +105°C
- Voltage Range: 6.3V ~ 100V
- Capacitance Tolerance: ±20% @120Hz, 20°C
- Endurance: 2000 to 5000 hours @ 105°C
- Leakage Current: 0.01CV or 3µA whichever is greater after 2 minutes of rated voltage(at 20°C)

Features:

- Designed for surface mounting on high density PC board
- Ultra Low Impedance
- Large capacitance V-Chip Capacitor

Application Note:

- A higher voltage capacitor may be used in a lower voltage application
- Parts Available on Reels



RoHS Compliant

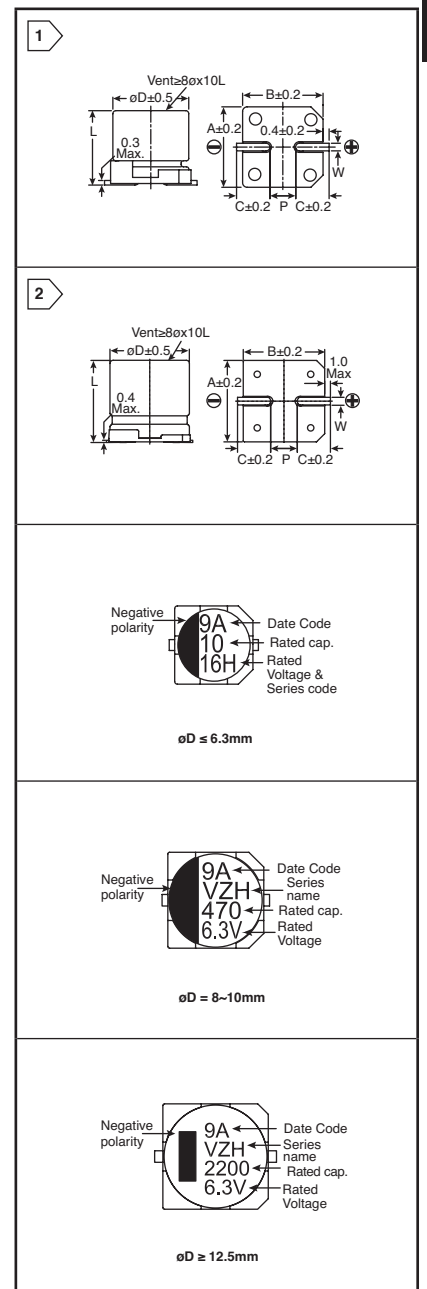
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size (DxL mm)	Impedance (Ω) 100KHz, 20°C	Ripple (mA/ms)	Price Each		
						1	100	500
6.3 Volts								
140-VZH220M0JTR0406	VZH-220M0JTR-0406	22	4 x 5.7	1.35	80			
140-VZH330M0JTR0406	VZH-330M0JTR-0406	33	4 x 5.7	1.35	80			
140-VZH470M0JTR0506	VZH-470M0JTR-0506	47	5 x 5.7	.80	150			
140-VZH101M0JTR0606	VZH-101M0JTR-0606	100	6.3 x 5.7	.44	230			
140-VZH151M0JTR0606	VZH-151M0JTR-0606	150	6.3 x 5.7	.44	230			
140-VZH221M0JTR0607	VZH-221M0JTR-0607	220	6.3 x 7.7	.36	280			
140-VZH331M0JTR0810	VZH-331M0JTR-0810	330	8 x 10	.17	450			
140-VZH471M0JTR0810	VZH-471M0JTR-0810	470	8 x 10	.17	450			
140-VZH681M0JTR0810	VZH-681M0JTR-0810	680	8 x 10.3	.17	450			
140-VZH102M0JTR0810	VZH-102M0JTR-0810	1000	8 x 10.3	.17	450			
140-VZH152M0JTR1010	VZH-152M0JTR-1010	1500	10 x 10.3	.09	670			
140-VZH222M0JTR1313	VZH-222M0JTR-1313	2200	12.5 x 13.5	.07	820			
140-VZH332M0JTR1316	VZH-332M0JTR-1316	3300	12.5 x 16	.06	950			
140-VZH472M0JTR1616	VZH-472M0JTR-1616	4700	16 x 16.5	.054	1260			
10 Volts								
140-VZH220M1ATR0406	VZH-220M1ATR-0406	22	4 x 5.7	1.35	80			
140-VZH330M1ATR0506	VZH-330M1ATR-0506	33	5 x 5.7	.80	150			
140-VZH470M1ATR0606	VZH-470M1ATR-0606	47	6.3 x 5.7	.44	230			
140-VZH101M1ATR0606	VZH-101M1ATR-0606	100	6.3 x 5.7	.44	230			
140-VZH151M1ATR0606	VZH-151M1ATR-0606	150	6.3 x 5.7	.44	230			
140-VZH221M1ATR0607	VZH-221M1ATR-0607	220	6.3 x 7.7	.36	280			
140-VZH331M1ATR0810	VZH-331M1ATR-0810	330	8 x 10	.17	450			
140-VZH471M1ATR0810	VZH-471M1ATR-0810	470	8 x 10	.17	450			
140-VZH681M1ATR1010	VZH-681M1ATR-1010	680	10 x 10	.09	670			
140-VZH102M1ATR1010	VZH-102M1ATR-1010	1000	10 x 10	.09	670			
140-VZH152M1ATR1313	VZH-152M1ATR-1313	1500	12.5 x 13.5	.07	820			
140-VZH222M1ATR1316	VZH-222M1ATR-1316	2200	12.5 x 16	.06	950			
140-VZH332M1ATR1616	VZH-332M1ATR-1616	3300	16 x 16.5	.054	1260			
140-VZH472M1ATR1616	VZH-472M1ATR-1616	4700	16 x 16.5	.054	1260			
16 Volts								
140-VZH100M1CTR0406	VZH-100M1CTR-0406	10	4 x 5.7	1.35	80			
140-VZH220M1CTR0506	VZH-220M1CTR-0506	22	5 x 5.7	.80	150			
140-VZH330M1CTR0606	VZH-330M1CTR-0606	33	6.3 x 5.7	.44	230			
140-VZH470M1CTR0606	VZH-470M1CTR-0606	47	6.3 x 5.7	.44	230			
140-VZH101M1CTR0606	VZH-101M1CTR-0606	100	6.3 x 5.7	.44	230			
140-VZH151M1CTR0607	VZH-151M1CTR-0607	150	6.3 x 7.7	.36	280			
140-VZH221M1CTR0607	VZH-221M1CTR-0607	220	6.3 x 7.7	.36	280			
140-VZH331M1CTR0810	VZH-331M1CTR-0810	330	8 x 10	.17	450			
140-VZH471M1CTR0810	VZH-471M1CTR-0810	470	8 x 10	.17	450			
140-VZH471M1CTR1010	VZH-471M1CTR-1010	470	10 x 10	.09	670			
140-VZH681M1CTR1010	VZH-681M1CTR-1010	680	10 x 10.3	.09	670			
140-VZH102M1CTR1313	VZH-102M1CTR-1313	1000	12.5 x 13.5	.07	820			
140-VZH152M1CTR1316	VZH-152M1CTR-1316	1500	12.5 x 16	.06	950			
140-VZH222M1CTR1616	VZH-222M1CTR-1616	2200	16 x 16.5	.054	1260			
140-VZH332M1CTR1616	VZH-332M1CTR-1616	3300	16 x 16.5	.054	1260			
25 Volts								
140-VZH100M1ETR0406	VZH-100M1ETR-0406	10	4 x 5.7	1.35	80			
140-VZH220M1ETR0506	VZH-220M1ETR-0506	22	5 x 5.7	.80	150			
140-VZH330M1ETR0606	VZH-330M1ETR-0606	33	6.3 x 5.7	.44	230			
140-VZH470M1ETR0606	VZH-470M1ETR-0606	47	6.3 x 5.7	.44	230			
140-VZH101M1ETR0607	VZH-101M1ETR-0607	100	6.3 x 7.7	.36	280			
140-VZH151M1ETR0810	VZH-151M1ETR-0810	150	8 x 10	.17	450			
140-VZH221M1ETR0810	VZH-221M1ETR-0810	220	8 x 10	.17	450			
140-VZH331M1ETR0810	VZH-331M1ETR-0810	330	8 x 10.3	.17	450			
140-VZH471M1ETR1010	VZH-471M1ETR-1010	470	10 x 10	.09	670			
140-VZH681M1ETR1313	VZH-681M1ETR-1313	680	12.5 x 13.5	.07	820			
140-VZH102M1ETR1316	VZH-102M1ETR-1316	1000	12.5 x 16	.06	950			
140-VZH152M1ETR1616	VZH-152M1ETR-1616	1500	16 x 16.5	.054	1260			
140-VZH222M1ETR1616	VZH-222M1ETR-1616	2200	16 x 16.5	.054	1260			
35 Volts								
140-VZH4R7M1VTR0406	VZH-4R7M1VTR-0406	4.7	4 x 5.7	1.35	80			
140-VZH100M1VTR0506	VZH-100M1VTR-0506	10	5 x 5.7	.80	150			
140-VZH220M1VTR0606	VZH-220M1VTR-0606	22	6.3 x 5.7	.44	230			
140-VZH330M1VTR0606	VZH-330M1VTR-0606	33	6.3 x 5.7	.44	230			
140-VZH470M1VTR0606	VZH-470M1VTR-0606	47	6.3 x 5.7	.44	230			
140-VZH101M1VTR0810	VZH-101M1VTR-0810	100	8 x 10	.17	450			
140-VZH151M1VTR0810	VZH-151M1VTR-0810	150	8 x 10	.17	450			
140-VZH221M1VTR1010	VZH-221M1VTR-1010	220	10 x 10	.09	670			
140-VZH331M1VTR1313	VZH-331M1VTR-1313	330	12.5 x 13.5	.07	820			
140-VZH471M1VTR1316	VZH-471M1VTR-1316	470	12.5 x 16	.06	950			
140-VZH681M1VTR1316	VZH-681M1VTR-1316	680	12.5 x 16	.06	950			
140-VZH102M1VTR1616	VZH-102M1VTR-1616	1000	16 x 16.5	.054	1260			

Lead Spacing and Diameter

Unit:mm

øD	L	A	B	C	W	P±0.2	Fig. No.
4	5.7±0.3	4.3	4.3	2.0	0.5-0.8	1.0	1
5	5.7±0.3	5.3	5.3	2.3	0.5-0.8	1.5	1
6.3	5.7±0.3	6.6	6.6	2.7	0.5-0.8	2.0	1
6.3	7.7±0.3	6.6	6.6	2.7	0.5-0.8	3.1	1
8	10±0.5	8.4	8.4	3.0	0.7-1.1	3.1	1
8	10.3±0.5	8.4	8.4	3.0	0.7-1.1	4.7	1
10	10±0.5	10.4	10.4	3.3	0.7-1.1	4.7	1
10	10.3±0.5	10.4	10.4	3.3	0.7-1.1	4.7	1
12.5	13.5±0.5	13.0	13.0	4.8	1.1-1.4	4.4	2
12.5	16±0.5	13.0	13.0	4.8	1.1-1.4	4.4	2
16	16.5±0.5	17.0	17.0	5.8	1.1-1.4	6.4	2



LELON SMD Aluminum Electrolytic Capacitors



VZH 105°C ULTRA LOW IMPEDANCE SERIES (CONT.)

RoHS Compliant This product is RoHS compliant.

Specifications:

- Operating Temperature Range: 6.3 ~ 63V: -55°C to +105°C
80 ~ 100V: -40°C to +105°C
- Voltage Range: 6.3V ~ 100V
- Capacitance Tolerance: ±20% @120Hz, 20°C
- Endurance: 2000 to 5000 hours @ 105°C
- Leakage Current: 0.01CV or 3µA whichever is greater after 2 minutes of rated voltage (at 20°C)

Features:

- Designed for surface mounting on high density PC board
- Ultra Low Impedance
- Large capacitance V-Chip Capacitor

Application Note:

- A higher voltage capacitor may be used in a lower voltage application
- Parts Available on Reels



RoHS Compliant



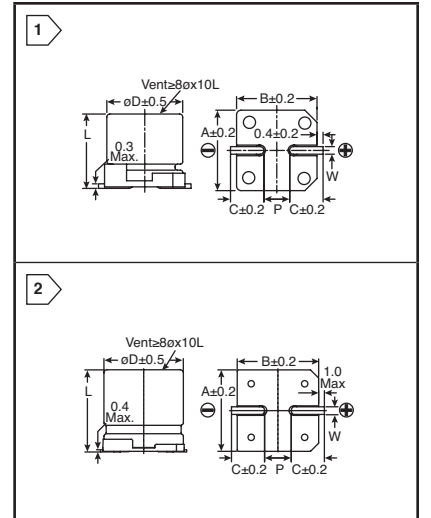
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size (DxL mm)	Impedance (Ω) 100KHz, 20°C	Ripple (mA/ms)	Price Each		
						1	100	500
50 Volts								
140-VZH010M1HTR0406	VZH-010M1HTR-0406	1	4 x 5.7	2.9	60			
140-VZH2R2M1HTR0406	VZH-2R2M1HTR-0406	2.2	4 x 5.7	2.9	60			
140-VZH3R3M1HTR0406	VZH-3R3M1HTR-0406	3.3	4 x 5.7	2.9	60			
140-VZH4R7M1HTR0506	VZH-4R7M1HTR-0506	4.7	5 x 5.7	1.52	85			
140-VZH100M1HTR0606	VZH-100M1HTR-0606	10	6.3 x 5.7	.88	165			
140-VZH220M1HTR0606	VZH-220M1HTR-0606	22	6.3 x 5.7	.88	165			
140-VZH330M1HTR0607	VZH-330M1HTR-0607	33	6.3 x 7.7	.68	185			
140-VZH470M1HTR0607	VZH-470M1HTR-0607	47	6.3 x 7.7	.68	185			
140-VZH680M1HTR0810	VZH-680M1HTR-0810	68	8 x 10	.34	369			
140-VZH101M1HTR0810	VZH-101M1HTR-0810	100	8 x 10	.34	369			
140-VZH101M1HTR1010	VZH-101M1HTR-1010	100	10 x 10	.18	553			
140-VZH151M1HTR1010	VZH-151M1HTR-1010	150	10 x 10.3	.18	553			
140-VZH221M1HTR1010	VZH-221M1HTR-1010	220	10 x 10.3	.18	553			
140-VZH331M1HTR1313	VZH-331M1HTR-1313	330	12.5 x 13.5	.12	630			
140-VZH471M1HTR1616	VZH-471M1HTR-1616	470	16 x 16.5	.073	1000			
140-VZH681M1HTR1616	VZH-681M1HTR-1616	680	16 x 16.5	.073	1000			
63 Volts								
140-VZH4R7M1JTR0506	VZH-4R7M1JTR-0506	4.7	5 x 5.7	1.9	70			
140-VZH100M1JTR0606	VZH-100M1JTR-0606	10	6.3 x 5.7	1.2	130			
140-VZH220M1JTR0607	VZH-220M1JTR-0607	22	6.3 x 7.7	.90	150			
140-VZH330M1JTR0810	VZH-330M1JTR-0810	33	8 x 10	.50	280			
140-VZH470M1JTR0810	VZH-470M1JTR-0810	47	8 x 10	.50	280			
140-VZH101M1JTR1010	VZH-101M1JTR-1010	100	10 x 10	.25	450			
140-VZH151M1JTR1313	VZH-151M1JTR-1313	150	12.5 x 13.5	.15	700			
140-VZH221M1JTR1313	VZH-221M1JTR-1313	220	12.5 x 13.5	.15	700			
140-VZH331M1JTR1616	VZH-331M1JTR-1616	330	16 x 16.5	.082	900			
140-VZH471M1JTR1616	VZH-471M1JTR-1616	470	16 x 16.5	.082	900			
80 Volts								
140-VZH470M1KTR1010	VZH-470M1KTR-1010	47	10 x 10	.70	200			
140-VZH101M1KTR1010	VZH-101M1KTR-1010	100	10 x 10.3	.70	200			
140-VZH151M1KTR1313	VZH-151M1KTR-1313	150	12.5 x 13.5	.32	450			
140-VZH221M1KTR1316	VZH-221M1KTR-1316	220	12.5 x 16	.26	550			
140-VZH331M1KTR1616	VZH-331M1KTR-1616	330	16 x 16.5	.17	650			
100 Volts								
140-VZH470M2ATR1010	VZH-470M2ATR-1010	47	10 x 10	.70	200			
140-VZH101M2ATR1313	VZH-101M2ATR-1313	100	12.5 x 13.5	.32	450			
140-VZH151M2ATR1316	VZH-151M2ATR-1316	150	12.5 x 16	.26	550			

Lead Spacing and Diameter

Unit:mm

oD	L	A	B	C	W	P±0.2	Fig. No.
4	5.7±0.3	4.3	4.3	2.0	0.5-0.8	1.0	1
5	5.7±0.3	5.3	5.3	2.3	0.5-0.8	1.5	1
6.3	5.7±0.3	6.6	6.6	2.7	0.5-0.8	2.0	1
6.3	7.7±0.3	6.6	6.6	2.7	0.5-0.8	3.1	1
8	10±0.5	8.4	8.4	3.0	0.7-1.1	3.1	1
8	10.3±0.5	8.4	8.4	3.0	0.7-1.1	4.7	1
10	10±0.5	10.4	10.4	3.3	0.7-1.1	4.7	1
10	10.3±0.5	10.4	10.4	3.3	0.7-1.1	4.7	1
12.5	13.5±0.5	13.0	13.0	4.8	1.1-1.4	4.4	2
12.5	16±0.5	13.0	13.0	4.8	1.1-1.4	4.4	2
16	16.5±0.5	17.0	17.0	5.8	1.1-1.4	6.4	2



VES 105°C 5.5MM SMD SERIES

Specifications:

- Operating Temperature Range: -55°C to +105°C
- Voltage Range: 6.3V ~ 50V
- Capacitance Tolerance: ±20% @120Hz, 20°C
- Endurance: 1000 hours @ 105°C
- Leakage Current: 0.01CV or 3µA whichever is greater after 2 minutes of rated voltage (at 20°C)

Features:

- Designed for surface mounting on high density PC board
- Vertical Chip type with 5.5mm height

Application Note:

- A higher voltage capacitor may be used in a lower voltage application
- Parts Available on Reels



RoHS Compliant



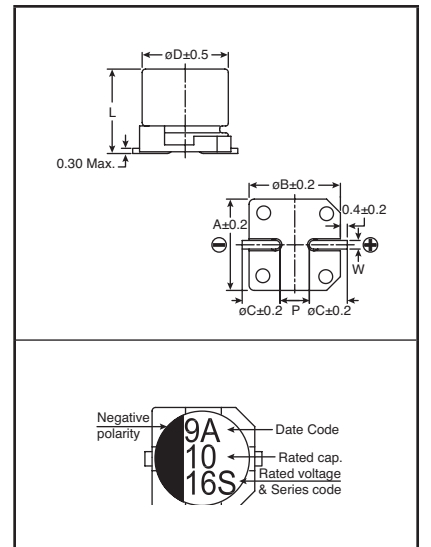
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Voltage (DC)	Voltage (DC)	Case Size (DxL mm)	Ripple Current	Price Each			
						1	100	500	1000
140-VES220M0JTR0405	VES-220M0JTR-0405	6.3	22	4 x 5.3	21				
140-VES330M0JTR0505	VES-330M0JTR-0505	6.3	33	5 x 5.3	30				
140-VES470M0JTR0505	VES-470M0JTR-0505	6.3	47	5 x 5.3	36				
140-VES101M0JTR0605	VES-101M0JTR-0605	6.3	100	6.3 x 5.3	61				
140-VES100M1ATR0405	VES-100M1ATR-0405	10	10	4 x 5.3	15				
140-VES220M1ATR0505	VES-220M1ATR-0505	10	22	5 x 5.3	25				
140-VES330M1ATR0505	VES-330M1ATR-0505	10	33	5 x 5.3	31				
140-VES470M1ATR0605	VES-470M1ATR-0605	10	47	6.3 x 5.3	43				
140-VES101M1ATR0605	VES-101M1ATR-0605	10	100	6.3 x 5.3	65				
140-VES100M1CTR0405	VES-100M1CTR-0405	16	10	4 x 5.3	16				
140-VES220M1CTR0505	VES-220M1CTR-0505	16	22	5 x 5.3	28				
140-VES330M1CTR0605	VES-330M1CTR-0605	16	33	6.3 x 5.3	40				
140-VES470M1CTR0605	VES-470M1CTR-0605	16	47	6.3 x 5.3	47				
140-VES101M1CTR0605	VES-101M1CTR-0605	16	100	6.3 x 5.3	70				
140-VES4R7M1ETR0405	VES-4R7M1ETR-0405	25	4.7	4 x 5.3	12				
140-VES100M1ETR0505	VES-100M1ETR-0505	25	10	5 x 5.3	21				
140-VES220M1ETR0605	VES-220M1ETR-0605	25	22	6.3 x 5.3	36				
140-VES330M1ETR0605	VES-330M1ETR-0605	25	33	6.3 x 5.3	44				
140-VES470M1ETR0605	VES-470M1ETR-0605	25	47	6.3 x 5.3	60				
140-VES4R7M1VTR0405	VES-4R7M1VTR-0405	35	4.7	4 x 5.3	14				
140-VES100M1VTR0505	VES-100M1VTR-0505	35	10	5 x 5.3	23				
140-VES220M1VTR0605	VES-220M1VTR-0605	35	22	6.3 x 5.3	50				
140-VES0R1M1HTR0405	VES-0R1M1HTR-0405	50	.1	4 x 5.3	2				
140-VESR22M1HTR0405	VES-R22M1HTR-0405	50	.22	4 x 5.3	3				
140-VESR33M1HTR0405	VES-R33M1HTR-0405	50	.33	4 x 5.3	4				
140-VESR47M1HTR0405	VES-R47M1HTR-0405	50	.47	4 x 5.3	5				
140-VES010M1HTR0405	VES-010M1HTR-0405	50	1.0	4 x 5.3	7				
140-VES2R2M1HTR0405	VES-2R2M1HTR-0405	50	2.2	4 x 5.3	10				
140-VES3R3M1HTR0405	VES-3R3M1HTR-0405	50	3.3	4 x 5.3	12				
140-VES4R7M1HTR0405	VES-4R7M1HTR-0405	50	4.7	4 x 5.3	17				
140-VES100M1HTR0605	VES-100M1HTR-0605	50	10	6.3 x 5.3	26				
140-VES220M1HTR0605	VES-220M1HTR-0605	50	22	6.3 x 5.3	51				

Lead Spacing and Diameter

Unit:mm

oD	L	A	B	C	W	P±0.2
4	5.3±0.2	4.3	4.3	2.0	0.5-0.8	1.0
5	5.3±0.2	5.3	5.3	2.3	0.5-0.8	1.5
6.3	5.3±0.2	6.6	6.6	2.7	0.5-0.8	2.0



LELON SMD Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

VLV 105°C SMD ANTI-VIBRATION SERIES

Specifications:

- Operating Temperature Range: 55°C to 105°C
- Voltage Range: 6.3V ~ 100V
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Endurance: 5000 hours @ 105°C

Features:

- 12.5 ~ 16φ, 105°C, 5,000 hours assured
- Suitable for automotive application
- Peak acceleration: 50G
- RoHS Compliance



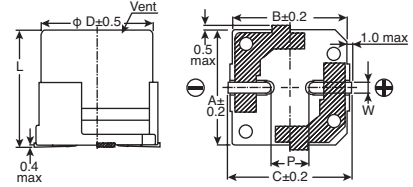
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (μF)	Case Size	Impedance (Ω) 100KHz, 20°C	Ripple Current	Price Each		
						1	100	500
6.3 Volts								
140-VLV222M0JTRG1313	VLV222M0JTRG1313	2200	12.5 x 13.5	.066	850			
140-VLV332M0JTRG1316	VLV332M0JTRG1316	3300	12.5 x 16	.058	950			
140-VLV472M0JTRG1616	VLV472M0JTRG1616	4700	16 x 16.5	.052	1300			
10 Volts								
140-VLV152M1ATR1313	VLV152M1ATR1313	1500	12.5 x 13.5	.066	850			
140-VLV222M1ATR1316	VLV222M1ATR1316	2200	12.5 x 16	.058	950			
140-VLV332M1ATR1616	VLV332M1ATR1616	3300	16 x 16.5	.052	1300			
140-VLV472M1ATR1616	VLV472M1ATR1616	4700	16 x 16.5	.052	1300			
16 Volts								
140-VLV102M1CTR1313	VLV102M1CTR1313	1000	12.5 x 13.5	.066	850			
140-VLV152M1CTR1316	VLV152M1CTR1316	1500	12.5 x 16	.058	950			
140-VLV222M1CTR1616	VLV222M1CTR1616	2200	16 x 16.5	.052	1300			
140-VLV332M1CTR1616	VLV332M1CTR1616	3300	16 x 16.5	.052	1300			
25 Volts								
140-VLV681M1ETR1313	VLV681M1ETR1313	680	12.5 x 13.5	.066	850			
140-VLV102M1ETR1316	VLV102M1ETR1316	1000	12.5 x 16	.058	950			
140-VLV152M1ETR1616	VLV152M1ETR1616	1500	16 x 16.5	.052	1300			
140-VLV222M1ETR1616	VLV222M1ETR1616	2200	16 x 16.5	.052	1300			
35 Volts								
140-VLV331M1VTRG1313	VLV331M1VTRG1313	330	12.5 x 13.5	.066	850			
140-VLV471M1VTRG1316	VLV471M1VTRG1316	470	12.5 x 16	.058	950			
140-VLV681M1VTRG1616	VLV681M1VTRG1616	680	12.5 x 16	.058	950			
140-VLV102M1VTRG1616	VLV102M1VTRG1616	1000	16 x 16.5	.052	1300			
50 Volts								
140-VLV331M1HTRG1313	VLV331M1HTRG1313	330	12.5 x 13.5	.110	700			
140-VLV471M1HTRG1616	VLV471M1HTRG1616	470	16 x 16.5	.070	1100			
140-VLV681M1HTRG1616	VLV681M1HTRG1616	680	16 x 16.5	.070	1100			
63 Volts								
140-VLV151M1JTRG1313	VLV151M1JTRG1313	150	12.5 x 13.5	.140	700			
140-VLV221M1JTRG1316	VLV221M1JTRG1316	220	12.5 x 16	.140	700			
140-VLV331M1JTRG1616	VLV331M1JTRG1616	330	16 x 16.5	.080	900			
140-VLV471M1JTRG1616	VLV471M1JTRG1616	470	16 x 16.5	.080	900			
80 Volts								
140-VLV151M1KTRG1313	VLV151M1KTRG1313	150	12.5 x 13.5	.320	450			
140-VLV221M1KTRG1316	VLV221M1KTRG1316	220	12.5 x 16	.260	550			
140-VLV331M1KTRG1616	VLV331M1KTRG1616	330	16 x 16.5	.170	650			
100 Volts								
140-VLV101M2ATR1313	VLV101M2ATR1313	100	12.5 x 13.5	.320	450			
140-VLV151M2ATR1316	VLV151M2ATR1316	150	12.5 x 16	.260	550			
140-VLV221M2ATR1616	VLV221M2ATR1616	220	16 x 16.5	.170	650			

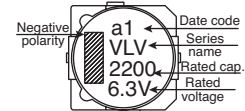
DIMENSIONS: mm

DIAGRAM OF DIMENSIONS



MARKING

φD ≥ 12.5mm



φD	L	A	B	C	W	P ± 0.2
12.5	13.5 ± 0.5	13.0	13.4	15.4	1.1 ~ 1.4	4.4
12.5	16 ± 0.5	13.0	13.4	15.4	1.1 ~ 1.4	4.4
16	16.5 ± 0.5	16.5	16.9	18.9	1.1 ~ 1.4	6.4

VLW 125°C SMD ANTI-VIBRATION SERIES

Specifications:

- Operating Temperature Range: 40°C to 125°C
- Voltage Range: 10V ~ 50V
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Endurance: 2000 hours @ 125°C

Features:

- 12.5 ~ 16φ, 125°C, 2,000 hours assured
- Suitable for automotive application
- Peak acceleration: 50G
- RoHS Compliance



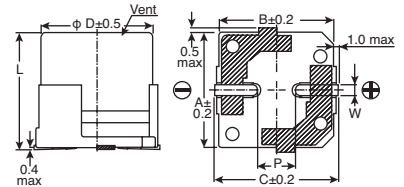
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (μF)	Case Size	Ripple Current	Price Each			
					1	100	500	
10 Volts								
140-VLW471M1ATR1313	VLW471M1ATR1313	470	12.5 x 13.5	500				
140-VLW681M1ATR1316	VLW681M1ATR1316	680	12.5 x 13.5	500				
140-VLW102M1ATR1316	VLW102M1ATR1316	1000	12.5 x 16	600				
140-VLW152M1ATR1316	VLW152M1ATR1316	1500	12.5 x 16	600				
140-VLW222M1ATR1616	VLW222M1ATR1616	2200	16 x 16.5	680				
16 Volts								
140-VLW331M1CTR1313	VLW331M1CTR1313	330	12.5 x 13.5	500				
140-VLW471M1CTR1316	VLW471M1CTR1316	470	12.5 x 16	500				
140-VLW681M1CTR1316	VLW681M1CTR1316	680	12.5 x 13.5	500				
140-VLW102M1CTR1316	VLW102M1CTR1316	1000	12.5 x 16	600				
140-VLW152M1CTR1616	VLW152M1CTR1616	1500	16 x 16.5	680				
25 Volts								
140-VLW331M1ETR1313	VLW331M1ETR1313	330	12.5 x 13.5	500				
140-VLW471M1ETR1316	VLW471M1ETR1316	470	12.5 x 16	500				
140-VLW681M1ETR1316	VLW681M1ETR1316	680	12.5 x 13.5	500				
140-VLW102M1ETR1616	VLW102M1ETR1616	1000	16 x 16.5	680				
35 Volts								
140-VLW221M1VTRG1313	VLW221M1VTRG1313	220	12.5 x 13.5	380				
140-VLW331M1VTRG1616	VLW331M1VTRG1616	330	16 x 16.5	680				
140-VLW471M1VTRG1616	VLW471M1VTRG1616	470	16 x 16.5	680				
140-VLW681M1VTRG1616	VLW681M1VTRG1616	680	16 x 16.5	680				
50 Volts								
140-VLW101M1HTRG1313	VLW101M1HTRG1313	100	12.5 x 13.5	380				
140-VLW221M1HTRG1316	VLW221M1HTRG1316	220	12.5 x 16	430				
140-VLW331M1HTRG1616	VLW331M1HTRG1616	330	16 x 16.5	680				
140-VLW471M1HTRG1616	VLW471M1HTRG1616	470	16 x 16.5	680				

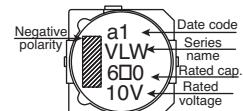
DIMENSIONS: mm

DIAGRAM OF DIMENSIONS



MARKING

φD ≥ 12.5mm



φD	L	A	B	C	W	P ± 0.2
5	5.7 ± 0.3	5.3	5.3	6.1	0.5 ~ 0.8	1.5
6.3	5.7 ± 0.3	6.6	6.6	7.4	0.5 ~ 0.8	2.0
8	10 ± 0.5	8.4	8.4	9.2	0.7 ~ 1.1	3.1

LELON SMD Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

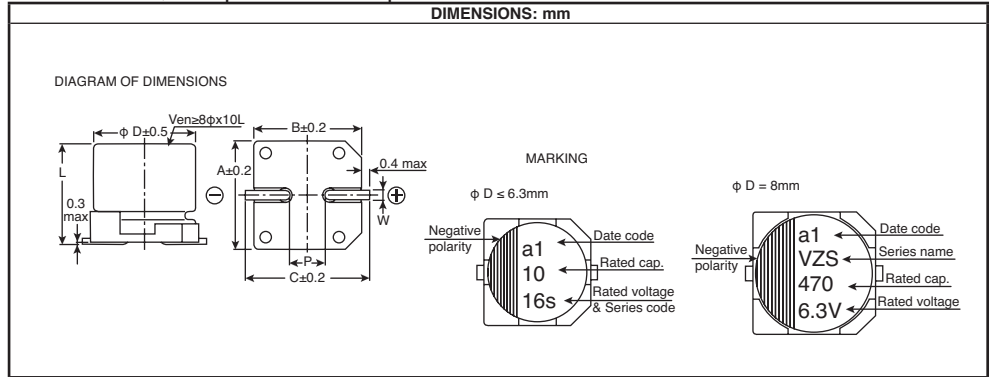
VZS 105°C SMD SERIES

- Specifications:**
- Operating Temperature Range: 55°C to 105°C
 - Voltage Range: 6.3V ~ 35V



RoHS Compliant

- Features:**
- 5 ~ 8φ, 105°C, 2,000 hours assured
 - Low impedance 30 ~ 50% less than VZH series
 - Large capacitance with ultra low impedance capacitors
 - Designed for surface mounting on high density PC board
 - RoHS Compliance



Lead Spacing and Diameter						
φD	L	A	B	C	W	P ± 0.2
5	5.7 ± 0.3	5.3	5.3	6.1	0.5 ~ 0.8	1.5
6.3	5.7 ± 0.3	6.6	6.6	7.4	0.5 ~ 0.8	2.0
8	10 ± 0.5	8.4	8.4	9.2	0.7 ~ 1.1	3.1

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (μF)	Case Size	Impedance (Ω) 100KHz, 20°C	Price Each		
					1	100	500
6.3 Volts							
140-VZS470M0JTR0506	VZS470M0JTR-0506	47	5 x 5.7	.36			
140-VZS101M0JTR0506	VZS101M0JTR-0506	100	5 x 5.7	.36			
140-VZS101M0JTR0606	VZS101M0JTR-0606	100	6.3 x 5.7	.26			
140-VZS151M0JTR0506	VZS151M0JTR-0506	150	5 x 5.7	.36			
140-VZS221M0JTR0606	VZS221M0JTR-0606	220	6.3 x 5.7	.26			
140-VZS331M0JTR0606	VZS331M0JTR-0606	330	6.3 x 5.7	.26			
140-VZS471M0JTR0810	VZS471M0JTR-0810	470	8 x 10	.08			
140-VZS681M0JTR0810	VZS681M0JTR-0810	680	8 x 10	.08			
10 Volts							
140-VZS330M1ATR0506	VZS330M1ATR-0506	33	5 x 5.7	.36			
140-VZS101M1ATR0506	VZS101M1ATR-0506	100	5 x 5.7	.36			
140-VZS151M1ATR0606	VZS151M1ATR-0606	150	6.3 x 5.7	.26			
140-VZS221M1ATR0606	VZS221M1ATR-0606	220	6.3 x 5.7	.26			
140-VZS331M1ATR0810	VZS331M1ATR-0810	330	8 x 10	.08			
140-VZS471M1ATR0810	VZS471M1ATR-0810	470	8 x 10	.08			
140-VZS681M1ATR0810	VZS681M1ATR-0810	680	8 x 10	.08			
16 Volts							
140-VZS220M1CTR0506	VZS220M1CTR-0506	22	5 x 5.7	.36			
140-VZS470M1CTR0506	VZS470M1CTR-0506	47	5 x 5.7	.36			
140-VZS470M1CTR0606	VZS470M1CTR-0606	47	6.3 x 5.7	.26			
140-VZS680M1CTR0506	VZS680M1CTR-0506	68	5 x 5.7	.36			
140-VZS680M1CTR0606	VZS680M1CTR-0606	68	6.3 x 5.7	.26			
140-VZS101M1CTR0606	VZS101M1CTR-0606	100	6.3 x 5.7	.26			
140-VZS151M1CTR0606	VZS151M1CTR-0606	150	6.3 x 5.7	.26			

MOUSER STOCK NO.	Lelon Part No.	Value (μF)	Case Size	Impedance (Ω) 100KHz, 20°C	Price Each		
					1	100	500
16 Volts (Cont.)							
140-VZS221M1CTR0810	VZS221M1CTR-0810	220	8 x 10	.08			
140-VZS331M1CTR0810	VZS331M1CTR-0810	330	8 x 10	.08			
140-VZS471M1CTR0810	VZS471M1CTR-0810	470	8 x 10	.08			
25 Volts							
140-VZS220M1ETR0506	VZS220M1ETR-0506	22	5 x 5.7	.36			
140-VZS330M1ETR0506	VZS330M1ETR-0506	33	5 x 5.7	.36			
140-VZS330M1ETR0606	VZS330M1ETR-0606	33	6.3 x 5.7	.26			
140-VZS470M1ETR0506	VZS470M1ETR-0506	47	5 x 5.7	.36			
140-VZS470M1ETR0606	VZS470M1ETR-0606	47	6.3 x 5.7	.26			
140-VZS680M1ETR0606	VZS680M1ETR-0606	68	6.3 x 5.7	.26			
140-VZS101M1ETR0606	VZS101M1ETR-0606	100	6.3 x 5.7	.26			
140-VZS151M1ETR0810	VZS151M1ETR-0810	150	8 x 10	.08			
140-VZS221M1ETR0810	VZS221M1ETR-0810	220	8 x 10	.08			
140-VZS331M1ETR0810	VZS331M1ETR-0810	330	8 x 10	.08			
35 Volts							
140-VZS220M1VTR0506	VZS220M1VTR-0506	22	5 x 5.7	.36			
140-VZS330M1VTR0506	VZS330M1VTR-0506	33	5 x 5.7	.36			
140-VZS330M1VTR0606	VZS330M1VTR-0606	33	6.3 x 5.7	.26			
140-VZS470M1VTR0606	VZS470M1VTR-0606	47	6.3 x 5.7	.26			
140-VZS680M1VTR0606	VZS680M1VTR-0606	68	6.3 x 5.7	.26			
140-VZS101M1VTR0810	VZS101M1VTR-0810	100	8 x 10	.08			
140-VZS151M1VTR0810	VZS151M1VTR-0810	150	8 x 10	.08			
140-VZS221M1VTR0810	VZS221M1VTR-0810	220	8 x 10	.08			

VUA 125°C SMD SERIES

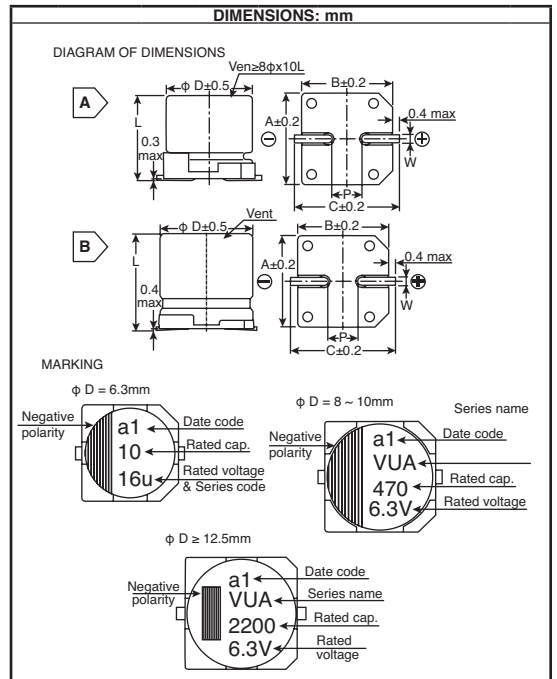
- Specifications:**
- Operating Temperature Range: 40°C to 125°C
 - Voltage Range: 10V ~ 35V
 - Capacitance Tolerance: ±20% @ 120Hz, 20°C

- Features:**
- 6.3 ~ 18φ, 125°C, 1,000 ~ 2,000 hours assured
 - Chip type high temperature range, for +125°C use
 - For automobile modules and other high temperature applications
 - RoHS Compliance



RoHS Compliant For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Fig.	Value (μF)	Case Size	Ripple Current	Price Each		
						1	100	500
10 Volts								
140-VUA680M1ATR0606	VUA680M1ATR-0606	A	68	6.3 x 5.7	50			
140-VUA101M1ATR0806	VUA101M1ATR-0806	A	100	8 x 6.5	75			
140-VUA221M1ATR0810	VUA221M1ATR-0810	A	220	8 x 10	130			
140-VUA331M1ATR0810	VUA331M1ATR-0810	A	330	8 x 10	130			
140-VUA471M1ATR1313	VUA471M1ATR-1313	B	470	12.5 x 13.5	480			
140-VUA681M1ATR1316	VUA681M1ATR-1316	B	680	12.5 x 16	480			
140-VUA102M1ATR1316	VUA102M1ATR-1316	B	1000	12.5 x 16	585			
16 Volts								
140-VUA330M1CTR0606	VUA330M1CTR-0606	A	33	6.3 x 5.7	50			
140-VUA470M1CTR0607	VUA470M1CTR-0607	A	47	6.3 x 7.7	70			
140-VUA680M1CTR0806	VUA680M1CTR-0806	A	68	8 x 6.5	75			
140-VUA101M1CTR0806	VUA101M1CTR-0806	A	100	8 x 6.5	75			
140-VUA221M1CTR1010	VUA221M1CTR-1010	A	220	10 x 10	180			
140-VUA331M1CTR1313	VUA331M1CTR-1313	B	330	12.5 x 13.5	80			
140-VUA471M1CTR1313	VUA471M1CTR-1313	B	470	12.5 x 13.5	480			
140-VUA681M1CTR1616	VUA681M1CTR-1616	B	680	16 x 16.5	480			
25 Volts								
140-VUA330M1ETR0606	VUA330M1ETR-0606	A	33	6.3 x 5.7	50			
140-VUA470M1ETR0607	VUA470M1ETR-0607	A	47	6.3 x 7.7	70			
140-VUA680M1ETR0806	VUA680M1ETR-0806	A	68	8 x 6.5	75			
140-VUA101M1ETR0810	VUA101M1ETR-0810	A	100	8 x 10	130			
140-VUA221M1ETR1010	VUA221M1ETR-1010	A	220	10 x 10	180			
140-VUA331M1ETR1313	VUA331M1ETR-1313	B	330	12.5 x 13.5	480			
140-VUA471M1ETR1616	VUA471M1ETR-1616	B	470	16 x 16.5	480			
35 Volts								
140-VUA220M1VTR0606	VUA220M1VTR-0606	A	22	6.3 x 5.7	50			
140-VUA330M1VTR0607	VUA330M1VTR-0607	A	33	6.3 x 7.7	70			
140-VUA470M1VTR0806	VUA470M1VTR-0806	A	47	8 x 6.5	75			
140-VUA680M1VTR0810	VUA680M1VTR-0810	A	68	8 x 10	130			
140-VUA101M1VTR1010	VUA101M1VTR-1010	A	100	10 x 10	180			
140-VUA221M1VTR1313	VUA221M1VTR-1313	B	220	12.5 x 13.5	357			
140-VUA331M1VTR1616	VUA331M1VTR-1616	B	330	16 x 16.5	650			
140-VUA471M1VTR1616	VUA471M1VTR-1616	B	470	16 x 16.5	650			



Lead Spacing and Diameter								
φD	L	A	B	C	W	P ± 0.2	Fig.	
6.3	5.7 ± 0.3	6.6	6.6	7.4	.05 ~ 0.8	2.0	A	
6.3	7.7 ± 0.3	6.6	6.6	7.4	0.5 ~ 0.8	2.0	A	
8	6.5 ± 0.3	8.4	8.4	9.2	0.5 ~ 0.8	2.3	A	
8	10 ± 0.5	8.4	8.4	9.2	0.7 ~ 1.1	3.1	A	
10	10 ± 0.5	10.4	10.4	11.2	0.7 ~ 1.1	4.7	A	
12.5	13.5 ± 0.5	13.0	13.0	15.0	1.1 ~ 1.4	4.4	B	
12.5	16 ± 0.5	13.0	13.0	15.0	1.1 ~ 1.4	4.4	B	
16	16.5 ± 0.5	17.0	17.0	19.0	1.1 ~ 1.4	6.4	B	
18	16.5 ± 0.5	19.0	19.0	21.0	1.1 ~ 1.4	6.4	B	

LELON SMD Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

VEJ 105°C SMD SERIES

Features:

- Designed for surface mounting on a high density PC board
- Applicable for auto insertion machines
- RoHS Compliant

Specifications:

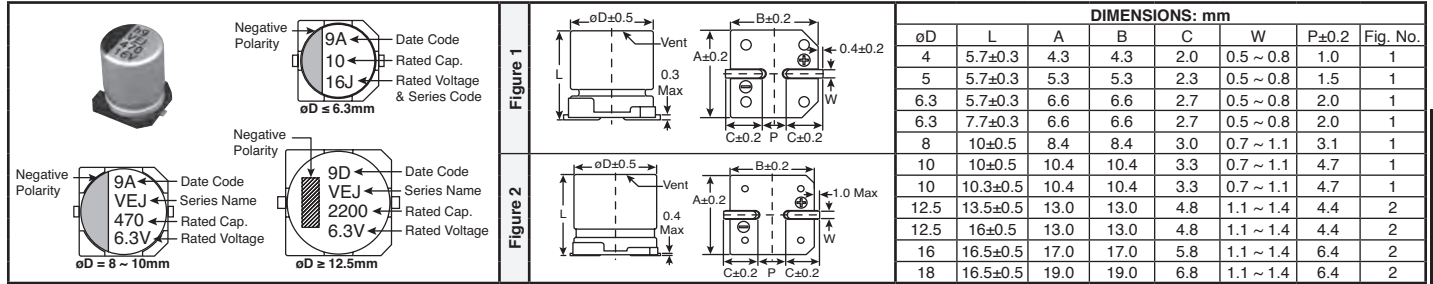
- Operating temperature range: -55°C to +105°C
- Voltage range: 6.3V ~ 450V
- Capacitance tolerance: ±20% @120Hz, 20°C
- Endurance: 2,000 hours @ 105°C

Application Note:

- A higher voltage capacitor may be used in a lower voltage application
- Parts available on reels



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size D x L (mm)	Ripple (mA)	Price Each		
					1	100	500
6.3 Volts							
140-VEJ220M0JTR0406	VEJ-220M0JTR-0406	22	4 x 5.7	22			
140-VEJ330M0JTR0506	VEJ-330M0JTR-0506	33	5 x 5.7	34			
140-VEJ470M0JTR0506	VEJ-470M0JTR-0506	47	5 x 5.7	38			
140-VEJ101M0JTR0606	VEJ-101M0JTR-0606	100	6.3 x 5.7	69			
140-VEJ221M0JTR0607	VEJ-221M0JTR-0607	220	6.3 x 7.7	120			
140-VEJ331M0JTR0810	VEJ-331M0JTR-0810	330	8 x 10	290			
140-VEJ471M0JTR0810	VEJ-471M0JTR-0810	470	8 x 10	320			
140-VEJ102M0JTR1010	VEJ-102M0JTR-1010	1000	10 x 10	410			
140-VEJ222M0JTR1313	VEJ-222M0JTR-1313	2200	12.5 x 13.5	680			
140-VEJ332M0JTR1316	VEJ-332M0JTR-1316	3300	12.5 x 16	850			
140-VEJ472M0JTR1616	VEJ-472M0JTR-1616	4700	16 x 16.5	1000			
140-VEJ682M0JTR1816	VEJ-682M0JTR-1816	6800	18 x 16.5	1290			
10 Volts							
140-VEJ220M1ATR0406	VEJ-220M1ATR-0406	22	4 x 5.7	22			
140-VEJ330M1ATR0506	VEJ-330M1ATR-0506	33	5 x 5.7	34			
140-VEJ470M1ATR0506	VEJ-470M1ATR-0506	47	5 x 5.7	38			
140-VEJ101M1ATR0606	VEJ-101M1ATR-0606	100	6.3 x 5.7	69			
140-VEJ221M1ATR0607	VEJ-221M1ATR-0607	220	6.3 x 7.7	120			
140-VEJ331M1ATR0810	VEJ-331M1ATR-0810	330	8 x 10	290			
140-VEJ471M1ATR0810	VEJ-471M1ATR-0810	470	8 x 10	320			
140-VEJ102M1ATR1010	VEJ-102M1ATR-1010	1000	10 x 10.3	410			
140-VEJ222M1ATR1313	VEJ-222M1ATR-1313	2200	12.5 x 13.5	680			
140-VEJ332M1ATR1616	VEJ-332M1ATR-1616	3300	16 x 16.5	950			
140-VEJ472M1ATR1616	VEJ-472M1ATR-1616	4700	16 x 16.5	1000			
16 Volts							
140-VEJ100M1CTR0406	VEJ-100M1CTR-0406	10	4 x 5.7	20			
140-VEJ220M1CTR0506	VEJ-220M1CTR-0506	22	5 x 5.7	30			
140-VEJ330M1CTR0506	VEJ-330M1CTR-0506	33	5 x 5.7	34			
140-VEJ470M1CTR0606	VEJ-470M1CTR-0606	47	6.3 x 5.7	48			
140-VEJ101M1CTR0606	VEJ-101M1CTR-0606	100	6.3 x 5.7	69			
140-VEJ221M1CTR0607	VEJ-221M1CTR-0607	220	6.3 x 7.7	12			
140-VEJ331M1CTR0810	VEJ-331M1CTR-0810	330	8 x 10	290			
140-VEJ471M1CTR1010	VEJ-471M1CTR-1010	470	10 x 10	380			
140-VEJ102M1CTR1313	VEJ-102M1CTR-1313	1000	12.5 x 13.5	510			
140-VEJ222M1CTR1616	VEJ-222M1CTR-1616	2200	16 x 16.5	900			
140-VEJ332M1CTR1616	VEJ-332M1CTR-1616	3300	16 x 16.5	950			
25 Volts							
140-VEJ4R7M1ETR0406	VEJ-4R7M1ETR-0406	4.7	4 x 5.7	17			
140-VEJ100M1ETR0406	VEJ-100M1ETR-0406	10	4 x 5.7	20			
140-VEJ220M1ETR0506	VEJ-220M1ETR-0506	22	5 x 5.7	30			
140-VEJ330M1ETR0606	VEJ-330M1ETR-0606	33	6.3 x 5.7	46			
140-VEJ470M1ETR0606	VEJ-470M1ETR-0606	47	6.3 x 5.7	48			
140-VEJ101M1ETR0607	VEJ-101M1ETR-0607	100	6.3 x 7.7	100			
140-VEJ221M1ETR0810	VEJ-221M1ETR-0810	220	8 x 10	270			
140-VEJ331M1ETR0810	VEJ-331M1ETR-0810	330	8 x 10	290			
140-VEJ471M1ETR1010	VEJ-471M1ETR-1010	470	10 x 10	380			
140-VEJ102M1ETR1316	VEJ-102M1ETR-1316	1000	12.5 x 16	550			
140-VEJ222M1ETR1616	VEJ-222M1ETR-1616	2200	16 x 16.5	900			
35 Volts							
140-VEJ4R7M1VTR0406	VEJ-4R7M1VTR-0406	4.7	4 x 5.7	17			
140-VEJ100M1VTR0506	VEJ-100M1VTR-0506	10	5 x 5.7	27			
140-VEJ220M1VTR0606	VEJ-220M1VTR-0606	22	6.3 x 5.7	44			
140-VEJ330M1VTR0606	VEJ-330M1VTR-0606	33	6.3 x 5.7	46			
140-VEJ470M1VTR0607	VEJ-470M1VTR-0607	47	6.3 x 7.7	80			
140-VEJ101M1VTR0810	VEJ-101M1VTR-0810	100	8 x 10	240			
140-VEJ221M1VTR0810	VEJ-221M1VTR-0810	220	8 x 10	270			
140-VEJ331M1VTR1010	VEJ-331M1VTR-1010	330	10 x 10	370			
140-VEJ471M1VTR1313	VEJ-471M1VTR-1313	470	12.5 x 13.5	520			
140-VEJ102M1VTR1616	VEJ-102M1VTR-1616	1000	16 x 16.5	800			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size D x L (mm)	Ripple (mA)	Price Each		
					1	100	500
50 Volts							
140-VEJR22M1HTR0406	VEJ-R22M1HTR-0406	0.22	4 x 5.7	3			
140-VEJR33M1HTR0406	VEJ-R33M1HTR-0406	0.33	4 x 5.7	4			
140-VEJR47M1HTR0406	VEJ-R47M1HTR-0406	0.47	4 x 5.7	5			
140-VEJ010M1HTR0406	VEJ-010M1HTR-0406	1	4 x 5.7	8			
140-VEJ2R2M1HTR0406	VEJ-2R2M1HTR-0406	2.2	4 x 5.7	12			
140-VEJ3R3M1HTR0406	VEJ-3R3M1HTR-0406	3.3	4 x 5.7	14			
140-VEJ4R7M1HTR0506	VEJ-4R7M1HTR-0506	4.7	5 x 5.7	20			
140-VEJ100M1HTR0606	VEJ-100M1HTR-0606	10	6.3 x 5.7	32			
140-VEJ220M1HTR0606	VEJ-220M1HTR-0606	22	6.3 x 5.7	38			
140-VEJ330M1HTR0607	VEJ-330M1HTR-0607	33	6.3 x 7.7	65			
140-VEJ470M1HTR0607	VEJ-470M1HTR-0607	47	6.3 x 7.7	70			
140-VEJ101M1HTR0810	VEJ-101M1HTR-0810	100	8 x 10	210			
140-VEJ221M1HTR1010	VEJ-221M1HTR-1010	220	10 x 10.3	330			
140-VEJ331M1HTR1313	VEJ-331M1HTR-1313	330	12.5 x 13.5	490			
140-VEJ471M1HTR1316	VEJ-471M1HTR-1316	470	12.5 x 16	550			
63 Volts							
140-VEJR47M1JTR0406	VEJ-R47M1JTR-0406	0.47	4 x 5.7	5			
140-VEJ010M1JTR0406	VEJ-010M1JTR-0406	1	4 x 5.7	8			
140-VEJ2R2M1JTR0406	VEJ-2R2M1JTR-0406	2.2	4 x 5.7	12			
140-VEJ3R3M1JTR0506	VEJ-3R3M1JTR-0506	3.3	5 x 5.7	17			
140-VEJ4R7M1JTR0606	VEJ-4R7M1JTR-0606	4.7	6.3 x 5.7	22			
140-VEJ100M1JTR0606	VEJ-100M1JTR-0606	10	6.3 x 5.7	32			
140-VEJ220M1JTR0607	VEJ-220M1JTR-0607	22	6.3 x 7.7	58			
140-VEJ330M1JTR0810	VEJ-330M1JTR-0810	33	8 x 10	140			
140-VEJ470M1JTR0810	VEJ-470M1JTR-0810	47	8 x 10	170			
140-VEJ101M1JTR1010	VEJ-101M1JTR-1010	100	10 x 10.3	310			
140-VEJ221M1JTR1313	VEJ-221M1JTR-1313	220	12.5 x 13.5	470			
140-VEJ331M1JTR1616	VEJ-331M1JTR-1616	330	16 x 16.5	650			
140-VEJ471M1JTR1616	VEJ-471M1JTR-1616	470	16 x 16.5	700			
100 Volts							
140-VEJ220M2ATR1010	VEJ-220M2ATR-0810	22	8 x 10	100			
140-VEJ330M2ATR1010	VEJ-330M2ATR-1010	33	10 x 10	150			
140-VEJ470M2ATR1313	VEJ-470M2ATR-1313	47	12.5 x 13.5	250			
140-VEJ101M2ATR1313	VEJ-101M2ATR-1313	100	12.5 x 13.5	380			
140-VEJ221M2ATR1616	VEJ-221M2ATR-1616	220	16 x 16.5	450			
160 Volts							
140-VEJ330M2CTR1313	VEJ-330M2CTR-1313	33	12.5 x 13.5	95			
140-VEJ470M2CTR1616	VEJ-470M2CTR-1616	47	16 x 16	240			
140-VEJ101M2CTR1616	VEJ-101M2CTR-1616	100	16 x 16.5	250			
200 Volts							
140-VEJ100M2DTR1313	VEJ-100M2DTR-1313	10	12.5 x 13.5	80			
140-VEJ220M2DTR1316	VEJ-220M2DTR-1316	22	12.5 x 16	110			
140-VEJ330M2DTR1316	VEJ-330M2DTR-1316	33	12.5 x 16	120			
140-VEJ470M2DTR1616	VEJ-470M2DTR-1616	47	16 x 16.5	220			
250 Volts							
140-VEJ3R3M2ETR1313	VEJ-3R3M2ETR-1313	3.3	12.5 x 13.5	60			
140-VEJ4R7M2ETR1313	VEJ-4R7M2ETR-1313	4.7	12.5 x 13.5	65			
140-VEJ100M2ETR1313	VEJ-100M2ETR-1313	10	12.5 x 13.5	70			
140-VEJ220M2ETR1313	VEJ-220M2ETR-1313	22	12.5 x 13.5	105			
140-VEJ330M2ETR1616	VEJ-330M2ETR-1616	33	16 x 16.5	180			
140-VEJ470M2ETR1616	VEJ-470M2ETR-1616	47	16 x 16.5	220			
400 Volts							
140-VEJ4R7M2GTR1313	VEJ-4R7M2GTR-1313	4.7	12.5 x 13.5	45			
140-VEJ100M2GTR1313	VEJ-100M2GTR-1313	10	12.5 x 13.5	50			
140-VEJ220M2GTR1616	VEJ-220M2GTR-1616	22	16 x 16.5	85			
450 Volts							
140-VEJ3R3M2WTR1313	VEJ-3R3M2WTR-1313	3.3	12.5 x 13.5	40			
140-VEJ4R7M2WTR1313	VEJ-4R7M2WTR-1313	4.7	12.5 x 13.5	45			
140-VEJ100M2WTR1316	VEJ-100M2WTR-1316	10	12.5 x 16	75			

NICHICON Aluminum Electrolytic Capacitors

nichicon



This product is RoHS compliant.

CB SERIES CHIP TYPE, LONG LIFE ASSURANCE

Specifications:

- Operating temperature range: -25°C ~ +105°C
- Voltage range: 6.3V to 50V
- Capacitance range: 0.1μF to 1000μF
- Capacitance tolerance: ±20% at 120Hz/20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.03 CV or 4 (μA), whichever is greater
- Endurance: 7000 hours at 105°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Fig.	Value (μF)	Case Size DxL (mm)	Price Each		Reel Quantity	Price Per Piece
					1	100		
6.3 Volts								
647-UCB0J220MCL1GS	UCB0J220MCL1GS	A	22	4x7			1500	
647-UCB0J470MCL1GS	UCB0J470MCL1GS	A	47	5x7			1000	
647-UCB0J101MCL1GS	UCB0J101MCL1GS	A	100	6.3x7			1000	
647-UCB0J221MCL1GS	UCB0J221MCL1GS	A	220	6.3x8.7			800	
647-UCB0J331MNL1GS	UCB0J331MNL1GS	B	330	8x10			500	
647-UCB0J102MNL1GS	UCB0J102MNL1GS	B	1000	10x10			500	
10 Volts								
647-UCB1A330MCL1GS	UCB1A330MCL1GS	A	33	5x7			1000	
647-UCB1A221MNL1GS	UCB1A221MNL1GS	B	220	8x10			500	
16 Volts								
647-UCB1C100MCL1GS	UCB1C100MCL1GS	A	10	4x7			1500	
647-UCB1C220MCL1GS	UCB1C220MCL1GS	A	22	5x7			1000	
647-UCB1C470MCL1GS	UCB1C470MCL1GS	A	47	6.3x7			1000	
647-UCB1C101MCL1GS	UCB1C101MCL1GS	A	100	6.3x8.7			800	
647-UCB1C471MNL1GS	UCB1C471MNL1GS	B	470	10x10			500	
25 Volts								
647-UCB1E330MCL1GS	UCB1E330MCL1GS	A	33	6.3x7			1000	
647-UCB1E470MCL1GS	UCB1E470MCL1GS	A	47	6.3x8.7			800	
647-UCB1E101MNL1GS	UCB1E101MNL1GS	B	100	8x10			500	
35 Volts								
647-UCB1V0R1MCL1GS	UCB1V0R1MCL1GS	A	0.1	4x7			1500	
647-UCB1VR33MCL1GS	UCB1VR33MCL1GS	A	0.33	4x7			1500	
647-UCB1V2R2MCL1GS	UCB1V2R2MCL1GS	A	2.2	4x7			1500	
647-UCB1V3R3MCL1GS	UCB1V3R3MCL1GS	A	3.3	4x7			1500	
647-UCB1V4R7MCL1GS	UCB1V4R7MCL1GS	A	4.7	4x7			1500	
647-UCB1V010MCL1GS	UCB1V010MCL1GS	A	1	4x7			1500	
647-UCB1V100MCL1GS	UCB1V100MCL1GS	A	10	5x7			1000	
647-UCB1V220MCL1GS	UCB1V220MCL1GS	A	22	6.3x7			1000	
647-UCB1V330MCL1GS	UCB1V330MCL1GS	A	33	6.3x8.7			800	
50 Volts								
647-UCB1H330MNL1GS	UCB1H330MNL1GS	B	33	8x10			500	
647-UCB1H470MNL1GS	UCB1H470MNL1GS	B	47	8x10			500	
647-UCB1H101MNL1GS	UCB1H101MNL1GS	B	100	10x10			500	

UB SERIES CHIP TYPE, 125°C HIGH RELIABILITY

Specifications:

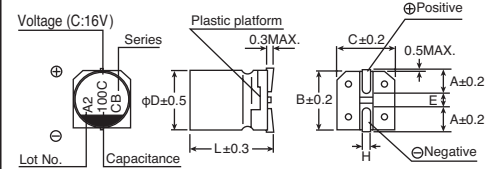
- Operating temperature range: -40°C ~ +125°C
- Voltage range: 10V to 400V
- Capacitance range: 1μF to 330μF
- Capacitance tolerance: ±20% at 120Hz/20°C
- Endurance: 2000 hours (1000 hours for 8 x 6) at 125°C

For quantities greater than listed, call for quote.

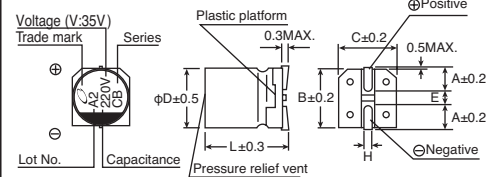
MOUSER STOCK NO.	Nichicon Part No.	Fig.	Value (μF)	Case Size DxL (mm)	Price Each		Reel Quantity	Price Per Piece
					1	100		
10 Volts								
647-UUB1A101MCL1GS	UUB1A101MCL1GS	C	100	8x6.2			1000	
647-UUB1A221MNL1GS	UUB1A221MNL1GS	D	220	8x10			500	
647-UUB1A331MNL1GS	UUB1A331MNL1GS	D	330	10x10			500	
16 Volts								
647-UUB1C101MNL1GS	UUB1C101MNL1GS	D	100	10x16			500	
647-UUB1C221MNL1GS	UUB1C221MNL1GS	D	220	12.5x20			500	
25 Volts								
647-UUB1E470MCL1GS	UUB1E470MCL1GS	C	47	8x6.2			1000	
647-UUB1E101MNL1GS	UUB1E101MNL1GS	D	100	8x10			500	
647-UUB1E221MNL1GS	UUB1E221MNL1GS	D	220	10x10			500	
50 Volts								
647-UUB1H100MCL1GS	UUB1H100MCL1GS	C	10	8x6.2			1000	
647-UUB1H330MNL1GS	UUB1H330MNL1GS	D	33	8x10			500	
647-UUB1H470MNL1GS	UUB1H470MNL1GS	D	47	10x10			500	
35 Volts								
647-UUB1V330MCL1GS	UUB1V330MCL1GS	C	33	8x6.2			1000	
647-UUB1V470MNL1GS	UUB1V470MNL1GS	D	47	8x10			500	
647-UUB1V101MNL1GS	UUB1V101MNL1GS	D	100	10x10			500	
160 Volts								
647-UUB2C6R8MNL1GS	UUB2C6R8MNL1GS	D	6.8	8x10			500	
647-UUB2C100MNL1GS	UUB2C100MNL1GS	D	10	10x10			500	
200 Volts								
647-UUB2D4R7MNL1GS	UUB2D4R7MNL1GS	D	4.7	8x10			500	
647-UUB2D6R8MNL1GS	UUB2D6R8MNL1GS	D	6.8	10x10			500	
647-UUB2D100MNL1GS	UUB2D100MNL1GS	D	10	10x10			500	
250 Volts								
647-UUB2E3R3MNL1GS	UUB2E3R3MNL1GS	D	3.3	8x10			500	
647-UUB2E4R7MNL1GS	UUB2E4R7MNL1GS	D	4.7	10x10			500	
400 Volts								
647-UUB2G010MNL1GS	UUB2G010MNL1GS	D	1.0	8x10			500	
647-UUB2G1R8MNL1GS	UUB2G1R8MNL1GS	D	1.8	8x10			500	
647-UUB2G2R2MNL1GS	UUB2G2R2MNL1GS	D	2.2	10x10			500	
647-UUB2G3R3MNL1GS	UUB2G3R3MNL1GS	D	3.3	10x10			500	



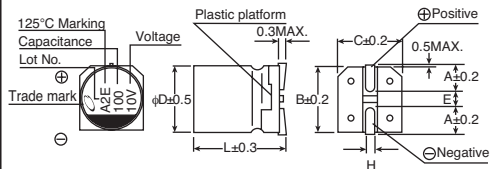
A



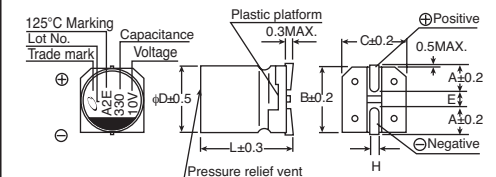
B



C



D



NICHICON Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

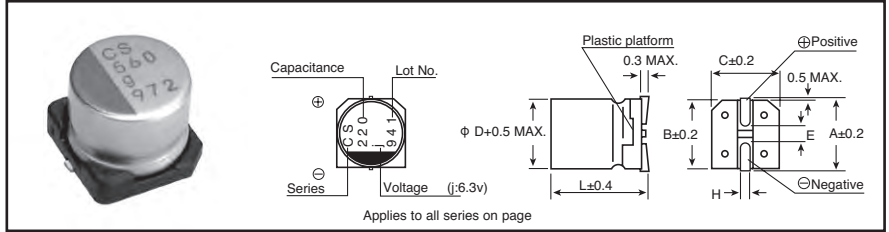
CZ SERIES CHIP TYPE, HIGH RELIABILITY

Features:

- Low temperature ESR specification
- Temperature range for +125°C use
- Added ESR specification after the test at -40°C
- Applicable to automatic mounting machine fed with carrier tape

Specifications:

- Category Temperature Range: -40°C to +125°C
- Rated Voltage Range: 10V to 35V
- Rated Capacitance Range: 47µF to 470µF
- Capacitance Tolerance: ±20% at 120Hz, 20°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Leakage Current (µA)	ESR (mΩ) (at 100kHz 20°C)	Rated Ripple (mArms)	Price Each		
							1	100	500
10 Volts									
647-UCZ1A221MCL1GS	UCZ1A221MCL1GS	220	8 x 10	3	0.20	270			
647-UCZ1A331MCL6GS	UCZ1A331MCL6GS	330	8 x 10	3	0.20	270			
647-UCZ1A331MCL1GS	UCZ1A331MCL1GS	330	10 x 10	2	0.15	500			
647-UCZ1A471MCL1GS	UCZ1A471MCL1GS	470	10 x 10	2	0.15	500			
16 Volts									
647-UCZ1C101MCL6GS	UCZ1C101MCL6GS	100	6.3 x 7.7	5	0.45	197			
647-UCZ1C101MCL1GS	UCZ1C101MCL1GS	100	8 x 10	3	0.20	270			
647-UCZ1C221MCL1GS	UCZ1C221MCL1GS	220	8 x 10	3	0.20	270			
647-UCZ1C331MCL1GS	UCZ1C331MCL1GS	330	10 x 10	2	0.15	500			
647-UCZ1C471MCL1GS	UCZ1C471MCL1GS	470	10 x 10	2	0.15	500			
25 Volts									
647-UCZ1E101MCL1GS	UCZ1E101MCL1GS	100	8 x 10	3	0.20	270			
647-UCZ1E221MCL1GS	UCZ1E221MCL1GS	220	10 x 10	2	0.15	500			
647-UCZ1E331MCL1GS	UCZ1E331MCL1GS	330	10 x 10	2	0.15	500			
35 Volts									
647-UCZ1V470MCL6GS	UCZ1V470MCL6GS	47	6.3 x 7.7	5	0.45	197			
647-UCZ1V470MCL1GS	UCZ1V470MCL1GS	47	8 x 10	3	0.20	270			
647-UCZ1V680MCL1GS	UCZ1V680MCL1GS	68	8 x 10	3	0.20	270			
647-UCZ1V101MCL1GS	UCZ1V101MCL1GS	100	8 x 10	3	0.20	270			
647-UCZ1V221MCL1GS	UCZ1V221MCL1GS	220	10 x 10	2	0.15	500			

CS SERIES CHIP TYPE, LONG LIFE ASSURANCE

Features:

- Load life of 5000 hours at 105°C SMD type: lead free reflow soldering condition at 260°C peak correspondence

Specifications:

- Category Temperature Range: -55°C to +105°C
- Rated Voltage Range: 4V to 16V
- Rated Capacitance Range: 22µF to 560µF
- Capacitance Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Leakage Current (µA)	ESR (mΩ)	Rated Ripple (mArms)	Price Each		
							1	100	500
2.5 Volts									
647-PCS0G151MCL1GS	PCS0G151MCL1GS	150	5 x 6	120	25	2200			
647-PCS0G331MCL1GS	PCS0G331MCL1GS	330	6.3 x 6	264	20	2800			
647-PCS0G331MCL9GS	PCS0G331MCL9GS	330	8 x 7	264	18	3200			
647-PCS0G561MCL1GS	PCS0G561MCL1GS	560	8 x 7	448	22	3600			
6.3 Volts									
647-PCS0J470MCL1GS	PCS0J470MCL1GS	47	5 x 6	100	35	1600			
647-PCS0J101MCL1GS	PCS0J101MCL1GS	100	5 x 6	126	25	2400			
647-PCS0J101MCL9GS	PCS0J101MCL9GS	100	6.3 x 6	126	22	2800			
647-PCS0J121MCL9GS	PCS0J121MCL9GS	121	6.3 x 6	151	22	2800			
647-PCS0J221MCL1GS	PCS0J221MCL1GS	220	6.3 x 6	277	20	2800			
647-PCS0J221MCL9GS	PCS0J221MCL9GS	220	8 x 7	277	22	3200			
647-PCS0J391MCL1GS	PCS0J391MCL1GS	390	8 x 7	491	22	3200			
10 Volts									
647-PCS1A330MCL1GS	PCS1A330MCL1GS	33	5 x 6	100	40	1300			
647-PCS1A560MCL9GS	PCS1A560MCL9GS	56	6.3 x 6	112	27	2300			
647-PCS1A680MCL1GS	PCS1A680MCL1GS	68	5 x 6	136	30	2100			
647-PCS1A121MCL1GS	PCS1A121MCL1GS	120	6.3 x 6	240	27	2300			
647-PCS1A151MCL9GS	PCS1A151MCL9GS	150	8 x 7	300	30	2600			
647-PCS1A271MCL1GS	PCS1A271MCL1GS	270	8 x 7	540	22	3200			
16 Volts									
647-PCS1C220MCL1GS	PCS1C220MCL1GS	22	5 x 6	100	45	1100			
647-PCS1C390MCL1GS	PCS1C390MCL1GS	39	5 x 6	125	35	2000			
647-PCS1C390MCL9GS	PCS1C390MCL9GS	39	6.3 x 6	125	30	2200			
647-PCS1C680MCL1GS	PCS1C680MCL1GS	68	6.3 x 6	218	30	2200			
647-PCS1C820MCL9GS	PCS1C820MCL9GS	82	8 x 7	262	28	2800			
647-PCS1C121MCL1GS	PCS1C121MCL1GS	120	8 x 7	384	28	2800			

CK SERIES CHIP TYPE, ULTRA LOW ESR

Features:

- Ultra low ESR
- Higher Capacitance
- High ripple current
- Load life of 2000 hours at 105°C
- SMD type: lead free reflow soldering condition at 260°C peak correspondence

Specifications:

- Category Temperature Range: -55°C to +105°C
- Rated Voltage Range: 2.5V to 6.3V
- Rated Capacitance Range: 220µF to 2200µF

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Leakage Current (µA)	ESR (mΩ)	Rated Ripple (mArms)	Price Each		
							1	100	500
2.5 Volts									
647-PCK0E391MCO1GS	PCK0E391MCO1GS	390	6.3 x 6	293	10	3900			
647-PCK0E561MCO1GS	PCK0E561MCO1GS	560	8 x 7	420	9	4500			
647-PCK0E681MCO1GS	PCK0E681MCO1GS	680	8 x 7	510	9	4500			
647-PCK0E122MCO1GS	PCK0E122MCO1GS	1200	10 x 8	900	9	5000			
647-PCK0E222MCO1GS	PCK0E222MCO1GS	2200	10 x 10	1650	8	6000			
4 Volts									
647-PCK0G331MCO1GS	PCK0G331MCO1GS	330	6.3 x 6	396	10	3900			
647-PCK0G471MCO1GS	PCK0G471MCO1GS	470	8 x 7	564	9	4500			
647-PCK0G561MCO1GS	PCK0G561MCO1GS	560	8 x 7	672	9	4500			
647-PCK0G102MCO1GS	PCK0G102MCO1GS	1000	10 x 8	1200	9	5000			
647-PCK0G182MCO1GS	PCK0G182MCO1GS	1800	10 x 10	2160	8	6000			
6.3 Volts									
647-PCK0J221MCO1GS	PCK0J221MCO1GS	220	6.3 x 6	416	10	3900			
647-PCK0J331MCO1GS	PCK0J331MCO1GS	330	8 x 7	624	9	4500			
647-PCK0J391MCO1GS	PCK0J391MCO1GS	390	8 x 7	737	9	4500			
647-PCK0J821MCO1GS	PCK0J821MCO1GS	820	10 x 8	1550	9	5000			
647-PCK0J152MCO1GS	PCK0J152MCO1GS	1500	10 x 10	2835	8	6000			

NICHICON Aluminum Electrolytic Capacitors



UBC 150°C HIGH TEMPERATURE SMD SERIES

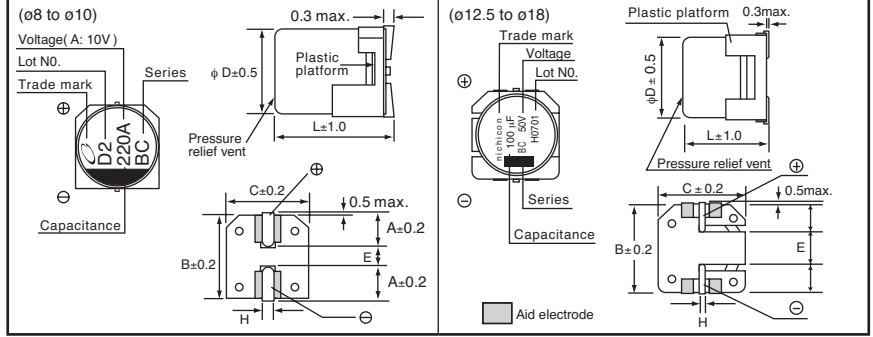
Specifications:

- Operating Temperature Range:
 - 40°C to +150°C (ø8 to 10),
 - 55°C to +150°C (ø12.5 to 18)
- Voltage Range: 10 to 50V
- Tolerance: ±20% at 120Hz, 20°C
- Endurance: 1000 hours at 150°C



DIMENSIONS: mm					
øD	8	10	12.5	16	18
A	2.9	3.2	4.8	5.4	6.4
B	8.3	10.3	13.6	17.1	19.1
C	8.3	10.3	13.6	17.1	19.1
E	3.1	4.5	4.0	6.3	6.3
H	1.1 ~ 1.5	1.1 ~ 1.5	1.0 ~ 1.4	1.0 ~ 1.4	1.0 ~ 1.4

RoHS Compliant This product is RoHS compliant.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm)	Price Each 1 100	Reel Qty.	Price Per Piece
10 Volt						
647-UBC1A221MNS1GS	UBC1A221MNS1GS	220	8 x 10		500	
647-UBC1A331MNS1GS	UBC1A331MNS1GS	330	10 x 10		500	
647-UBC1A681MNS1MS	UBC1A681MNS1MS	680	12.5 x 13.5		200	
647-UBC1A102MNS1MS	UBC1A102MNS1MS	1000	12.5 x 13.5		200	
647-UBC1A222MNS1MS	UBC1A222MNS1MS	2200	18 x 21.5		150	
647-UBC1A332MNS1MS	UBC1A332MNS1MS	3300	18 x 21.5		150	
16 Volt						
647-UBC1C101MNS1GS	UBC1C101MNS1GS	100	8 x 10		500	
647-UBC1C221MNS1GS	UBC1C221MNS1GS	220	10 x 10		500	
647-UBC1C471MNS1MS	UBC1C471MNS1MS	470	12.5 x 13.5		200	
647-UBC1C681MNS1MS	UBC1C681MNS1MS	680	12.5 x 13.5		200	
647-UBC1C222MNS1MS	UBC1C222MNS1MS	2200	18 x 21.5		150	
25 Volt						
647-UBC1E101MNS1GS	UBC1E101MNS1GS	100	10 x 10		500	
647-UBC1E331MNS1MS	UBC1E331MNS1MS	330	12.5 x 13.5		200	
647-UBC1E471MNS1MS	UBC1E471MNS1MS	470	12.5 x 13.5		200	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm)	Price Each 1 100	Reel Qty.	Price Per Piece
25 Volt (Cont.)						
647-UBC1E102MNS1MS	UBC1E102MNS1MS	1000	16 x 21.5		150	
35 Volt						
647-UBC1V470MNS1GS	UBC1V470MNS1GS	47	8 x 10		500	
647-UBC1V101MNS1GS	UBC1V101MNS1GS	100	10 x 10		500	
647-UBC1V221MNS1MS	UBC1V221MNS1MS	220	12.5 x 13.5		200	
647-UBC1V331MNS1MS	UBC1V331MNS1MS	330	12.5 x 13.5		200	
647-UBC1V681MNS1MS	UBC1V681MNS1MS	680	16 x 21.5		150	
647-UBC1V102MNS1MS	UBC1V102MNS1MS	1000	18 x 21.5		150	
50 Volt						
647-UBC1H330MNS1GS	UBC1H330MNS1GS	33	8 x 10		500	
647-UBC1H470MNS1GS	UBC1H470MNS1GS	47	10 x 10		500	
647-UBC1H101MNS1MS	UBC1H101MNS1MS	100	12.5 x 13.5		200	
647-UBC1H331MNS1MS	UBC1H331MNS1MS	330	16 x 21.5		150	
647-UBC1H471MNS1MS	UBC1H471MNS1MS	470	16 x 21.5		150	
647-UBC1H681MNS1MS	UBC1H681MNS1MS	680	18 x 21.5		150	

UUA 105°C LONG LIFE SMD SERIES

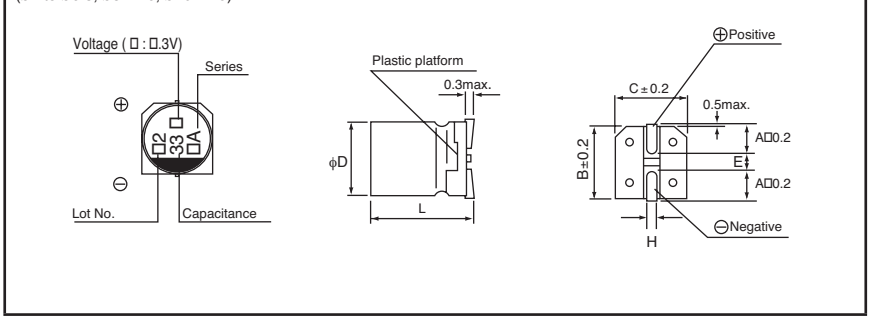
Specifications:

- Operating Temperature Range: -55°C to +105°C
- Voltage Range: 6.3 to 50V
- Tolerance: ±20% at 120Hz, 20°C
- Endurance: 5000 hours (3000 hours for øD=4, 5 and 6.3) at 105°C



DIMENSIONS: mm						
øDxL	4.5 x 5.8	5 x 5.8	6.3 x 5.8	6.3 x 7.7	8 x 10	10 x 10
A	1.8	2.1	2.1	2.1	2.9	3.2
B	4.3	5.3	6.6	6.6	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	10.3
E	1.0	1.3	2.2	2.2	3.1	4.5
L	5.8	5.8	5.8	7.7	10	10
H	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.8 ~ 1.1	0.8 ~ 1.1

(ø4 to ø6.3, ø8 x 10, ø10 x 10)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm)	Price Each 1 100	Reel Qty.	Price Per Piece
6.3 Volt						
647-UUA0J220MCL1GS	UUA0J220MCL1GS	22	4 x 5.8		2000	
647-UUA0J330MCL1GS	UUA0J330MCL1GS	33	5 x 5.8		1000	
647-UUA0J470MCL1GS	UUA0J470MCL1GS	47	5 x 5.8		1000	
647-UUA0J101MCL1GS	UUA0J101MCL1GS	100	6.3 X 5.8		1000	
647-UUA0J221MCL1GS	UUA0J221MCL1GS	220	6.3 x 7.7		900	
647-UUA0J331MNL1GS	UUA0J331MNL1GS	330	8 x 10		500	
647-UUA0J471MNL1GS	UUA0J471MNL1GS	470	10 x 10		500	
10 Volt						
647-UUA1A220MCL1GS	UUA1A220MCL1GS	22	5 x 5.8		1000	
647-UUA1A330MCL1GS	UUA1A330MCL1GS	33	5 x 5.8		1000	
647-UUA1A470MCL1GS	UUA1A470MCL1GS	47	6.3 x 5.8		1000	
647-UUA1A101MCL1GS	UUA1A101MCL1GS	100	6.3 x 7.7		900	
647-UUA1A221MNL1GS	UUA1A221MNL1GS	220	8 x 10		500	
647-UUA1A331MNL1GS	UUA1A331MNL1GS	330	10 x 10		500	
647-UUA1A471MNL1GS	UUA1A471MNL1GS	470	10 x 10		500	
16 Volt						
647-UUA1C100MCL1GS	UUA1C100MCL1GS	10	4 x 5.8		2000	
647-UUA1C220MCL1GS	UUA1C220MCL1GS	22	5 x 5.8		1000	
647-UUA1C330MCL1GS	UUA1C330MCL1GS	33	6.3 x 5.8		1000	
647-UUA1C470MCL1GS	UUA1C470MCL1GS	47	6.3 X 5.8		1000	
647-UUA1C101MCL1GS	UUA1C101MCL1GS	100	6.3 x 7.7		900	
647-UUA1C221MNL1GS	UUA1C221MNL1GS	220	10 x 10		500	
647-UUA1C331MNL1GS	UUA1C331MNL1GS	330	10 x 10		500	
647-UUA1C471MNL1GS	UUA1C471MNL1GS	470	10 x 10		500	
25 Volt						
647-UUA1E100MCL1GS	UUA1E100MCL1GS	10	5 x 5.8		1000	
647-UUA1E220MCL1GS	UUA1E220MCL1GS	22	6.3 x 5.8		1000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm)	Price Each 1 100	Reel Qty.	Price Per Piece
25 Volt (Cont.)						
647-UUA1E330MCL1GS	UUA1E330MCL1GS	33	6.3 x 5.8		1000	
647-UUA1E470MCL1GS	UUA1E470MCL1GS	47	6.3 x 7.7		900	
647-UUA1E101MNL1GS	UUA1E101MNL1GS	100	8 x 10		500	
647-UUA1E221MNL1GS	UUA1E221MNL1GS	220	10 x 10		500	
35 Volt						
647-UUA1V4R7MCL1GS	UUA1V4R7MCL1GS	4.7	4 x 5.8		2000	
647-UUA1V100MCL1GS	UUA1V100MCL1GS	10	5 x 5.8		2000	
647-UUA1V220MCL1GS	UUA1V220MCL1GS	22	6.3 x 5.8		1000	
647-UUA1V330MCL1GS	UUA1V330MCL1GS	33	6.3 x 7.7		900	
647-UUA1V470MNL1GS	UUA1V470MNL1GS	47	8 x 10		500	
647-UUA1V101MNL1GS	UUA1V101MNL1GS	100	10 x 10		500	
647-UUA1V221MNL1GS	UUA1V221MNL1GS	220	10 x 10		500	
50 Volt						
647-UUA1H0R1MCL1GS	UUA1H0R1MCL1GS	0.1	4 x 5.8		2000	
647-UUA1HR22MCL1GS	UUA1HR22MCL1GS	0.22	4 x 5.8		2000	
647-UUA1HR33MCL1GS	UUA1HR33MCL1GS	0.33	4 x 5.8		2000	
647-UUA1HR47MCL1GS	UUA1HR47MCL1GS	0.47	4 x 5.8		2000	
647-UUA1H010MCL1GS	UUA1H010MCL1GS	1	4 x 5.8		2000	
647-UUA1H2R2MCL1GS	UUA1H2R2MCL1GS	2.2	4 x 5.8		2000	
647-UUA1H3R3MCL1GS	UUA1H3R3MCL1GS	3.3	4 x 5.8		2000	
647-UUA1H4R7MCL1GS	UUA1H4R7MCL1GS	4.7	5 x 5.8		1000	
647-UUA1H100MCL1GS	UUA1H100MCL1GS	10	6.3 X 5.8		1000	
647-UUA1H220MCL1GS	UUA1H220MCL1GS	22	6.3 x 7.7		900	
647-UUA1H330MNL1GS	UUA1H330MNL1GS	33	8 x 10		500	
647-UUA1H470MNL1GS	UUA1H470MNL1GS	47	8 x 10		500	
647-UUA1H101MNL1GS	UUA1H101MNL1GS	100	10 x 10		500	

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NICHICON Aluminum Electrolytic Capacitors

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UCD 105°C LOW IMPEDANCE SMD SERIES

This product is RoHS compliant.

Specifications:

- Operating Temperature Range: -55°C to +105°C
- Voltage Range: 6.3 to 100V
- Tolerance: ±20% at 120Hz, 20°C
- Leakage Current: After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3(μA), whichever is greater
- Endurance: 5000 hours (2000 hours for L<10mm: 50V or less, and for L≤10mm: 63V or more) at 105°C



(ø4~ø6.3) (ø8, ø10 x 10L)

Voltage(C:16V) Series øD Plastic platform Positive(+) Negative(-)

Capacitance

DIMENSIONS: mm

	4 x 5.8	5 x 5.8	6.3 x 5.8	6.3 x 7.7	8 x 10	10 x 10
A	1.8	2.1	2.4	2.4	2.9	3.2
B	4.3	5.3	6.6	6.6	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	10.3
E	1.0	1.3	2.2	2.2	3.1	4.5
L	5.8	5.8	5.8	7.7	10	10
H	0.5~0.8	0.5~0.8	0.5~0.8	0.5~0.8	0.8~1.1	0.8~1.1

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
6.3 Volt							
647-UCD0J270MCL1GS	UCD0J270MCL1GS	27	4 x 5.8			2000	
647-UCD0J330MCL1GS	UCD0J330MCL1GS	33	5 x 5.8			1000	
647-UCD0J560MCL1GS	UCD0J560MCL1GS	56	5 x 5.8			1000	
647-UCD0J680MCL1GS	UCD0J680MCL1GS	68	6.3 x 5.8			1000	
647-UCD0J151MCL1GS	UCD0J151MCL1GS	150	6.3 x 5.8			1000	
647-UCD0J331MCL6GS	UCD0J331MCL6GS	330	8 x 6.2			1000	
647-UCD0J471MNL1GS	UCD0J471MNL1GS	470	8 x 10			500	
647-UCD0J681MNL1GS	UCD0J681MNL1GS	680	8 x 10			500	
647-UCD0J152MNL1GS	UCD0J152MNL1GS	1500	10 x 10			500	
647-UCD0J332MNQ1MS	UCD0J332MNQ1MS	3300	12.5 x 13.5			200	
10 Volt							
647-UCD1A220MCL1GS	UCD1A220MCL1GS	22	4 x 5.8			2000	
647-UCD1A270MCL1GS	UCD1A270MCL1GS	27	5 x 5.8			1000	
647-UCD1A330MCL6GS	UCD1A330MCL6GS	33	4 x 5.8			2000	
647-UCD1A470MCL1GS	UCD1A470MCL1GS	47	6.3 x 5.8			1000	
647-UCD1A560MCL1GS	UCD1A560MCL1GS	56	6.3 x 5.8			1000	
647-UCD1A680MCL1GS	UCD1A680MCL1GS	68	6.3 x 5.8			1000	
647-UCD1A101MCL1GS	UCD1A101MCL1GS	100	6.3 x 5.8			1000	
647-UCD1A221MCL1GS	UCD1A221MCL1GS	220	6.3 x 7.7			900	
647-UCD1A221MCL6GS	UCD1A221MCL6GS	220	8 x 6.2			1000	
647-UCD1A681MNL1GS	UCD1A681MNL1GS	680	10 x 10			500	
647-UCD1A102MNL1GS	UCD1A102MNL1GS	1000	10 x 10			500	
647-UCD1A222MNQ1MS	UCD1A222MNQ1MS	2200	12.5 x 13.5			200	
16 Volt							
647-UCD1C220MCL1GS	UCD1C220MCL1GS	22	5 x 5.8			1000	
647-UCD1C270MCL1GS	UCD1C270MCL1GS	27	5 x 5.8			1000	
647-UCD1C330MCL1GS	UCD1C330MCL1GS	33	6.3 x 5.8			1000	
647-UCD1C470MCL1GS	UCD1C470MCL1GS	47	6.3 x 5.8			1000	
647-UCD1C560MCL1GS	UCD1C560MCL1GS	56	6.3 x 5.8			1000	
647-UCD1C221MCL6GS	UCD1C221MCL6GS	220	8 x 6.2			1000	
647-UCD1C331MNL1GS	UCD1C331MNL1GS	330	8 x 10			500	
647-UCD1C681MNL1GS	UCD1C681MNL1GS	680	10 x 10			500	
647-UCD1C152MNQ1MS	UCD1C152MNQ1MS	1500	12.5 x 13.5			200	
25 Volt							
647-UCD1E100MCL1GS	UCD1E100MCL1GS	10	4 x 5.8			2000	
647-UCD1E150MCL1GS	UCD1E150MCL1GS	15	5 x 5.8			1000	
647-UCD1E220MCL1GS	UCD1E220MCL1GS	22	5 x 5.8			1000	
647-UCD1E270MCL1GS	UCD1E270MCL1GS	27	6.3 x 5.8			1000	
647-UCD1E330MCL1GS	UCD1E330MCL1GS	33	6.3 x 5.8			1000	
647-UCD1E330MCL6GS	UCD1E330MCL6GS	33	5 x 5.8			1000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
25 Volt (Cont.)							
647-UCD1E560MCL1GS	UCD1E560MCL1GS	56	6.3 x 5.8			1000	
647-UCD1E680MCL1GS	UCD1E680MCL1GS	68	6.3 x 5.8			1000	
647-UCD1E151MNL1GS	UCD1E151MNL1GS	150	8 x 10			500	
647-UCD1E102MNQ1MS	UCD1E102MNQ1MS	1000	12.5 x 13.5			200	
35 Volt							
647-UCD1V4R7MCL1GS	UCD1V4R7MCL1GS	4.7	4 x 5.8			2000	
647-UCD1V100MCL6GS	UCD1V100MCL6GS	10	4 x 5.8			2000	
647-UCD1V220MCL1GS	UCD1V220MCL1GS	22	5 x 5.8			1000	
647-UCD1V330MCL1GS	UCD1V330MCL1GS	33	6.3 x 5.8			1000	
647-UCD1V101MCL1GS	UCD1V101MCL1GS	101	6.3 x 7.7			500	
647-UCD1V151MNL1GS	UCD1V151MNL1GS	150	8 x 10			500	
647-UCD1V102MNQ1MS	UCD1V102MNQ1MS	1000	16 x 16.5			250	
50 Volt							
647-UCD1H010MCL1GS	UCD1H010MCL1GS	1	4 x 5.8			2000	
647-UCD1H2R2MCL1GS	UCD1H2R2MCL1GS	2.2	4 x 5.8			2000	
647-UCD1H3R3MCL1GS	UCD1H3R3MCL1GS	3.3	4 x 5.8			2000	
647-UCD1H4R7MCL1GS	UCD1H4R7MCL1GS	4.7	6.3 x 5.8			2000	
647-UCD1H331MNQ1MS	UCD1H331MNQ1MS	330	12.5 x 13.5			200	
647-UCD1H681MNQ1MS	UCD1H681MNQ1MS	680	16 x 16.5			250	
63 Volt							
647-UCD1J4R7MCL1GS	UCD1J4R7MCL1GS	4.7	5 x 5.8			1000	
647-UCD1J220MCL1GS	UCD1J220MCL1GS	22	6.3 x 7.7			900	
647-UCD1J220MCL6GS	UCD1J220MCL6GS	22	8 x 6.2			1000	
647-UCD1J470MNL1GS	UCD1J470MNL1GS	47	8 x 10			500	
647-UCD1J680MNL1GS	UCD1J680MNL1GS	68	10 x 10			500	
647-UCD1J151MNQ1MS	UCD1J151MNQ1MS	150	12.5 x 13.5			200	
647-UCD1J221MNQ1MS	UCD1J221MNQ1MS	220	12.5 x 13.5			200	
647-UCD1J681MNQ1MS	UCD1J681MNQ1MS	680	16 x 16.5			250	
80 Volt							
647-UCD1K3R3MCL1GS	UCD1K3R3MCL1GS	3.3	5 x 5.8			1000	
647-UCD1K4R7MCL1GS	UCD1K4R7MCL1GS	4.7	6.3 x 5.8			1000	
647-UCD1K220MNL1GS	UCD1K220MNL1GS	22	8 x 10			500	
647-UCD1K330MNL1GS	UCD1K330MNL1GS	33	8 x 10			500	
647-UCD1K680MNQ1MS	UCD1K680MNQ1MS	68	12.5 x 13.5			200	
647-UCD1K331MNQ1MS	UCD1K331MNQ1MS	330	16 x 16.5			250	
100 Volt							
647-UCD2A151MNQ1MS	UCD2A151MNQ1MS	150	16 x 16.5			250	
647-UCD2A220MNL1GS	UCD2A220MNL1GS	22	8 x 10			500	
647-UCD2A221MNQ1MS	UCD2A221MNQ1MS	220	18 x 16.5			250	
647-UCD2A331MNQ1MS	UCD2A331MNQ1MS	330	18 x 16.5			250	

UCW 105°C LOW IMPEDANCE, LONG LIFE ASSURANCE SMD SERIES

Specifications:

- Operating Temperature Range: -25°C to +105°C
- Voltage Range: 6.3 to 50V
- Tolerance: ±20% at 120Hz, 20°C
- Leakage Current: After 2 minutes' application of rated voltage, leakage current is not more than 0.01CV or 3(μA), whichever is greater
- Endurance: 7000 hours at 105°C



(ø5~ø6.3) (ø8~ø10)

Voltage(C:16V) Series øD Plastic platform Positive(+) Negative(-)

Capacitance

DIMENSIONS: mm

	øDxL	5 x 7	6.3 x 7	6.3 x 8.7	8 x 10	10 x 10
A	2.1	2.4	2.4	2.4	2.9	2.9
B	5.3	6.6	6.6	6.6	8.3	10.3
C	5.3	6.6	6.6	6.6	8.3	10.3
E	1.3	2.2	2.2	2.2	3.1	4.5
L	7.0	7.0	8.7	10	10	10
H	0.5~0.8	0.5~0.8	0.5~0.8	0.8~1.1	0.8~1.1	0.8~1.1

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
6.3 Volt							
647-UCW0J470MCL1GS	UCW0J470MCL1GS	47	5 x 7			1000	
647-UCW0J101MCL1GS	UCW0J101MCL1GS	100	6.3 x 7			1000	
647-UCW0J221MCL1GS	UCW0J221MCL1GS	220	6.3 x 8.7			800	
647-UCW0J331MCL1GS	UCW0J331MCL1GS	330	6.3 x 8.7			800	
647-UCW0J471MNL1GS	UCW0J471MNL1GS	470	8 x 10			500	
10 Volt							
647-UCW1A330MCL1GS	UCW1A330MCL1GS	33	5 x 7			1000	
16 Volt							
647-UCW1C220MCL1GS	UCW1C220MCL1GS	22	5 x 7			1000	
647-UCW1C470MCL1GS	UCW1C470MCL1GS	47	6.3 x 7			1000	
647-UCW1C101MCL1GS	UCW1C101MCL1GS	100	6.3 x 7			1000	
647-UCW1C151MCL1GS	UCW1C151MCL1GS	150	6.3 x 8.7			800	
647-UCW1C221MCL1GS	UCW1C221MCL1GS	220	6.3 x 8.7			800	
647-UCW1C331MNL1GS	UCW1C331MNL1GS	330	8 x 10			500	
647-UCW1C471MNL1GS	UCW1C471MNL1GS	470	8 x 10			500	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
25 Volt							
647-UCW1E220MCL1GS	UCW1E220MCL1GS	22	5 x 7			1000	
647-UCW1E330MCL1GS	UCW1E330MCL1GS	33	6.3 x 7			1000	
647-UCW1E470MCL1GS	UCW1E470MCL1GS	47	6.3 x 7			1000	
647-UCW1E101MCL1GS	UCW1E101MCL1GS	100	6.3 x 8.7			800	
647-UCW1E221MNL1GS	UCW1E221MNL1GS	220	8 x 10			500	
647-UCW1E331MNL1GS	UCW1E331MNL1GS	330	8 x 10			500	
647-UCW1E471MNL1GS	UCW1E471MNL1GS	470	10 x 10			500	
35 Volt							
647-UCW1V220MCL1GS	UCW1V220MCL1GS	22	5 x 7			1000	
647-UCW1V330MCL1GS	UCW1V330MCL1GS	33	6.3 x 8.7			800	
647-UCW1V470MCL1GS	UCW1V470MCL1GS	47	6.3 x 8.7			800	
647-UCW1V331MNL1GS	UCW1V331MNL1GS	330	10 x 10			500	
50 Volt							
647-UCW1H470MNL1GS	UCW1H470MNL1GS	47	8 x 10			500	
647-UCW1H							

NICHICON Aluminum Electrolytic Capacitors



nichicon UWT 105°C SMD SERIES

RoHS Compliant This product is RoHS compliant.

Specifications:

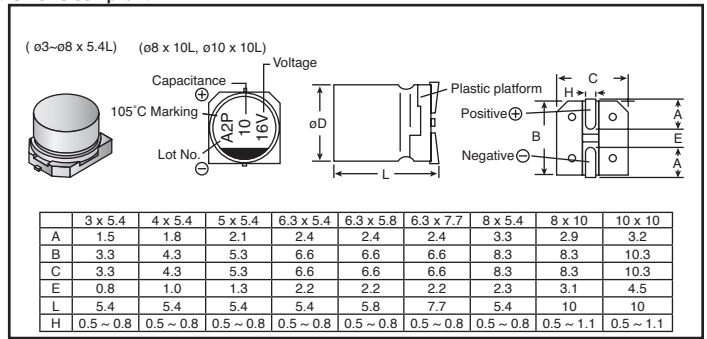
- Operating temperature range: -55°C ~ +105°C
- Voltage range: 4V ~ 50V
- Capacitance range: 0.1µF ~ 1500µF
- Capacitance tolerance: ±20% at 120Hz/20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or (3µA), whichever is greater
- Endurance: 1000 hours @ 105°C



RoHS Compliant

Application note:

- A higher voltage capacitor may be used in a lower voltage application



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price per Piece
				1	100		
4.0 Volt							
647-UWT0G330MCL1B	UWT0G330MCL1GB	33	5 x 5.4			1000	
647-UWT0G470MCL1B	UWT0G470MCL1GB	47	5 x 5.4			1000	
647-UWT0G101MCL1B	UWT0G101MCL1GB	100	6.3 x 5.4			1000	
647-UWT0G221MCL1B	UWT0G221MCL1GB	220	8 x 5.4			1000	
6.3 Volt							
647-UWT0J220MCL1B	UWT0J220MCL1GB	22	4 x 5.4			2000	
647-UWT0J330MCL1B	UWT0J330MCL1GB	33	5 x 5.4			1000	
647-UWT0J470MCL1B	UWT0J470MCL1GB	47	5 x 5.4			1000	
647-UWT0J101MCL1B	UWT0J101MCL1GB	100	6.3 x 5.4			1000	
647-UWT0J221MCL1B	UWT0J221MCL1GB	220	8 x 5.4			1000	
647-UWT0J331MCL1S	UWT0J331MCL1GS	330	6.3 x 7.7			900	
647-UWT0J471MNL1S	UWT0J471MNL1GS	470	8 x 10			500	
647-UWT0J681MNL1S	UWT0J681MNL1GS	680	8 x 10			500	
647-UWT0J102MNL1S	UWT0J102MNL1GS	1000	8 x 10			500	
647-UWT0J152MNL1S	UWT0J152MNL1GS	1500	10 x 10			500	
10 Volt							
647-UWT1A220MCL1B	UWT1A220MCL1GB	22	5 x 5.4			1000	
647-UWT1A470MCL1B	UWT1A470MCL1GB	47	6.3 x 5.4			1000	
647-UWT1A101MCL1B	UWT1A101MCL1GB	100	6.3 x 5.4			1000	
16 Volt							
647-UWT1C100MCL2B	UWT1C100MCL2GB	10	3 x 5.4			2000	
25 Volt							
647-UWT1E47R7MCL1B	UWT1E47R7MCL1GB	47	4 x 5.4			2000	
647-UWT1E100MCL1B	UWT1E100MCL1GB	10	5 x 5.4			1000	
647-UWT1E220MCL1B	UWT1E220MCL1GB	22	6.3 x 5.4			1000	
647-UWT1E470MCL1B	UWT1E470MCL1GB	47	8 x 5.4			1000	
647-UWT1E470MCL6S	UWT1E470MCL6GS	47	6.3 x 5.8			1000	
647-UWT1E331MNL1S	UWT1E331MNL1GS	330	8 x 10			500	
647-UWT1E471MNL1S	UWT1E471MNL1GS	470	10 x 10			500	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price per Piece
				1	100		
35 Volt							
647-UWT1V2R2MCL2B	UWT1V2R2MCL2GB	2.2	3 x 5.4			2000	
647-UWT1V3R3MCL2B	UWT1V3R3MCL2GB	3.3	3 x 5.4			2000	
647-UWT1V4R7MCL1B	UWT1V4R7MCL1GB	4.7	4 x 5.4			2000	
647-UWT1V100MCL1B	UWT1V100MCL1GB	10	5 x 5.4			1000	
647-UWT1V220MCL1B	UWT1V220MCL1GB	22	6.3 x 5.4			1000	
647-UWT1V330MCL1B	UWT1V330MCL1GB	33	8 x 5.4			1000	
647-UWT1V470MCL1S	UWT1V470MCL1GS	47	6.3 x 5.8			1000	
647-UWT1V101MCL1S	UWT1V101MCL1GS	100	6.3 x 7.7			900	
647-UWT1V221MNL1S	UWT1V221MNL1GS	220	8 x 10			500	
647-UWT1V331MNL1S	UWT1V331MNL1GS	330	10 x 10			500	
50 Volt							
647-UWT1H0R1MCL2B	UWT1H0R1MCL2GB	0.10	3 x 5.4			2000	
647-UWT1H0R1MCL1B	UWT1H0R1MCL1GB	0.10	4 x 5.4			2000	
647-UWT1HR22MCL1B	UWT1HR22MCL1GB	0.22	4 x 5.4			2000	
647-UWT1HR33MCL2B	UWT1HR33MCL2GB	0.33	3 x 5.4			2000	
647-UWT1HR33MCL1B	UWT1HR33MCL1GB	0.33	4 x 5.4			2000	
647-UWT1HR47MCL2B	UWT1HR47MCL2GB	0.47	3 x 5.4			2000	
647-UWT1HR47MCL1B	UWT1HR47MCL1GB	0.47	4 x 5.4			2000	
647-UWT1H010MCL2B	UWT1H010MCL2GB	1.0	3 x 5.4			2000	
647-UWT1H010MCL1B	UWT1H010MCL1GB	1.0	4 x 5.4			2000	
647-UWT1H2R2MCL2B	UWT1H2R2MCL2GB	2.2	3 x 5.4			2000	
647-UWT1H3R3MCL1B	UWT1H3R3MCL1GB	3.3	4 x 5.4			2000	
647-UWT1H4R7MCL1B	UWT1H4R7MCL1GB	4.7	5 x 5.4			1000	
647-UWT1H100MCL1B	UWT1H100MCL1GB	10	6.3 x 5.4			1000	
647-UWT1H220MCL1B	UWT1H220MCL1GB	22	8 x 5.4			1000	
647-UWT1H330MCL1S	UWT1H330MCL1GS	33	6.3 x 7.7			900	
647-UWT1H470MCL1S	UWT1H470MCL1GS	47	6.3 x 7.7			900	
647-UWT1H101MNL1S	UWT1H101MNL1GS	100	8 x 10			500	
647-UWT1H221MNL1S	UWT1H221MNL1GS	220	10 x 10			500	

nichicon UUD 105°C LOW IMPEDANCE SMD SERIES

Specifications:

- Operating temperature range: -55°C ~ +105°C
- Voltage range: 6.3V ~ 50V
- Capacitance range: 0.1µF ~ 1500µF
- Endurance: 5000 hours (2000 hrs for øD≤6.3A) @ 105°C
- Capacitance tolerance: ±20% at 120Hz/20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or (3µA), whichever is greater



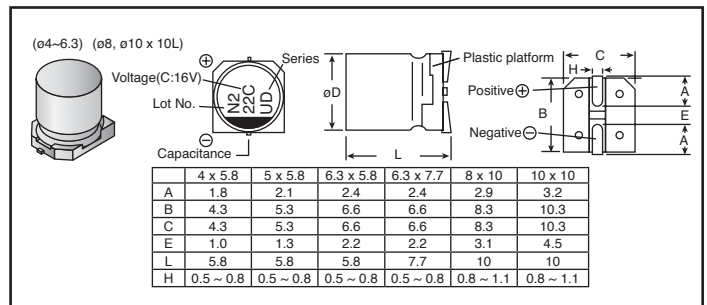
RoHS Compliant

Application note:

- A higher voltage capacitor may be used in a lower voltage application

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price per Piece
				1	100		
6.3 Volt							
647-UUD0J470MCL1GS	UUD0J470MCL1GS	47	5 x 5.8			1000	
647-UUD0J101MCL1GS	UUD0J101MCL1GS	100	6.3 x 5.8			1000	
647-UUD0J221MCL1GS	UUD0J221MCL1GS	220	6.3 x 5.8			1000	
647-UUD0J331MCL1GS	UUD0J331MCL1GS	330	6.3 x 7.7			900	
647-UUD0J102MNL1GS	UUD0J102MNL1GS	1000	8 x 10			500	
647-UUD0J152MNL1GS	UUD0J152MNL1GS	1500	10 x 10			500	
10 Volt							
647-UUD1A220MCL1GS	UUD1A220MCL1GS	22	4 x 5.8			2000	
647-UUD1A330MCL1GS	UUD1A330MCL1GS	33	5 x 5.8			1000	
647-UUD1A680MCL1GS	UUD1A680MCL1GS	68	6.3 x 5.8			1000	
647-UUD1A101MCL1GS	UUD1A101MCL1GS	100	6.3 x 5.8			1000	
647-UUD1A471MNL1GS	UUD1A471MNL1GS	470	8 x 10			500	
647-UUD1A102MNL1GS	UUD1A102MNL1GS	1000	10 x 10			500	
16 Volt							
647-UUD1C470MCL1GS	UUD1C470MCL1GS	47	6.3 x 5.8			1000	
647-UUD1C680MCL1GS	UUD1C680MCL1GS	68	6.3 x 5.8			1000	
647-UUD1C101MCL1GS	UUD1C101MCL1GS	100	6.3 x 5.8			1000	
647-UUD1C221MCL1GS	UUD1C221MCL1GS	220	6.3 x 7.7			900	
647-UUD1C331MNL1GS	UUD1C331MNL1GS	330	8 x 10			500	
647-UUD1C471MNL1GS	UUD1C471MNL1GS	470	8 x 10			500	
647-UUD1C681MNL1GS	UUD1C681MNL1GS	680	10 x 10			500	
25 Volt							
647-UUD1E100MCL1GS	UUD1E100MCL1GS	10	4 x 5.8			2000	
647-UUD1E220MCL1GS	UUD1E220MCL1GS	22	5 x 5.8			1000	
647-UUD1E470MCL1GS	UUD1E470MCL1GS	47	6.3 x 5.8			1000	
647-UUD1E680MCL1GS	UUD1E680MCL1GS	68	6.3 x 5.8			1000	
647-UUD1E101MCL1GS	UUD1E101MCL1GS	100	6.3 x 7.7			900	



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price per Piece
				1	100		
25 Volt (Cont.)							
647-UUD1E221MNL1GS	UUD1E221MNL1GS	220	8 x 10			500	
647-UUD1E331MNL1GS	UUD1E331MNL1GS	330	8 x 10			500	
647-UUD1E471MNL1GS	UUD1E471MNL1GS	470	10 x 10			500	
35 Volt							
647-UUD1V4R7MCL1GS	UUD1V4R7MCL1GS	4.7	4 x 5.8			2000	
647-UUD1V100MCL1GS	UUD1V100MCL1GS	10	5 x 5.8			1000	
647-UUD1V220MCL1GS	UUD1V220MCL1GS	22	5 x 5.8			1000	
647-UUD1V330MCL1GS	UUD1V330MCL1GS	33	6.3 x 5.8			1000	
647-UUD1V470MCL1GS	UUD1V470MCL1GS	47	6.3 x 5.8			1000	
647-UUD1V680MCL1GS	UUD1V680MCL1GS	68	6.3 x 7.7			900	
647-UUD1V101MNL1GS	UUD1V101MNL1GS	100	8 x 10			500	
647-UUD1V221MNL1GS	UUD1V221MNL1GS	220	8 x 10			500	
647-UUD1V331MNL1GS	UUD1V331MNL1GS	330	10 x 10			500	
50 Volt							
647-UUD1H010MCL1GS	UUD1H010MCL1GS	1.0	4 x 5.8			2000	
647-UUD1H2R2MCL1GS	UUD1H2R2MCL1GS	2.2	4 x 5.8			2000	
647-UUD1H3R3MCL1GS	UUD1H3R3MCL1GS	3.3	4 x 5.8			2000	
647-UUD1H100MCL1GS	UUD1H100MCL1GS	10	6.3 x 5.8			1000	
647-UUD1H220MCL1GS	UUD1H220MCL1GS	22	6.3 x 5.8			1000	
647-UUD1H330MCL1GS	UUD1H330MCL1GS	33	6.3 x 7.7			900</	

NICHICON Aluminum Electrolytic Capacitors

nichicon

RoHS Compliant This product is RoHS compliant.

nichicon UWX 85°C SMD GENERAL PURPOSE SERIES

Specifications:

- Operating temperature range: -40°C ~ +85°C
- Voltage range: UWP: 4V ~ 50V
- Capacitance range: 0.1 ~ 330µF
- Capacitance tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3µA, which ever is greater

Features:

- Designed for surface mounting on a high density PC board
- SMD type with 5.4mm height

Application Note:

- A higher voltage capacitor may be used in a lower voltage application

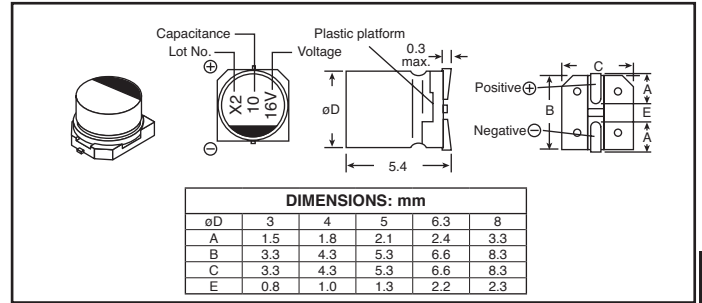
Endurance:
• 2000 hours @ 85°C



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
4 Volt							
647-UWX0G220MCL2	UWX0G220MCL2GB	22	3 x 5.4			2000	
647-UWX0G330MCL1	UWX0G330MCL1GB	33	4 x 5.4			2000	
647-UWX0G470MCL1	UWX0G470MCL1GB	47	4 x 5.4			2000	
647-UWX0G101MCL1	UWX0G101MCL1GB	100	5 x 5.4			1000	
647-UWX0G221MCL1	UWX0G221MCL1GB	220	6.3 x 5.4			1000	
6.3 Volt							
647-UWX0J220MCL2	UWX0J220MCL2GB	22	3 x 5.4			2000	
647-UWX0J220MCL1	UWX0J220MCL1GB	22	4 x 5.4			2000	
647-UWX0J330MCL1	UWX0J330MCL1GB	33	5 x 5.4			1000	
647-UWX0J470MCL1	UWX0J470MCL1GB	47	5 x 5.4			1000	
647-UWX0J101MCL1	UWX0J101MCL1GB	100	6.3 x 5.4			1000	
647-UWX0J221MCL1	UWX0J221MCL1GB	220	8 x 5.4			1000	
647-UWX0J331MCL1	UWX0J331MCL1GB	330	8 x 5.4			1000	
10 Volt							
647-UWX1A220MCL1	UWX1A220MCL1GB	22	5 x 5.4			1000	
647-UWX1A330MCL1	UWX1A330MCL1GB	33	5 x 5.4			1000	
647-UWX1A470MCL1	UWX1A470MCL1GB	47	6.3 x 5.4			1000	
647-UWX1A101MCL1	UWX1A101MCL1GB	100	6.3 x 5.4			1000	
647-UWX1A221MCL1	UWX1A221MCL1GB	220	8 x 5.4			1000	
16 Volt							
647-UWX1C100MCL2	UWX1C100MCL2GB	10	3 x 5.4			2000	
25 Volt							
647-UWX1E4R7MCL1	UWX1E4R7MCL1GB	4.7	4 x 5.4			2000	
647-UWX1E100MCL1	UWX1E100MCL1GB	10	5 x 5.4			1000	
647-UWX1E220MCL1	UWX1E220MCL1GB	22	6.3 x 5.4			1000	
647-UWX1E330MCL1	UWX1E330MCL1GB	33	6.3 x 5.4			1000	
647-UWX1E470MCL1	UWX1E470MCL1GB	47	8 x 5.4			1000	
647-UWX1E101MCL1	UWX1E101MCL1GB	100	8 x 5.4			1000	



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
35 Volt							
647-UWX1V2R2MCL2	UWX1V2R2MCL2GB	2.2	3 x 5.4			2000	
647-UWX1V3R3MCL2	UWX1V3R3MCL2GB	3.3	3 x 5.4			2000	
647-UWX1V4R7MCL1	UWX1V4R7MCL1GB	4.7	4 x 5.4			2000	
647-UWX1V100MCL1	UWX1V100MCL1GB	10	5 x 5.4			1000	
647-UWX1V220MCL1	UWX1V220MCL1GB	22	6.3 x 5.4			1000	
647-UWX1V330MCL1	UWX1V330MCL1GB	33	8 x 5.4			1000	
647-UWX1V470MCL1	UWX1V470MCL1GB	47	8 x 5.4			1000	
50 Volt							
647-UWX1H0R1MCL2	UWX1H0R1MCL2GB	0.1	3 x 5.4			2000	
647-UWX1H0R1MCL1	UWX1H0R1MCL1GB	0.1	4 x 5.4			2000	
647-UWX1HR22MCL2	UWX1HR22MCL2GB	0.22	3 x 5.4			2000	
647-UWX1HR22MCL1	UWX1HR22MCL1GB	0.22	4 x 5.4			2000	
647-UWX1HR33MCL2	UWX1HR33MCL2GB	0.33	3 x 5.4			2000	
647-UWX1HR33MCL1	UWX1HR33MCL1GB	0.33	4 x 5.4			2000	
647-UWX1HR47MCL2	UWX1HR47MCL2GB	0.47	3 x 5.4			2000	
647-UWX1HR47MCL1	UWX1HR47MCL1GB	0.47	4 x 5.4			2000	
647-UWX1H010MCL2	UWX1H010MCL2GB	1.0	3 x 5.4			2000	
647-UWX1H010MCL1	UWX1H010MCL1GB	1.0	4 x 5.4			2000	
647-UWX1H2R2MCL2	UWX1H2R2MCL2GB	2.2	3 x 5.4			2000	
647-UWX1H2R2MCL1	UWX1H2R2MCL1GB	2.2	4 x 5.4			2000	
647-UWX1H3R3MCL1	UWX1H3R3MCL1GB	3.3	4 x 5.4			2000	
647-UWX1H4R7MCL1	UWX1H4R7MCL1GB	4.7	5 x 5.4			1000	
647-UWX1H100MCL1	UWX1H100MCL1GB	10	6.3 x 5.4			1000	
647-UWX1H220MCL1	UWX1H220MCL1GB	22	8 x 5.4			1000	
647-UWX1H330MCL1	UWX1H330MCL1GB	33	8 x 5.4			1000	

nichicon UWP 85°C BI-POLAR SMD SERIES

Specifications:

- Operating temperature range: -40°C ~ +85°C
- Voltage range: UWP: 6.3V ~ 50V
- Capacitance range: 0.1 ~ 330µF
- Capacitance tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.05CV or 10µA, which ever is greater

Features:

- Designed for surface mounting on a high density PC board
- SMD type with 5.4mm height

Application Note:

- A higher voltage capacitor may be used in a lower voltage application

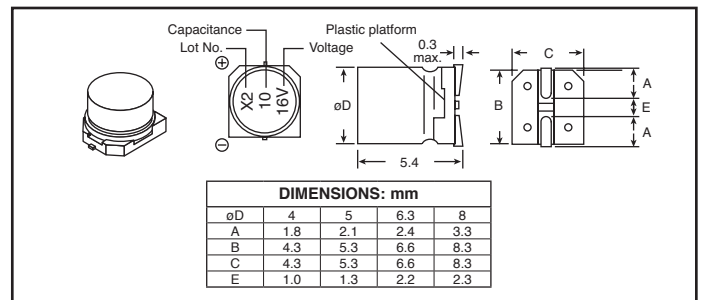
Endurance:
• 1000 hours @ 85°C with polarity inverted every 250 hours



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
6.3 Volt							
647-UWP0J220MCL	UWP0J220MCL1GB	22	5 x 5.4			1000	
647-UWP0J330MCL	UWP0J330MCL1GB	33	6.3 x 5.4			1000	
647-UWP0J470MCL	UWP0J470MCL1GB	47	6.3 x 5.4			1000	
647-UWP0J101MCL	UWP0J101MCL1GB	100	8 x 5.4			1000	
10 Volt							
647-UWP1A100MCL	UWP1A100MCL1GB	10	4 x 5.4			2000	
647-UWP1A220MCL	UWP1A220MCL1GB	22	6.3 x 5.4			1000	
647-UWP1A330MCL	UWP1A330MCL1GB	33	6.3 x 5.4			1000	
647-UWP1A470MCL	UWP1A470MCL1GB	47	8 x 5.4			1000	
16 Volt							
647-UWP1C100MCL	UWP1C100MCL1GB	10	5 x 5.4			1000	
25 Volt							
647-UWP1E3R3MCL	UWP1E3R3MCL1GB	3.3	5 x 5.4			1000	
647-UWP1E4R7MCL	UWP1E4R7MCL1GB	4.7	5 x 5.4			1000	
647-UWP1E100MCL	UWP1E100MCL1GB	10	6.3 x 5.4			1000	
647-UWP1E330MCL	UWP1E330MCL1GB	33	8 x 5.4			1000	



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
35 Volt							
647-UWP1V2R2MCL	UWP1V2R2MCL1GB	2.2	4 x 5.4			2000	
647-UWP1V3R3MCL	UWP1V3R3MCL1GB	3.3	5 x 5.4			1000	
647-UWP1V4R7MCL	UWP1V4R7MCL1GB	4.7	5 x 5.4			1000	
647-UWP1V100MCL	UWP1V100MCL1GB	10	6.3 x 5.4			1000	
647-UWP1V220MCL	UWP1V220MCL1GB	22	8 x 5.4			1000	
50 Volt							
647-UWP1H0R1MCL	UWP1H0R1MCL1GB	0.1	4 x 5.4			2000	
647-UWP1HR22MCL	UWP1HR22MCL1GB	0.22	4 x 5.4			2000	
647-UWP1HR33MCL	UWP1HR33MCL1GB	0.33	4 x 5.4			2000	
647-UWP1HR47MCL	UWP1HR47MCL1GB	0.47	4 x 5.4			2000	
647-UWP1H010MCL	UWP1H010MCL1GB	1.0	4 x 5.4			2000	
647-UWP1H2R2MCL	UWP1H2R2MCL1GB	2.2	5 x 5.4			1000	
647-UWP1H3R3MCL	UWP1H3R3MCL1GB	3.3	5 x 5.4			1000	
647-UWP1H4R7MCL	UWP1H4R7MCL1GB	4.7	6.3 x 5.4			1000	
647-UWP1H100MCL	UWP1H100MCL1GB	10	8 x 5.4			1000	

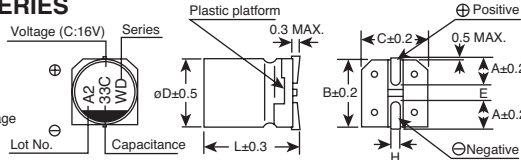
NICHICON Aluminum Electrolytic Capacitors **nichicon**

RoHS Compliant This product is RoHS compliant.

WD 105°C LOW IMPEDANCE SMD SERIES

Specifications:

- Operating temperature range: -55°C ~ +105°C
- Voltage Range: 6.3V~50V
- Capacitance range: 1 to 1500uF
- Capacitance tolerance: ±20% at 120Hz/20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3uA, whichever is greater



DIMENSIONS: mm						
	4 x 5.8	5 x 5.8	6.3 x 5.8	6.3 x 7.7	8 x 10	10 x 10
A	1.8	2.1	2.4	2.4	2.9	3.2
B	4.3	5.3	6.6	6.6	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	10.3
E	1	1.3	2.2	2.2	3.1	4.5
L	5.8	5.8	5.8	7.7	10	10
H	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

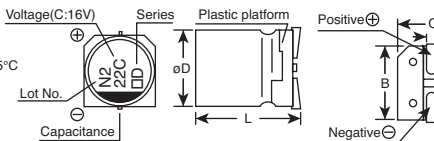
MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
6.3 Volt							
647-UWDOJ470MCL1	UWDOJ470MCL1GS	47	5 x 5.8			1000	
647-UWDOJ560MCL1	UWDOJ560MCL1GS	56	5 x 5.8			1000	
647-UWDOJ680MCL1	UWDOJ680MCL1GS	68	6.3 x 5.8			1000	
647-UWDOJ221MCL1	UWDOJ221MCL1GS	220	6.3 x 5.8			1000	
647-UWDOJ102MCL1	UWDOJ102MCL1GS	1000	10 x 10			500	
647-UWDOJ152MCL1	UWDOJ152MCL1GS	1500	10 x 10			500	
10 Volt							
647-UWD1A330MCL1	UWD1A330MCL1GS	33	5 x 5.8			1000	
647-UWD1A560MCL1	UWD1A560MCL1GS	56	6.3 x 5.8			1000	
647-UWD1A331MCL1	UWD1A331MCL1GS	330	8 x 10			900	
647-UWD1A471MCL1	UWD1A471MCL1GS	470	8 x 10			500	
16 Volt							
647-UWD1C270MCL1	UWD1C270MCL1GS	27	5 x 5.8			1000	
647-UWD1C221MCL1	UWD1C221MCL1GS	220	6.3 x 7.7			1800	
647-UWD1C471MCL1	UWD1C471MCL1GS	470	8 x 10			500	
25 Volt							
647-UWD1E560MCL1	UWD1E560MCL1GS	56	6.3 x 5.8			1000	

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
25 Volt (Cont.)							
647-UWD1E221MCL1	UWD1E221MCL1GS	220	8 x 10			500	
647-UWD1E331MCL1	UWD1E331MCL1GS	330	10 x 10			500	
35 Volt							
647-UWD1V150MCL1	UWD1V150MCL1GS	15	5 x 5.8			1000	
647-UWD1V330MCL1	UWD1V330MCL1GS	33	6.3 x 5.8			1000	
647-UWD1V680MCL1	UWD1V680MCL1GS	68	6.3 x 7.7			900	
647-UWD1V101MCL1	UWD1V101MCL1GS	100	8 x 10			500	
647-UWD1V151MCL1	UWD1V151MCL1GS	150	8 x 10			500	
647-UWD1V331MCL1	UWD1V331MCL1GS	330	10 x 10			500	
50 Volt							
647-UWD1H100MCL1	UWD1H100MCL1GS	10	6.3 x 5.8			1000	
647-UWD1H220MCL1	UWD1H220MCL1GS	22	6.3 x 5.8			1000	
647-UWD1H270MCL1	UWD1H270MCL1GS	27	6.3 x 7.7			900	
647-UWD1H101MCL1	UWD1H101MCL1GS	100	8 x 10			500	
647-UWD1H221MCL1	UWD1H221MCL1GS	220	10 x 10			500	
68 Volt							
647-UWD1H680MCL1	UWD1H680MCL1GS	68	8 x 10			500	

WZ 260°C HIGH TEMPERATURE SMD SERIES

Specifications:

- Operating temperature range: -55°C ~ +105°C
- Voltage Range: 6.3V~50V
- Tolerance: ±20% at 120Hz, 20°C
- Endurance: 1000 hours at 105°C



DIMENSIONS: mm						
	4 x 5.4	5 x 5.4	6.3 x 5.4	6.3 x 5.8	6.3 x 7.7	8 x 10
A	1.8	2.1	2.4	2.4	2.4	3.3
B	4.3	5.3	6.6	6.6	6.6	8.3
C	4.3	5.3	6.6	6.6	6.6	8.3
E	1.0	1.3	2.2	2.2	2.2	2.3
L	5.4	5.4	5.4	5.4	7.7	10
H	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.5 to 0.8	0.8 to 1.1

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
6.3 Volt							
647-UWZ0J152MCL1	UWZ0J152MCL1GS	1500	10 x 10			500	
647-UWZ0J102MCL1	UWZ0J102MCL1GS	1000	10 x 10			500	
10 Volt							
647-UWZ1A151MCL1	UWZ1A151MCL1GS	150	6.3 x 5.8			1000	
647-UWZ1A221MCL1	UWZ1A221MCL1GS	220	6.3 x 7.7			900	
647-UWZ1A101MCL1	UWZ1A101MCL1GB	100	6.3 x 5.4			1000	
16 Volt							
647-UWZ1C101MCL1	UWZ1C101MCL1GB	100	6.3 x 5.4			1000	
647-UWZ1C471MCL1	UWZ1C471MCL1GS	470	8 x 10			500	
25 Volt							
647-UWZ1E47MCL1	UWZ1E47MCL1GB	4.7	4 x 5.4			2000	

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
25 Volt (Cont.)							
647-UWZ1E151MCL1	UWZ1E151MCL1GS	150	8 x 10			500	
647-UWZ1E471MCL1	UWZ1E471MCL1GS	470	10 x 10			500	
35 Volt							
647-UWZ1V47MCL1	UWZ1V47MCL1GB	4.7	4 x 5.4			2000	
647-UWZ1V330MCL1	UWZ1V330MCL1GS	33	8 x 6.2			1000	
647-UWZ1V101MCL1	UWZ1V101MCL1GS	100	6.3 x 7.7			900	
50 Volt							
647-UWZ1H010MCL1	UWZ1H010MCL1GB	1	4 x 5.4			2000	
647-UWZ1H100MCL1	UWZ1H100MCL1GB	10	6.3 x 5.4			1000	
647-UWZ1H220MCL1	UWZ1H220MCL1GS	22	8 x 6.2			1000	
647-UWZ1H470MCL1	UWZ1H470MCL1GS	47	6.3 x 7.7			900	

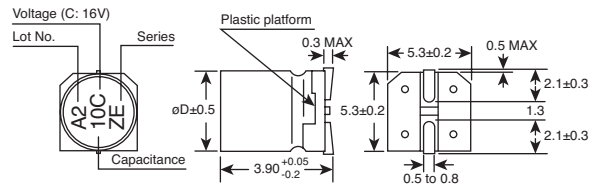
ZD 85°C BI-POLAR SMB SERIES

Specifications:

- Operating temperature range: -40°C to +85°C
- Voltage range: 6.3 to 50V
- Capacitance range: 0.1 to 47uF
- Capacitance tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.05CV or 10uA, whichever is greater

Features:

- Chip type with 3.95mmL Max height
- Designed for surface mounting on high density PC board



For quantities greater than listed, call for quote.

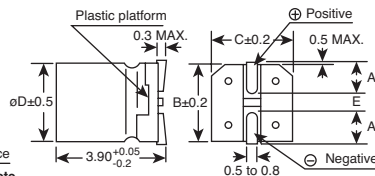
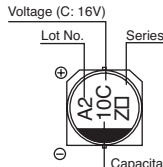
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
6.3 Volt							
647-UZD0J330MCL1GB	UZD0J330MCL1GB	33	5 x 11			1000	
10 Volt							
647-UZD1A220MCL1GB	UZD1A220MCL1GB	22	5 x 11			1000	
647-UZD1A330MCL1GB	UZD1A330MCL1GB	33	5 x 11			1000	
25 Volt							
647-UZD1E47MCL1GB	UZD1E47MCL1GB	4.7	5 x 11			2000	
647-UZD1E100MCL1GB	UZD1E100MCL1GB	10	5 x 11			1000	

ZG 105°C WIDE TEMPERATURE RANGE SMD SERIES

Specifications:

- Operating temperature range: -40°C to +105°C
- Voltage range: 6.3 to 50V
- Capacitance range: 0.1 to 100uF
- Capacitance tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3uA, whichever is greater



DIMENSIONS: mm			
	4	5	6.3
A	1.8	2.1	2.4
B	4.3	5.3	6.6
C	4.3	5.3	6.6
E	1	1.3	2.2

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
6.3 Volt							
647-UZG0J220MCL1GB	UZG0J220MCL1GB	22	5 x 11			2000	
647-UZG0J470MCL1GB	UZG0J470MCL1GB	47	5 x 11			1000	
647-UZG0J101MCL1GB	UZG0J101MCL1GB	100	5 x 11			1000	
10 Volt							
647-UZG1A330MCL1GB	UZG1A330MCL1GB	33	5 x 11			1000	
647-UZG1A470MCL1GB	UZG1A470MCL1GB	47	5 x 11			1000	
16 Volt							
647-UZG1C100MCL1GB	UZG1C100MCL1GB	10	5 x 11			1000	
647-UZG1C220MCL1GB	UZG1C220MCL1GB	22	6.3 x 11			1000	
25 Volt							
647-UZG1E47MCL1GB	UZG1E47MCL1GB	4.7	5 x 11			2000	

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
				1	100		
25 Volt (Cont.)							
647-UZG1E100MCL1GB	UZG1E100MCL1GB	10	5 x 11			1000	
647-UZG1E330MCL1GB	UZG1E330MCL1GB	33	5 x 11			1000	
35 Volt							
647-UZG1V47MCL1GB	UZG1V47MCL1GB	4.7	5 x 11			2000	
647-UZG1V100MCL1GB	UZG1V100MCL1GB	10	5 x 11			1000	
647-UZG1V220MCL1GB	UZG1V220MCL1GB	22	5 x 11			1000	
50 Volt							
647-UZG1H3R3MCL1GB	UZG1H3R3MCL1GB	3.3	4 x 3.9			2000	
647-UZG1H4R7MCL1GB	UZG1H4R7MCL1GB	4.7	5 x 3.9			1000	

NEW AT MOUSER

Aluminum Caps, SMD

Nichicon

NEW AT MOUSER

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SMD MEDIUM SIZE TP SERIES, TYPE V

Specifications:

- Category Temp. Range: -40°C to +125°C
- Rated W.V. Range: 10V.DC to 35V.DC
- Nominal Cap Range: 47µF to 470µF
- Capacitance Tolerance: ±20% (120Hz/+20°C)
- DC Leakage Current: 1 ≤ 0.01 CV (µA) After 2 minutes

Features:

- Lower ESR at Low temperature after endurance
- Endurance: 3000h at 125°C (D8 size: 2000h)
- Automotive
- Vibration-proof product is available upon request (ø8 ≤)
- RoHS directive compliant



RoHS Compliant

This product is RoHS compliant.

Marking

Capacitance (µP)
Series identification
Mark for Lead-Free Products
Black Dot (Square)
Rated Voltage Mark

A	10V
C	16V
E	25V
V	35V

DIMENSIONS: mm (in.)

Size Code	D	L	A, B	H Max.	I	W	P	K
D8	6.3	7.7	6.6	7.8	2.6	0.65±0.1	1.8	0.35-0.20+0.15
F	8.0	10.2	8.3	10.0	3.4	0.90±0.2	3.1	0.70±0.20
G	10.0	10.2	10.3	12.0	3.5	0.90±0.2	4.6	0.70±0.20

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	Voltage (VDC)	Case Size		Ripple Current 100KHz mA r.m.s.	E.S.R. 100 KHz Ω	D.F. % @ 120Hz	Price Each			
				Dia. (mm)	Length (mm)				1	25	100	500
667-EEE-TP1A221AP	EEE-TP1A221AP	220	10	8.0	10.2	270	0.20	3.0				
667-EEE-TP1A331AP	EEE-TP1A331AP	330	10	10.0	10.2	500	0.15	2.0				
667-EEE-TPA331UAP	EEE-TPA331UAP	330	10	8.0	10.2	270	0.20	3.0				
667-EEE-TP1A471AP	EEE-TP1A471AP	470	10	10.0	10.2	500	0.15	2.0				
667-EEE-TP1C101AP	EEE-TP1C101AP	100	16	8.0	10.2	270	0.20	3.0				
667-EEE-TPC101XAP	EEE-TPC101XAP	100	16	6.3	7.7	197	0.45	5.0				
667-EEE-TP1C221AP	EEE-TP1C221AP	220	16	8.0	10.2	270	0.20	3.0				
667-EEE-TP1C331AP	EEE-TP1C331AP	330	16	10.0	10.2	500	0.15	2.0				
667-EEE-TP1C471AP	EEE-TP1C471AP	470	16	10.0	10.2	500	0.15	2.0				
667-EEE-TP1E101AP	EEE-TP1E101AP	100	25	8.0	10.2	270	0.20	3.0				
667-EEE-TP1E221AP	EEE-TP1E221AP	220	25	10.0	10.2	500	0.15	2.0				
667-EEE-TP1E331AP	EEE-TP1E331AP	330	25	10.0	10.2	500	0.15	2.0				
667-EEE-TP1V470AP	EEE-TP1V470AP	47	35	8.0	10.2	270	0.20	3.0				
667-EEE-TPV470XAP	EEE-TPV470XAP	47	35	6.3	7.7	197	0.45	5.0				
667-EEE-TP1V101AP	EEE-TP1V101AP	100	35	8.0	10.2	270	0.20	3.0				
667-EEE-TP1V221AP	EEE-TP1V221AP	220	35	10.0	10.2	500	0.15	2.0				

SMD HD SERIES, TYPE V

Specifications:

- Category Temp. Range: -40°C to +105°C
- Rated W.V. Range: 6.3V.DC to 100V.DC
- Nominal Cap Range: 0.47µF to 1000µF
- Capacitance Tolerance: ±20% (120Hz/+20°C)
- DC Leakage Current: 1 ≤ 0.01 CV or 3 (µA) After 2 minutes (Whichever is greater)

Features:

- Endurance: 105°C 5000h
- Vibration-proof product is available upon request (ø8 ≤)
- RoHS directive compliant



RoHS Compliant

Marking

Capacitance (µP)
Series identification
Mark for Lead-Free Products
Black Dot (Square)
Rated Voltage Mark

I	6.3V	V	35V
A	10V	H	50V
C	16V	J	63V
E	25V	2A	100V

DIMENSIONS: mm (in.) not to scale

Size Code	D	L	A, B	H Max.	I	W	P	K
B	4.0	5.8	4.3	5.5	1.8	0.65±0.1	1.0	0.35-0.20 to +0.15
C	5.0	5.8	5.3	6.5	2.2	0.65±0.1	1.5	0.35±0.20 to +0.15
D	6.3	5.8	6.6	7.8	2.6	0.65±0.1	1.8	0.35±0.20 to +0.15
D8	6.3	7.7	6.6	7.8	2.6	0.65±0.1	1.8	0.35±0.20 to +0.15
E	8.0	6.2	8.3	9.5	3.4	0.65±0.1	2.2	0.35±0.20 to +0.15
F	8.0	10.2	8.3	10.0	3.4	0.90±0.2	3.1	0.70±0.20
G	10.0	10.2	10.3	12.0	3.5	0.90±0.2	4.6	0.70±0.20

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	Voltage (VDC)	Case Size		Ripple Current 100KHz mA r.m.s.	E.S.R. 100 KHz Ω	D.F. % @ 120Hz	Price Each			
				Dia. (mm)	Length (mm)				1	25	100	500
667-EEE-HD0J331AP	EEE-HD0J331AP	330	6.3	8	10.2	230	1.5	0.3				
667-EEE-HD0J102AP	EEE-HD0J102AP	1,000	6.3	10	10.2	313	0.8	0.5				
667-EEE-HD1A101AP	EEE-HD1A101AP	100	10	8	6.2	62	2	0.3				
667-EEE-HD1A221AP	EEE-HD1A221AP	220	10	8	10.2	160	1.5	0.3				
667-EEE-HD1A331AP	EEE-HD1A331AP	330	10	10	10.2	238	0.8	0.3				
667-EEE-HD1C100AR	EEE-HD1C100AR	10	16	4	5.8	28	12	0.2				
667-EEE-HD1C220AR	EEE-HD1C220AR	22	16	5	5.8	39	7.2	0.2				
667-EEE-HD1C470AP	EEE-HD1C470AP	47	16	6.3	5.8	70	4	0.2				
667-EEE-HD1C101AP	EEE-HD1C101AP	100	16	8	10.2	130	1.5	0.2				
667-EEE-HD1C221AP	EEE-HD1C221AP	220	16	10	10.2	220	0.8	0.2				
667-EEE-HD1C471AP	EEE-HD1C471AP	470	16	10	10.2	340	0.8	0.2				
667-EEE-HD1E477AR	EEE-HD1E477AR	4.7	25	4	5.8	17	12	0.16				
667-EEE-HD1E100AR	EEE-HD1E100AR	10	25	5	5.8	28	7.2	0.16				
667-EEE-HD1E220AP	EEE-HD1E220AP	22	25	6.3	5.8	55	4	0.16				
667-EEE-HD1E330AP	EEE-HD1E330AP	33	25	6.3	5.8	55	4	0.16				
667-EEE-HD1E470AP	EEE-HD1E470AP	47	25	8	6.2	56	2	0.18				
667-EEE-HD1E101AP	EEE-HD1E101AP	100	25	8	10.2	130	1.5	0.16				
667-EEE-HD1E331AP	EEE-HD1E331AP	330	25	10	10.2	238	0.8	0.16				
667-EEE-HD1V477AR	EEE-HD1V477AR	4.7	35	4	5.8	17	12	0.13				
667-EEE-HD1V100AR	EEE-HD1V100AR	10	35	5	5.8	28	7.2	0.13				
667-EEE-HD1V220AP	EEE-HD1V220AP	22	35	6.3	5.8	55	4	0.13				
667-EEE-HD1V330AP	EEE-HD1V330AP	33	35	8	6.2	53	2	0.16				
667-EEE-HDV330XAP	EEE-HDV330XAP	33	35	6.3	7.7	57	2	0.13				
667-EEE-HD1V470AP	EEE-HD1V470AP	47	35	8	10.2	79	1.5	0.14				
667-EEE-HDV470XAP	EEE-HDV470XAP	47	35	6.3	7.7	57	2	0.14				
667-EEE-HD1V101AP	EEE-HD1V101AP	100	35	10	10.2	101	0.8	0.14				
667-EEE-HD1V221AP	EEE-HD1V221AP	220	35	10	10.2	220	0.8	0.14				
667-EEE-HD1HR47R	EEE-HD1HR47R	0.47	50	4	5.8	5	12	0.12				
667-EEE-HD1H1R0R	EEE-HD1H1R0R	1.0	50	4	5.8	7	12	0.12				
667-EEE-HD1H2R2R	EEE-HD1H2R2R	2.2	50	4	5.8	12	12	0.12				
667-EEE-HD1H3R3R	EEE-HD1H3R3R	3.3	50	4	5.8	16	12	0.12				
667-EEE-HD1H4R7R	EEE-HD1H4R7R	4.7	50	5	5.8	21	7.2	0.12				
667-EEE-HD1H100P	EEE-HD1H100P	10	50	6.3	5.8	33	4	0.12				
667-EEE-HD1H220P	EEE-HD1H220P	22	50	8	6.2	50	2	0.14				
667-EEE-HD1H330P	EEE-HD1H330P	33	50	8	10.2	74	1.5	0.14				
667-EEE-HD1H470P	EEE-HD1H470P	47	50	10	10.2	94	0.8	0.14				
667-EEE-HD1H101P	EEE-HD1H101P	100	50	10	10.2	94	0.8	0.14				
667-EEE-HD1J100P	EEE-HD1J100P	10	63	8	6.2	45	2	0.18				
667-EEE-HD1J220P	EEE-HD1J220P	22	63	8	10.2	65	1.5	0.18				
667-EEE-HD1J330P	EEE-HD1J330P	33	63	10	10.2	80	0.8	0.18				
667-EEE-HD2A3R3P	EEE-HD2A3R3P	3.3	100	8	6.2	30	2	0.18				
667-EEE-HD2A4R7P	EEE-HD2A4R7P	4.7	100	8	10.2	50	1.5	0.18				
667-EEE-HD2A100P	EEE-HD2A100P	10	100	8	10.2	55	1.5	0.18				
667-EEE-HD2A220P	EEE-HD2A220P	22	100	10	10.2	70	0.8	0.18				

SMD FP SERIES, TYPE V

Specifications:

- Category Temp. Range: -55°C to +105°C
- Rated W.V. Range: 6.3V.DC to 50V.DC
- Nominal Cap Range: 10µF to 1800µF
- Capacitance Tolerance: ±20% (120Hz/±20°C)
- DC Leakage Current: 1 ≤ 0.01 CV or 3 (µA) After 2 minutes (Whichever is greater)

Features:

- Low ESR (30% to 50% less than FK series)
- Endurance: 2000h at 105°C
- Vibration-proof product is available upon request (ø8 ≤)
- RoHS directive compliant

This product is RoHS compliant.

Marking

Rated Voltage Mark

I	6.3 V	E	25 V
A	10 V	V	35 V
C	16 V	H	50 V

DIMENSIONS: mm (in.) not to scale

Size Code	D	L	A, B	H Max.	I	W	P	K
B	4.0	5.8	4.3	5.5	1.8	0.65±0.1	1.0	0.35±0.20 to +0.15
C	5.0	5.8	5.3	6.5	2.2	0.65±0.1	1.5	0.35±0.20 to +0.15
D	6.3	5.8	6.6	7.8	2.6	0.65±0.1	1.8	0.35±0.20 to +0.15
D8	6.3	7.7	6.6	7.8	2.6	0.65±0.1	1.8	0.35±0.20 to +0.15
E	8.0	6.2	8.3	9.5	3.4	0.65±0.1	2.2	0.35±0.20 to +0.15
F	8.0	10.2	8.3	10.0	3.4	0.90±0.2	3.1	0.70±0.20
G	10.0	10.2	10.3	12.0	3.5	0.90±0.2	4.6	0.70±0.20

Panasonic Aluminum Caps, SMD



MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	Voltage (VDC)	Case Size (mm)		Ripple Current 100KHz mA r.m.s.	E.S.R. 100 KHz Ω	D.F. % @ 120Hz	Price Each			
				Dia.	Length				1	25	100	500
667-EEE-FP0J220AR	EEE-FP0J220AR	22	6.3	4	5.8	160	0.85	0.26				
667-EEE-FP0J470AR	EEE-FP0J470AR	47	6.3	5	5.8	240	0.36	0.26				
667-EEE-FPJ470UAR	EEE-FPJ470UAR	47	6.3	4	5.8	160	0.85	0.26				
667-EEE-FP0J101AP	EEE-FP0J101AP	100	6.3	6.3	5.8	300	0.26	0.26				
667-EEE-FPJ101UAR	EEE-FPJ101UAR	100	6.3	5	5.8	240	0.36	0.26				
667-EEE-FP0J221AP	EEE-FP0J221AP	220	6.3	6.3	5.8	300	0.26	0.26				
667-EEE-FP0J331AP	EEE-FP0J331AP	330	6.3	8	6.2	500	0.18	0.26				
667-EEE-FPJ331XAP	EEE-FPJ331XAP	330	6.3	6.3	7.7	600	0.16	0.26				
667-EEE-FP0J471AP	EEE-FP0J471AP	470	6.3	8	10.2	850	0.08	0.26				
667-EEE-FP0J102AP	EEE-FP0J102AP	1000	6.3	8	10.2	850	0.08	0.26				
667-EEE-FP0J152AP	EEE-FP0J152AP	1500	6.3	10	10.2	1190	0.06	0.26				
667-EEE-FPJ182UAP	EEE-FPJ182UAP	1800	6.3	10	10.2	850	0.08	0.26				
667-EEE-FP1A220AR	EEE-FP1A220AR	22	10	4	5.8	160	0.85	0.19				
667-EEE-FP1A330AR	EEE-FP1A330AR	33	10	5	5.8	240	0.36	0.19				
667-EEE-FPA330UAR	EEE-FPA330UAR	33	10	4	5.8	160	0.85	0.19				
667-EEE-FP1A151AP	EEE-FP1A151AP	150	10	6.3	5.8	300	0.26	0.19				
667-EEE-FP1A221AP	EEE-FP1A221AP	220	10	8	6.2	500	0.18	0.19				
667-EEE-FPA221XAP	EEE-FPA221XAP	220	10	6.3	7.7	600	0.16	0.19				
667-EEE-FP1A331AP	EEE-FP1A331AP	330	10	8	10.2	850	0.08	0.19				
667-EEE-FP1A471AP	EEE-FP1A471AP	470	10	8	10.2	850	0.08	0.19				
667-EEE-FP1A681AP	EEE-FP1A681AP	680	10	8	10.2	850	0.08	0.19				
667-EEE-FP1A102AP	EEE-FP1A102AP	1000	10	10	10.2	1190	0.06	0.19				
667-EEE-FPA122UAP	EEE-FPA122UAP	1200	10	10	10.2	850	0.08	0.19				
667-EEE-FP1C100AR	EEE-FP1C100AR	10	16	4	5.8	160	0.85	0.16				
667-EEE-FP1C220AR	EEE-FP1C220AR	22	16	5	5.8	240	0.36	0.16				
667-EEE-FPC220UAR	EEE-FPC220UAR	22	16	4	5.8	160	0.85	0.16				
667-EEE-FP1C470AP	EEE-FP1C470AP	47	16	6.3	5.8	300	0.26	0.16				
667-EEE-FPC470UAR	EEE-FPC470UAR	47	16	5	5.8	240	0.36	0.16				
667-EEE-FP1C680AP	EEE-FP1C680AP	68	16	6.3	5.8	300	0.26	0.16				
667-EEE-FP1C101AP	EEE-FP1C101AP	100	16	6.3	5.8	300	0.26	0.16				
667-EEE-FPC101XAP	EEE-FPC101XAP	100	16	6.3	7.7	600	0.16	0.16				
667-EEE-FPC151XAP	EEE-FPC151XAP	150	16	6.3	7.7	600	0.16	0.16				
667-EEE-FP1C221AP	EEE-FP1C221AP	220	16	8	6.2	500	0.18	0.16				
667-EEE-FPC221XAP	EEE-FPC221XAP	220	16	6.3	7.7	600	0.16	0.16				
667-EEE-FP1C331AP	EEE-FP1C331AP	330	16	8	10.2	850	0.08	0.16				
667-EEE-FP1C471AP	EEE-FP1C471AP	470	16	8	10.2	850	0.08	0.16				
667-EEE-FP1C681AP	EEE-FP1C681AP	680	16	10	10.2	1190	0.06	0.16				
667-EEE-FPC821UAP	EEE-FPC821UAP	820	16	10	10.2	850	0.08	0.16				
667-EEE-FP1E100AR	EEE-FP1E100AR	10	25	4	5.8	160	0.85	0.14				
667-EEE-FP1E220AR	EEE-FP1E220AR	22	25	5	5.8	240	0.36	0.14				
667-EEE-FP1E330AP	EEE-FP1E330AP	33	25	6.3	5.8	300	0.26	0.14				
667-EEE-FPE330UAR	EEE-FPE330UAR	33	25	5	5.8	240	0.36	0.14				
667-EEE-FP1E470AP	EEE-FP1E470AP	47	25	6.3	5.8	300	0.26	0.14				
667-EEE-FP1E680AP	EEE-FP1E680AP	68	25	6.3	5.8	300	0.26	0.14				
667-EEE-FP1E101AP	EEE-FP1E101AP	100	25	8	6.2	500	0.18	0.14				
667-EEE-FPE101XAP	EEE-FPE101XAP	100	25	6.3	7.7	600	0.16	0.14				
667-EEE-FP1E151AP	EEE-FP1E151AP	150	25	8	10.2	850	0.08	0.14				
667-EEE-FP1E221AP	EEE-FP1E221AP	220	25	8	10.2	850	0.08	0.14				
667-EEE-FP1E331AP	EEE-FP1E331AP	330	25	8	10.2	850	0.08	0.14				
667-EEE-FP1E471AP	EEE-FP1E471AP	470	25	10	10.2	1190	0.06	0.14				
667-EEE-FPE561UAP	EEE-FPE561UAP	560	25	10	10.2	850	0.08	0.14				
667-EEE-FPV100UAR	EEE-FPV100UAR	10	35	4	5.8	160	0.85	0.12				
667-EEE-FP1V220AR	EEE-FP1V220AR	22	35	5	5.8	240	0.36	0.12				
667-EEE-FP1V330AP	EEE-FP1V330AP	33	35	6.3	5.8	300	0.26	0.12				
667-EEE-FP1V470AP	EEE-FP1V470AP	47	35	6.3	5.8	300	0.26	0.12				
667-EEE-FPV680XAP	EEE-FPV680XAP	68	35	6.3	7.7	600	0.16	0.12				
667-EEE-FP1V101AP	EEE-FP1V101AP	100	35	8	10.2	850	0.08	0.12				
667-EEE-FPV101XAP	EEE-FPV101XAP	100	35	6.3	7.7	600	0.16	0.12				
667-EEE-FP1V151AP	EEE-FP1V151AP	150	35	8	10.2	850	0.08	0.12				
667-EEE-FP1V221AP	EEE-FP1V221AP	220	35	8	10.2	850	0.08	0.12				
667-EEE-FP1V331AP	EEE-FP1V331AP	330	35	10	10.2	1190	0.06	0.12				
667-EEE-FPV391UAP	EEE-FPV391UAP	390	35	10	10.2	850	0.08	0.12				
667-EEE-FP1H101AP	EEE-FP1H101AP	100	50	8	10.2	670	0.18	0.10				
667-EEE-FP1H221AP	EEE-FP1H221AP	220	50	10	10.2	900	0.12	0.10				

SMD FK SERIES, TYPE V

This product is RoHS compliant.

Specifications:

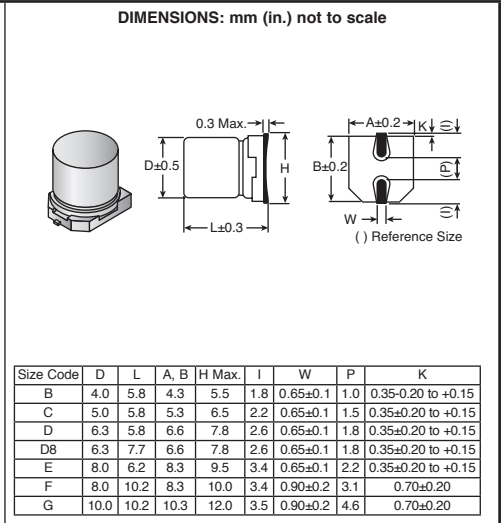
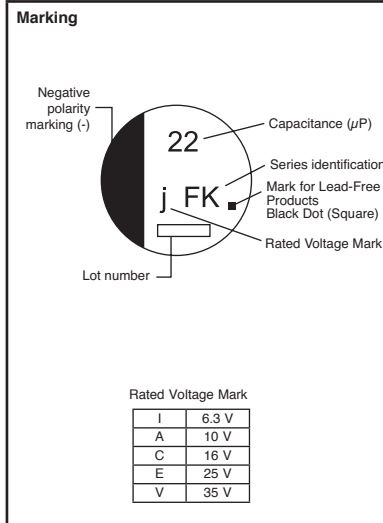
- Category Temp. Range: -55°C to +105°C
- Rated W.V. Range: 6.3V.DC to 35V.DC
- Nominal Cap Range: 4.7µF to 1500µF
- Capacitance Tolerance: ±20% (120Hz/+20°C)
- DC Leakage Current: 1 ≤ 0.01 CV or 3 (µA) After 2 minutes (Whichever is greater)

Features:

- Endurance: 2000h at 105°C
- Low ESR (40% to 60% less than FC series)
Miniaturized (30% to 50% less than FC Series)
- Vibration-proof product is available upon request (ø8 ≤)
- RoHS directive compliant



RoHS Compliant



Aluminum Caps, SMD Panasonic

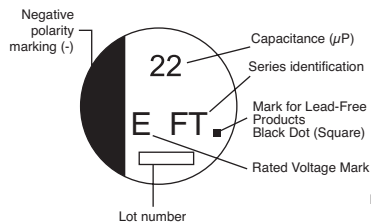
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	Voltage (VDC)	Case Size		Ripple Current 100KHz mA r.m.s.	E.S.R. 100 KHz Ω	D.F. % @ 120Hz	Price Each			
				Dia. (mm)	Length (mm)				1	25	100	500
667-EEE-FK0J220AR	EEE-FK0J220AR	22	6.3	4	5.8	90	1.35	0.26				
667-EEE-FKJ470UAR	EEE-FKJ470UAR	47	6.3	4	5.8	90	1.35	0.26				
667-EEE-FK0J470AR	EEE-FK0J470AR	47	6.3	5	5.8	160	0.7	0.26				
667-EEE-FKJ101UAR	EEE-FKJ101UAR	100	6.3	5	5.8	160	0.7	0.26				
667-EEE-FK0J101AP	EEE-FK0J101AP	100	6.3	6.3	5.8	240	0.36	0.26				
667-EEE-FK0J221AP	EEE-FK0J221AP	220	6.3	6.3	5.8	240	0.36	0.26				
667-EEE-FKJ331XAP	EEE-FKJ331XAP	330	6.3	6.3	7.7	280	0.34	0.26				
667-EEE-FK0J331AP	EEE-FK0J331AP	330	6.3	8	6.2	300	0.26	0.26				
667-EEE-FK0J471AP	EEE-FK0J471AP	470	6.3	8	10.2	600	0.16	0.26				
667-EEE-FK0J102AP	EEE-FK0J102AP	1000	6.3	8	10.2	600	0.16	0.26				
667-EEE-FK0J152AP	EEE-FK0J152AP	1500	6.3	10	10.2	850	0.08	0.26				
667-EEE-FK1A220AR	EEE-FK1A220AR	22	10	4	5.8	90	1.35	0.19				
667-EEE-FKA330UAR	EEE-FKA330UAR	33	10	4	5.8	90	1.35	0.19				
667-EEE-FK1A330AR	EEE-FK1A330AR	33	10	5	5.8	160	0.7	0.19				
667-EEE-FK1A151AP	EEE-FK1A151AP	150	10	6.3	5.8	240	0.36	0.19				
667-EEE-FKA221XAP	EEE-FKA221XAP	220	10	6.3	7.7	280	0.34	0.19				
667-EEE-FK1A221AP	EEE-FK1A221AP	220	10	8	6.2	300	0.26	0.19				
667-EEE-FK1A331AP	EEE-FK1A331AP	330	10	8	10.2	600	0.16	0.19				
667-EEE-FK1A471AP	EEE-FK1A471AP	470	10	8	10.2	600	0.16	0.19				
667-EEE-FK1A681AP	EEE-FK1A681AP	680	10	8	10.2	600	0.16	0.19				
667-EEE-FK1A102AP	EEE-FK1A102AP	1000	10	10	10.2	850	0.08	0.19				
667-EEE-FK1C100AR	EEE-FK1C100AR	10	16	4	5.8	90	1.35	0.16				
667-EEE-FKC220UAR	EEE-FKC220UAR	22	16	4	5.8	90	1.35	0.16				
667-EEE-FK1C220AR	EEE-FK1C220AR	22	16	5	5.8	160	0.7	0.16				
667-EEE-FKC470UAR	EEE-FKC470UAR	47	16	5	5.8	160	0.7	0.16				
667-EEE-FK1C470AP	EEE-FK1C470AP	47	16	6.3	5.8	240	0.36	0.16				
667-EEE-FK1C680AP	EEE-FK1C680AP	68	16	6.3	5.8	240	0.36	0.16				
667-EEE-FK1C101AP	EEE-FK1C101AP	100	16	6.3	5.8	240	0.36	0.16				
667-EEE-FKC151XAP	EEE-FKC151XAP	150	16	6.3	7.7	280	0.34	0.16				
667-EEE-FKC221XAP	EEE-FKC221XAP	220	16	6.3	7.7	280	0.34	0.16				
667-EEE-FK1C221AP	EEE-FK1C221AP	220	16	8	6.2	300	0.26	0.16				
667-EEE-FK1C331AP	EEE-FK1C331AP	330	16	8	10.2	600	0.16	0.16				
667-EEE-FK1C471AP	EEE-FK1C471AP	470	16	8	10.2	600	0.16	0.16				
667-EEE-FK1C681AP	EEE-FK1C681AP	680	16	10	10.2	850	0.08	0.16				
667-EEE-FK1E100AR	EEE-FK1E100AR	10	25	4	5.8	90	1.35	0.14				
667-EEE-FK1E220AR	EEE-FK1E220AR	22	25	5	5.8	160	0.7	0.14				
667-EEE-FKE330UAR	EEE-FKE330UAR	33	25	5	5.8	160	0.7	0.14				
667-EEE-FK1E330AP	EEE-FK1E330AP	33	25	6.3	5.8	240	0.36	0.14				
667-EEE-FK1E470AP	EEE-FK1E470AP	47	25	6.3	5.8	240	0.36	0.14				
667-EEE-FK1E680AP	EEE-FK1E680AP	68	25	6.3	5.8	240	0.36	0.14				
667-EEE-FKE101XAP	EEE-FKE101XAP	100	25	6.3	7.7	280	0.34	0.14				
667-EEE-FK1E101AP	EEE-FK1E101AP	100	25	8	6.2	300	0.26	0.14				
667-EEE-FK1E151AP	EEE-FK1E151AP	150	25	8	10.2	600	0.16	0.14				
667-EEE-FK1E221AP	EEE-FK1E221AP	220	25	8	10.2	600	0.16	0.14				
667-EEE-FK1E331AP	EEE-FK1E331AP	330	25	8	10.2	600	0.16	0.14				
667-EEE-FK1E471AP	EEE-FK1E471AP	470	25	10	10.2	850	0.08	0.14				
667-EEE-FK1V4R7AR	EEE-FK1V4R7AR	4.7	35	4	5.8	90	1.35	0.12				
667-EEE-FKV100UAR	EEE-FKV100UAR	10	35	4	5.8	90	1.35	0.12				
667-EEE-FK1V100AR	EEE-FK1V100AR	10	35	5	5.8	160	0.7	0.12				
667-EEE-FK1V220AR	EEE-FK1V220AR	22	35	5	5.8	160	0.7	0.12				
667-EEE-FK1V330AP	EEE-FK1V330AP	33	35	6.3	5.8	240	0.36	0.12				
667-EEE-FK1V470AP	EEE-FK1V470AP	47	35	6.3	5.8	240	0.36	0.12				
667-EEE-FKV680XAP	EEE-FKV680XAP	68	35	6.3	7.7	280	0.34	0.12				
667-EEE-FK1V101AP	EEE-FK1V101AP	100	35	8	10.2	600	0.16	0.12				
667-EEE-FK1V151AP	EEE-FK1V151AP	150	35	8	10.2	600	0.16	0.12				
667-EEE-FK1V221AP	EEE-FK1V221AP	220	35	8	10.2	600	0.16	0.12				
667-EEE-FK1V331AP	EEE-FK1V331AP	330	35	10	10.2	850	0.08	0.12				



This product is RoHS compliant.

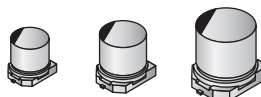
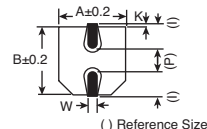
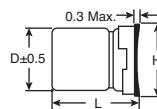
Marking



Rated Voltage Mark

I	6.3 V
A	10 V
C	16 V
E	25 V
V	35 V
H	50 V

DIMENSIONS: mm (in.) not to scale



Size Code	D	L	A, B	H Max.	I	W	P	K
B	4.0	5.8	4.3	5.5	1.8	0.65±0.1	1.0	0.35-0.20 to +0.15
C	5.0	5.8	5.3	6.5	2.2	0.65±0.1	1.5	0.35±0.20 to +0.15
D	6.3	5.8	6.6	7.8	2.6	0.65±0.1	1.8	0.35±0.20 to +0.15
DB	6.3	7.7	6.6	7.8	2.6	0.65±0.1	1.8	0.35±0.20 to +0.15
E	8.0	6.2	8.3	9.5	3.4	0.65±0.1	2.2	0.35±0.20 to +0.15
F	8.0	10.2	8.3	10.0	3.4	0.90±0.2	3.1	0.70±0.20
G	10.0	10.2	10.3	12.0	3.5	0.90±0.2	4.6	0.70±0.20

SMD FT SERIES, TYPE V

Specifications:

- Category Temp. Range: -55°C to +105°C
- Capacitance Tolerance: ±20% (120Hz/+20°C)
- DC Leakage Current: 1 < 0.01 CV After 2 minutes

Features:

- Endurance: 2000h at 105°C
- Miniaturized, Low ESR (1 size smaller than series FK)
- Vibration-proof product is available upon request. (φ8 -)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Volt. (VDC)	Case Size (mm)		Ripple Curr. 100KHz mA r.m.s.	E.S.R. 100 KHz Ω	Price Each		
Mfr.	Mfr. Part No.			Dia.	Length			1	100	500
667	—EEE-FTH100UAR	10	50	4	5.8	85	2.30			
667	—EEE-FT1H100AR	10	50	5	5.8	165	0.88			
667	—EEE-FT1E220AR	22	25	4	5.8	160	0.85			
667	—EEE-FT1V220AR	22	35	4	5.8	160	0.85			
667	—EEE-FT1H220AR	22	50	5	5.8	165	0.88			
667	—EEE-FT1E330AR	33	25	4	5.8	160	0.85			
667	—EEE-FT1V330AR	33	35	5	5.8	240	0.36			
667	—EEE-FTC331XAP	47	16	4	5.8	160	0.85			
667	—EEE-FT1E470AR	47	25	5	5.8	240	0.36			
667	—EEE-FT1V470AR	47	35	5	5.8	240	0.36			
667	—EEE-FT1H470AP	47	50	6.3	5.8	195	0.68			
667	—EEE-FT1C101AR	68	10	4	5.8	160	0.85			
667	—EEE-FTA471XAP	68	16	5	5.8	240	0.36			
667	—EEE-FT1E680AR	68	25	5	5.8	240	0.36			
667	—EEE-FT1V680AP	68	35	6.3	5.8	300	0.26			
667	—EEE-FT1C681AP	100	16	5	5.8	240	0.36			
667	—EEE-FT1E101AP	100	25	6.3	5.8	300	0.26			
667	—EEE-FT1V101AP	100	35	6.3	5.8	300	0.26			
667	—EEE-FTH101XAP	100	50	6.3	7.7	350	0.34			
667	—EEE-FT1A151AR	150	10	5	5.8	240	0.36			
667	—EEE-FT1A102AP	150	16	6.3	5.8	300	0.26			



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Volt. (VDC)	Case Size (mm)		Ripple Curr. 100KHz mA r.m.s.	E.S.R. 100 KHz Ω	Price Each		
Mfr.	Mfr. Part No.			Dia.	Length			1	100	500
667	—EEE-FTE151XAP	150	25	6.3	7.7	600	0.16			
667	—EEE-FTV151XAP	150	35	6.3	7.7	600	0.16			
667	—EEE-FT1A680AR	220	6.3	5	5.8	240	0.36			
667	—EEE-FT1C151AP	220	10	6.3	5.8	300	0.26			
667	—EEE-FT1C102AP	220	16	6.3	5.8	300	0.26			
667	—EEE-FTE221XAP	220	25	6.3	7.7	600	0.16			
667	—EEE-FT1H221AP	220	50	8	10.2	670	0.18			
667	—EEE-FT0J221AR	330	10	6.3	7.7	600	0.16			
667	—EEE-FT0J152AP	330	16	6.3	7.7	600	0.16			
667	—EEE-FT1V331AP	330	35	8	10.2	850	0.08			
667	—EEE-FT1H331AP	330	50	10	10.2	900	0.12			
667	—EEE-FT1A221AP	470	10	6.3	7.7	600	0.16			
667	—EEE-FT1E471AP	470	25	8	10.2	850	0.08			
667	—EEE-FT1V561AP	560	35	10	10.2	1190	0.06			
667	—EEE-FT1A152AP	680	16	8	10.2	850	0.08			
667	—EEE-FT1E821AP	820	25	10	10.2	1190	0.06			
667	—EEE-FT1C221AP	1000	10	8	10.2	850	0.08			
667	—EEE-FT0J222AP	1000	16	10	10.2	1190	0.06			
667	—EEE-FT1C680AR	1500	6.3	8	10.2	850	0.08			
667	—EEE-FTA331XAP	1500	10	10	10.2	1190	0.06			
667	—EEE-FT0J101AR	2200	6.3	10	10.2	1190	0.06			

SMD FC SERIES, TYPE V

Specifications:

- Category Temp. Range: -40°C to +105°C
- Capacitance Tolerance: ±20% (120Hz/+20°C)
- DC Leakage Current: 1 ≤ 0.01 CV or 3 (μA) After 2 minutes (Whichever is greater)

Features:

- Endurance: 1000h at 105°C
- Low impedance (1/2 for HA series)
- Vibration-proof product is available upon request (φ8 -)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Volt. (VDC)	Case Size (mm)		Ripple Curr. 100KHz mA r.m.s.	E.S.R. 100 KHz Ω	Price Each		
Mfr.	Mfr. Part No.			Dia.	Length			1	100	500
667	—EEE-FC0J220AR	22	6.3	4.0	5.4	60	0.26			
667	—EEE-FC0J470AR	47	6.3	5.0	5.4	95	0.26			
667	—EEE-FC0J680AP	68	6.3	6.3	5.4	140	0.26			
667	—EEE-FC0J101AP	100	6.3	6.3	5.4	140	0.26			
667	—EEE-FC0J221AP	220	6.3	8.0	6.2	230	0.26			
667	—EEE-FC0J331AP	330	6.3	8.0	10.2	450	0.26			
667	—EEE-FC0J152AP	1500	6.3	10	10.2	670	0.26			
667	—EEE-FC1A330AR	33	10	5.0	5.4	95	0.19			
667	—EEE-FC1A101AP	100	10	8.0	6.2	230	0.19			
667	—EEE-FC1A151AP	150	10	8.0	6.2	230	0.19			
667	—EEE-FC1A221AP	220	10	8.0	10.2	450	0.19			
667	—EEE-FC1A471AP	470	10	10	10.2	670	0.19			
667	—EEE-FC1A102AP	1000	10	10	10.2	670	0.19			
667	—EEE-FC1C100AR	10	16	4.0	5.4	60	0.16			
667	—EEE-FC1C220AR	22	16	5.0	5.4	95	0.16			
667	—EEE-FC1C470AP	47	16	6.3	5.4	140	0.16			
667	—EEE-FC1C680AP	68	16	8.0	6.2	230	0.16			
667	—EEE-FC1C101AP	100	16	8.0	6.2	230	0.16			
667	—EEE-FC1C221AP	220	16	10	10.2	670	0.16			
667	—EEE-FC1C331AP	330	16	10	10.2	670	0.16			
667	—EEE-FC1C471AP	470	16	10	10.2	670	0.16			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Volt. (VDC)	Case Size (mm)		Ripple Curr. 100KHz mA r.m.s.	E.S.R. 100 KHz Ω	Price Each		
Mfr.	Mfr. Part No.			Dia.	Length			1	100	500
667	—EEE-FC1C681AP	680	16	10	10.2	670	0.16			
667	—EEE-FC1E6R8AR	6.8	25	4.0	5.4	60	0.14			
667	—EEE-FC1E220AP	22	25	6.3	5.4	140	0.14			
667	—EEE-FC1E330AP	33	25	6.3	5.4	140	0.14			
667	—EEE-FC1E470AP	47	25	8.0	6.2	230	0.14			
667	—EEE-FC1E680AP	68	25	8.0	10.2	450	0.14			
667	—EEE-FC1E101AP	100	25	8.0	10.2	450	0.14			
667	—EEE-FC1E221AP	220	25	10	10.2	670	0.14			
667	—EEE-FC1E331AP	330	25	10	10.2	670	0.14			
667	—EEE-FC1E471AP	470	25	10	10.2	670	0.14			
667	—EEE-FC1V1R0AR	1.0	35	4.0	5.4	60	0.12			
667	—EEE-FC1V2R2AR	2.2	35	4.0	5.4	60	0.12			
667	—EEE-FC1V3R3AR	3.3	35	4.0	5.4	60	0.12			
667	—EEE-FC1V4R7AR	4.7	35	4.0	5.4	60	0.12			
667	—EEE-FC1V6R8AR	6.8	35	5.0	5.4	95	0.12			
667	—EEE-FC1V100AR	10	35	5.0	5.4	95	0.12			
667	—EEE-FC1V330AP	33	35	8.0	6.2	230	0.12			
667	—EEE-FC1V101AP	100	35	10	10.2	670	0.12			
667	—EEE-FC1V221AP	220	35	10	10.2	670	0.12			
667	—EEE-FC1V331AP	330	35	10	10.2	670	0.12			

UCC Alchip™ MVH 125°C SMD Aluminum Series



RoHS Compliant This product is RoHS compliant.

MVH SERIES ALUMINUM CAPACITORS

The MVH series is suitable for automotive and other high temperature applications.

Specifications:

- Operating Temperature: -40°C to +125°C
- Voltage Range: 10VDC to 450VDC
- Capacitance Range: 3.3µF to 4700µF
- Capacitance Tolerance: ±20%
- Rated Lifetime:
 - F60 to H63 (10-100VDC): 1000 hrs. @ 125°C
 - HA0 to JA0 (10-100VDC): 2000 hrs. @ 125°C
 - KE0 to MN0 (10-100VDC): 5000 hrs. @ 125°C
 - KE0 to MN0 (160-450VDC): 2000 hrs. @ 125°C

Features:

- High heat resistance to reflow soldering
- Lead free design
- Solvent proof (10V-50V)



Size code	D	L	A	B	C	W	P
F60	6.3	5.7	6.6	6.6	7.2	0.5 to 0.8	1.9
F80	6.3	7.7	6.6	6.6	7.2	0.5 to 0.8	1.9
H63	8	6.3	8.3	8.3	9.0	0.5 to 0.8	2.3
HA0	8	10.0	8.3	8.3	9.0	0.7 to 1.1	3.1
JA0	10	10.0	10.3	10.3	11.0	0.7 to 1.1	4.5
KE0	12.5	13.5	13.0	13.0	13.7	1.0 to 1.3	4.2
KG5	12.5	16.0	13.0	13.0	13.7	1.0 to 1.3	4.2
LH0	16	16.5	17.0	17.0	18.0	1.0 to 1.3	6.5
LN0	16	21.5	17.0	17.0	18.0	1.0 to 1.3	6.5
MH0	18	16.5	19.0	19.0	20.0	1.0 to 1.3	6.5
MN0	18	21.5	19.0	19.0	20.0	1.0 to 1.3	6.5

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Max ESR (MΩ) @ 100kHz		Price Each	
				20°C	-40°C	1	50
10 Volts							
661-MVH10V101M	EMVH100ADA101MH63G	100	H63	2.3	46.0		
661-MVH10V221M	EMVH100ADA221MHA0G	220	HA0	1.0	20.0		
661-MVH10V331M	EMVH100ADA331MJA0G	330	JA0	0.70	13.4		
661-MVH10V102M	EMVH100ARA102MKE0S	1000	KE0	0.14	2.1		
661-MVH10V222M	EMVH100GDA222MLH0S	2200	LH0	0.1	1.5		
16 Volts							
661-MVH16V470M	EMVH160ADA470MF60G	47	F60	3.3	66.0		
661-MVH16V471M	EMVH160ARA471MKE0S	470	KE0	0.14	2.1		
661-MVH16V681M	EMVH160ARA681MKE0S	680	KE0	0.14	2.1		
661-MVH16V102M	EMVH160GDA102MMH0S	1000	MH0	0.1	1.5		
661-MVH16V222M	EMVH160GDA222MMH0S	2200	MH0	0.1	1.5		
25 Volts							
661-MVH25V330M	EMVH250ADA330MF60G	33	F60	3.3	66.0		
661-MVH25V470M	EMVH250ADA470MF80G	47	F80	2.3	46.0		
661-MVH25V470MH	EMVH250ADA470MH63G	47	H63	2.3	46.0		
661-MVH25V101M	EMVH250ADA101MHA0G	100	HA0	1.0	20.0		
661-EMVH250ADA221M	EMVH250ADA221MHA0G	220	HA0	0.40	6.0		
661-MVH25V221M	EMVH250ADA221MJA0G	220	JA0	0.70	13.4		
661-MVH25V331M	EMVH250ARA331MKE0S	330	KE0	0.14	2.1		
661-EMVH250ADA331M	EMVH250ADA331MJA0G	330	JA0	0.30	4.5		
661-MVH25V471M	EMVH250ARA471MKE0S	470	KE0	0.14	2.1		
661-MVH25V471ML	EMVH250GDA471MLH0S	470	LH0	0.1	1.5		
661-MVH25V681M	EMVH250GDA681MLH0S	680	LH0	0.1	1.5		
661-MVH25V681MH	EMVH250GDA681MMH0S	680	MH0	0.1	1.5		
661-MVH25V102M	EMVH250GDA102MMN0S	1000	MN0	0.058	0.87		
35 Volts							
661-MVH35V100M	EMVH350ADA100MF60G	10	F60	3.3	66.0		
661-MVH35V220M	EMVH350ADA220MF60G	22	F60	3.3	66.0		
661-MVH35V330M	EMVH350ADA330MF80G	33	F80	2.3	46.0		
661-MVH35V330MH	EMVH350ADA330MH63G	33	H63	2.3	46.0		
661-MVH35V470M	EMVH350ADA470MHA0G	47	HA0	1.0	20.0		
661-EMVH350ADA101M	EMVH350ADA101MHA0G	100	HA0	0.40	4.5		
661-MVH35V101M	EMVH350ADA101MJA0G	100	JA0	0.70	13.4		
661-MVH35V331M	EMVH350ARA331MKE0S	330	KE0	0.14	2.1		
661-MVH35V331ML	EMVH350GDA331MLH0S	330	LH0	0.1	1.5		
661-MVH35V471M	EMVH350ARA471MKG5S	470	KG5	0.11	1.5		
661-MVH35V471ML	EMVH350GDA471MLH0S	470	LH0	0.1	1.5		
661-MVH35V681M	EMVH350GDA681MMH0S	680	MH0	0.1	1.5		
50 Volts							
661-MVH50V100M	EMVH500ADA100MF60G	10	F60	3.3	66.0		
661-MVH50V220M	EMVH500ADA220MF80G	22	F80	2.3	46.0		
661-MVH50V220MH	EMVH500ADA220MH63G	22	H63	2.3	46.0		
661-MVH50V330M	EMVH500ADA330MHA0G	33	HA0	1.0	20.0		
661-MVH50V470M	EMVH500ADA470MJA0G	47	JA0	0.70	13.4		
60 Volts							
661-MVH60V100M	EMVH600ADA100MF60G	10	F60	3.3	66.0		
661-MVH60V220M	EMVH600ADA220MF80G	22	F80	2.3	46.0		
661-MVH60V330M	EMVH600ADA330MH63G	33	H63	2.3	46.0		
661-MVH60V470M	EMVH600ADA470MHA0G	47	HA0	1.0	20.0		
661-MVH60V101M	EMVH600ARA101MKE0S	100	KE0	0.23	3.5		
661-MVH60V221M	EMVH600GDA221MLH0S	220	LH0	0.15	2.3		
661-MVH60V331M	EMVH600GDA331MLH0S	330	LH0	0.15	2.3		
661-MVH60V471M	EMVH600GDA471MMH0S	470	MH0	0.15	2.3		
63 Volts							
661-MVH63V100M	EMVH630ADA100MF80G	10	F80	2.3	115.0		
661-MVH63V100MF	EMVH630ADA100MH63G	10	H63	2.3	115.0		
661-MVH63V220M	EMVH630ADA220MHA0G	22	HA0	1.0	50.0		
661-MVH63V330M	EMVH630ADA330MJA0G	33	JA0	0.70	35.0		
661-MVH63V101M	EMVH630ARA101MKE0S	100	KE0	0.25	12.5		
661-MVH63V221M	EMVH630ARA221MKG5S	220	KG5	0.20	10.0		
661-MVH63V331M	EMVH630GDA331MLH0S	330	LH0	0.18	9.0		
661-MVH63V471M	EMVH630GDA471MLN0S	470	LN0	0.11	5.5		
100 Volts							
661-MVH100V100M	EMVH101ADA100MHA0G	10	HA0	1.0	50.0		
661-MVH100V220M	EMVH101ADA220MJA0G	22	JA0	0.70	35.0		
661-MVH100V470M	EMVH101ARA470MKE0S	47	KE0	0.33	16.5		
661-MVH100V680M	EMVH101ARA680MKG5S	68	KG5	0.26	13.0		
661-MVH100V101M	EMVH101GDA101MLH0S	100	LH0	0.24	12.0		
661-MVH100M221M	EMVH101GDA221MMN0S	220	MN0	0.16	8.0		
160 Volts							
661-MVH160V100M	EMVH161ARA100MKE0S	10	KE0	-	-		
661-MVH160V330M	EMVH161GDA330MMH0S	33	MH0	-	-		
200 Volts							
661-MVH200V100M	EMVH201ARA100MKE0S	10	KE0	-	-		
661-MVH200V330M	EMVH201GDA330MLN0S	33	LN0	-	-		
661-MVH200V470M	EMVH201GDA470MMN0S	47	MN0	-	-		
250 Volts							
661-MVH250V100M	EMVH251ARA100MKG5S	10	KG5	-	-		
661-MVH250V220MH	EMVH251GDA220MMH0S	22	MH0	-	-		
400 Volts							
661-MVH400V4R7M	EMVH401ARA4R7MKE0S	4.7	KE0	-	-		
661-MVH400V6R8M	EMVH401GDA6R8MLH0S	6.8	LH0	-	-		
661-MVH400V100M	EMVH401GDA100MLN0S	10	LN0	-	-		
450 Volts							
661-MVH450V3R3M	EMVH451ARA3R3MKG5S	3.3	KG5	-	-		
500 Volts							
661-EMVH500ADA470M	EMVH500ADA470MHA0G	470	HA0	0.70	11.0		
661-MVH50V221ML	EMVH500GDA221MLH0S	221	LH0	0.15	2.3		
661-EMVH500GTR471MMH	EMVH500GTR471MMH0S	470	MH0	0.15	2.3		
630 Volts							
661-EMVH630GTR471MLN	EMVH630GTR471MLN0S	470	LN0	0.11	5.5		

For quantities greater than listed, call for quote.

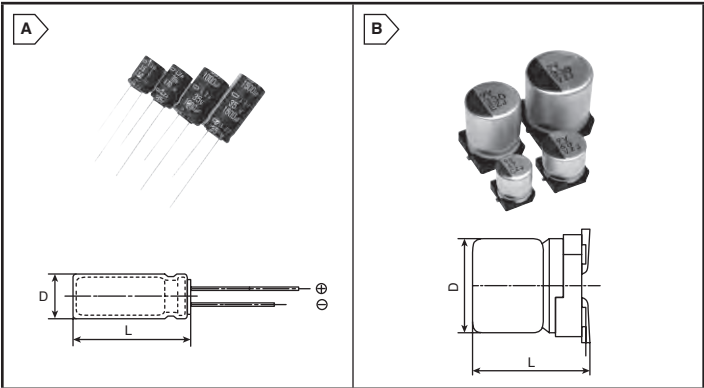
MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Max ESR (MΩ) @ 100kHz		Price Each	
				20°C	-40°C	1	50
50 Volts (Cont.)							
661-MVH50V101M	EMVH500ARA101MKE0S	100	KE0	0.23	3.5		
661-MVH50V221M	EMVH500ARA221MKE0S	220	KE0	0.23	3.5		
661-MVH50V221ML	EMVH500GDA221MLH0S	220	LH0	0.15	2.3		
661-MVH50V331M	EMVH500ARA331MKG5S	330	KG5	0.18	2.7		
661-MVH50V331ML	EMVH500GDA331MLH0S	330	LH0	0.15	2.3		
661-MVH50V471M	EMVH500GDA471MMH0S	470	MH0	0.15	2.3		
63 Volts							
661-MVH63V100M	EMVH630ADA100MF80G	10	F80	2.3	115.0		
661-MVH63V100MF	EMVH630ADA100MH63G	10	H63	2.3	115.0		
661-MVH63V220M	EMVH630ADA220MHA0G	22	HA0	1.0	50.0		
661-MVH63V330M	EMVH630ADA330MJA0G	33	JA0	0.70	35.0		
661-MVH63V101M	EMVH630ARA101MKE0S	100	KE0	0.25	12.5		
661-MVH63V221M	EMVH630ARA221MKG5S	220	KG5	0.20	10.0		
661-MVH63V331M	EMVH630GDA331MLH0S	330	LH0	0.18	9.0		
661-MVH63V471M	EMVH630GDA471MLN0S	470	LN0	0.11	5.5		
100 Volts							
661-MVH100V100M	EMVH101ADA100MHA0G	10	HA0	1.0	50.0		
661-MVH100V220M	EMVH101ADA220MJA0G	22	JA0	0.70	35.0		
661-MVH100V470M	EMVH101ARA470MKE0S	47	KE0	0.33	16.5		
661-MVH100V680M	EMVH101ARA680MKG5S	68	KG5	0.26	13.0		
661-MVH100V101M	EMVH101GDA101MLH0S	100	LH0	0.24	12.0		
661-MVH100M221M	EMVH101GDA221MMN0S	220	MN0	0.16	8.0		
160 Volts							
661-MVH160V100M	EMVH161ARA100MKE0S	10	KE0	-	-		
661-MVH160V330M	EMVH161GDA330MMH0S	33	MH0	-	-		
200 Volts							
661-MVH200V100M	EMVH201ARA100MKE0S	10	KE0	-	-		
661-MVH200V330M	EMVH201GDA330MLN0S	33	LN0	-	-		
661-MVH200V470M	EMVH201GDA470MMN0S	47	MN0	-	-		
250 Volts							
661-MVH250V100M	EMVH251ARA100MKG5S	10	KG5	-	-		
661-MVH250V220MH	EMVH251GDA220MMH0S	22	MH0	-	-		
400 Volts							
661-MVH400V4R7M	EMVH401ARA4R7MKE0S	4.7	KE0	-	-		
661-MVH400V6R8M	EMVH401GDA6R8MLH0S	6.8	LH0	-	-		
661-MVH400V100M	EMVH401GDA100MLN0S	10	LN0	-	-		
450 Volts							
661-MVH450V3R3M	EMVH451ARA3R3MKG5S	3.3	KG5	-	-		
500 Volts							
661-EMVH500ADA470M	EMVH500ADA470MHA0G	470	HA0	0.70	11.0		
661-MVH50V221ML	EMVH500GDA221MLH0S	221	LH0	0.15	2.3		
661-EMVH500GTR471MMH	EMVH500GTR471MMH0S	470	MH0	0.15	2.3		
630 Volts							
661-EMVH630GTR471MLN	EMVH630GTR471MLN0S	470	LN0	0.11	5.5		

UNITED CHEMI-CON Aluminum Electrolytic Capacitors



NEW AT MOUSER

UCC Aluminum Caps, SMD



LBG SERIES 105°C MINIATURE ALUMINUM CAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Fig.	Value (μF)	Case Size DxDL (mm)	Price Each			
					1	100	500	1000
25 Volt								
661-ELBG250ETS172AL1	ELBG250ETS172AL15S	A	1700	16x15				
661-ELBG250EC3192AM1	ELBG250EC3192AM15S	A	1900	18x15				
661-ELBG250ELL222AL2	ELBG250ELL222AL20S	A	2200	16x20				
661-ELBG250ETS272AM2	ELBG250ETS272AM20S	A	2700	18x20				
661-ELBG250ELL422AM2	ELBG250ELL422AM20S	A	4200	18x20				
661-ELBG250ELL452AK4	ELBG250ELL452AK40S	A	4500	12.5x40				
661-ELBG250ELL562ALN	ELBG250ELL562ALN3S	A	5600	16x31.5				
661-ELBG250ETD562ALN	ELBG250ETD562ALN3S	A	5600	16x31.5				
661-ELBG250ELL662ALP	ELBG250ELL662ALP1S	A	6600	16x35.5				
661-ELBG250ELL722AK5	ELBG250ELL722AK55S	A	7200	12.5x55				
661-ELBG250ELL842AMN	ELBG250ELL842AMN3S	A	8400	18x31.5				
661-ELBG250ELL113AM4	ELBG250ELL113AM40S	A	11000	18x40				
35 Volt								
661-ELBG350EC3482AMN	ELBG350EC3482AMN3S	A	4800	18x31.5				
661-ELBG350EC3672AM4	ELBG350EC3672AM40S	A	6700	18x40				
661-ELBG350EC5252AM2	ELBG350EC5252AM20S	A	2500	18x20				
661-ELBG350ELL142AK2	ELBG350ELL142AK25S	A	1400	12.5x25				
661-ELBG350ELL182AL2	ELBG350ELL182AL20S	A	1800	16x20				
661-ELBG350ELL252AM2	ELBG350ELL252AM20S	A	2500	18x20				
661-ELBG350ELL322AUP	ELBG350ELL322AUP1S	A	3200	14.5x35.5				
661-ELBG350ELL342ALN	ELBG350ELL342ALN3S	A	3400	16x31.5				
661-ELBG350ELL362AM2	ELBG350ELL362AM25S	A	3600	18x25				
661-ELBG350ELL362AM2	ELBG350ELL362AM25S	A	3600	18x25				
661-ELBG350ELL672AM4	ELBG350ELL672AM40S	A	6700	18x40				
661-ELBG350ETS362AM2	ELBG350ETS362AM25S	A	3600	18x25				

LZA SERIES 105°C MINIATURE ALUMINUM CAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Fig.	Value (μF)	Case Size DxDL (mm)	Price Each			
					1	100	500	1000
10 Volt								
661-ELZA100E472MK25S	ELZA100ELL472MK25S	A	4700	12.5x25				
16 Volt								
661-ELZA160E182MJ25S	ELZA160ELL182MJ25S	A	1800	10x25				
661-ELZA160E332MK25S	ELZA160ELL332MK25S	A	3300	12.5x25				
25 Volts								
661-ELZA250E122MJ25S	ELZA250ELL122MJ25S	A	1200	10x25				
661-ELZA250E222MK25S	ELZA250ELL222MK25S	A	2200	12.5x25				
35 Volts								
661-ELZA350E331MJCS5	ELZA350ELL331MJCS5S	A	330	10x12.5				
661-ELZA350E471MJ16S	ELZA350ELL471MJ16S	A	470	10x16				
661-ELZA350E681MJ20S	ELZA350ELL681MJ20S	A	680	10x20				
661-ELZA350E821MJ25S	ELZA350ELL821MJ25S	A	820	10x25				
661-ELZA350E102MK20S	ELZA350ELL102MK20S	A	1000	12.5x20				
661-ELZA350E152MK25S	ELZA350ELL152MK25S	A	1500	12.5x25				

MHB SERIES 125°C SURFACE MOUNT ALUMINUM CAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Fig.	Value (μF)	Case Size DxDL (mm)	Price Each			
					1	100	500	1000
10 Volts								
661-EMHB100ADA331MHA0G	EMHB100ADA331MHA0G	B	330	8x10				
661-EMHB100ADA471MJA	EMHB100ADA471MJA0G	B	470	10x10				
16 Volts								
661-EMHB160ADA101MHA0G	EMHB160ADA101MHA0G	B	100	8x10				
661-EMHB160ADA221MHA0G	EMHB160ADA221MHA0G	B	220	8x10				
25 Volts								
661-EMHB250ADA101MHA0G	EMHB250ADA101MHA0G	B	100	8x10				
661-EMHB250ADA221MHA0G	EMHB250ADA221MHA0G	B	220	8x10				
661-EMHB250ADA331MJA0G	EMHB250ADA331MJA0G	B	330	10x10				
35 Volts								
661-EMHB350ADA101MHA0G	EMHB350ADA101MHA0G	B	100	8x10				
661-EMHB350ADA221MJA0G	EMHB350ADA221MJA0G	B	220	10x10				
661-EMHB350ADA470MHA0G	EMHB350ADA470MHA0G	B	47	8x10				

MKA SERIES 105°C SMD (LEAD FREE) CAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Fig.	Value (μF)	Case Size DxDL (mm)	Price Each			
					1	100	500	1000
6.3 Volt								
661-MKA6.3V22RM	EMKA6R3ADA220MD55G	B	22	4x5.2				
661-MKA6.3VC47RM	EMKA6R3ADA470ME55G	B	47	5x5.2				
661-MKA6.3VC331M	EMKA6R3ADA331MHA0G	B	330	8x10				
661-MKA6.3VC102M	EMKA6R3ADA102MJA0G	B	1,000	10x10				
10 Volt								
661-MKA10VC33RM	EMKA100ADA330ME55G	B	33	5x5.2				
661-MKA10VC101M	EMKA100ADA101MF80G	B	100	6.3x7.7				
661-MKA10VC221M	EMKA100ADA221MHA0G	B	220	8x10				
16 Volt								
661-MKA16VC10RM	EMKA160ADA100MD55G	B	10	4x5.2				
661-MKA16VC22RM	EMKA160ADA220ME55G	B	22	5x5.2				
661-MKA16VC47RM	EMKA160ADA470MF55G	B	47	6.3x5.2				
661-MKA16VC471M	EMKA160ADA471MJA0G	B	470	10x10				
25 Volt								
661-MKA25VC33RM	EMKA250ADA330MF55G	B	33	6.3x5.2				
661-MKA25VC47RM	EMKA250ADA470MF80G	B	47	6.3x7.7				
661-MKA25VC101M	EMKA250ADA101MFA0G	B	100	8x10				
661-MKA25VC331M	EMKA250ADA331MJA0G	B	330	10x10				
35 Volt								
661-MKA35VC47RM	EMKA350ADA470MD55G	B	47	4x5.2				
661-MKA35VC10RM	EMKA350ADA100ME55G	B	10	5x5.2				
661-MKA35VC22RM	EMKA350ADA220MF55G	B	22	6.3x5.2				
661-MKA35VC33RM	EMKA350ADA330MF80G	B	33	6.3x7.7				
661-MKA35VC221M	EMKA350ADA221MJA0G	B	220	10x10				
50 Volt								
661-MKA50VCR10M	EMKA500ADAR10MD55G	B	0.1	4x5.2				
661-MKA50VCR22M	EMKA500ADAR22MD55G	B	0.22	4x5.2				
661-MKA50VCR47M	EMKA500ADAR47MD55G	B	0.47	4x5.2				
661-MKA50VC1R0M	EMKA500ADA1R0MD55G	B	1	4x5.2				
661-MKA50VC2R2M	EMKA500ADA2R2MD55G	B	2.2	4x5.2				
661-MKA50VC4R7M	EMKA500ADA4R7ME55G	B	4.7	5x5.2				
661-MKA50VC10RM	EMKA500ADA100MF55G	B	10	6.3x5.2				
661-MKA50VC22RM	EMKA500ADA220MF80G	B	22	6.3x7.7				
661-MKA50VC33RM	EMKA500ADA330MHA0G	B	33	8x10				
661-MKA50VC101M	EMKA500ADA101MJA0G	B	100	10x10				

MHJ SERIES 125°C SURFACE MOUNT ALUMINUM CAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Fig.	Value (μF)	Case Size DxDL (mm)	Price Each			
					1	100	500	1000
10 Volt								
661-EMHJ100ADA221MHA0G	EMHJ100ADA221MHA0G	B	220	8x10				
661-EMHJ100ADA331MHA0G	EMHJ100ADA331MHA0G	B	330	8x10				
661-EMHJ100ADA471MJA0G	EMHJ100ADA471MJA0G	B	470	10x10				
16 Volts								
661-EMHJ160ADA101MF80G	EMHJ160ADA101MF80G	B	100	6.3x7.7				
661-EMHJ160ADA221MHA0G	EMHJ160ADA221MHA0G	B	220	8x10				
661-EMHJ160ADA331MJA0G	EMHJ160ADA331MJA0G	B	330	10x10				
661-EMHJ160ADA471MJA0G	EMHJ160ADA471MJA0G	B	47	10x10				
25 Volts								
661-EMHJ250ADA101MHA0G	EMHJ250ADA101MHA0G	B	100	8x10				
661-EMHJ250ADA221MJA0G	EMHJ250ADA221MJA0G	B	220	10x10				
661-EMHJ250ADA331MJA0G	EMHJ250ADA331MJA0G	B	330	10x10				
35 Volts								
661-EMHJ350ADA101MHA0G	EMHJ350ADA101MHA0G	B	100	8x10				
661-EMHJ350ADA221MJA0G	EMHJ350ADA221MJA0G	B	220	10x10				
661-EMHJ350ADA470MF80G	EMHJ350ADA470MF80G	B	470	6.3x7.7				

MZJ SERIES 105°C SURFACE MOUNT ALUMINUM CAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Fig.	Value (μF)	Case Size DxDL (mm)	Price Each			
					1	100	500	1000
6.3 Volts								
661-EMZJ6R3A152MJA0G	EMZJ6R3ADA152MJA0G	B	1500	10x10				
661-EMZJ6R3A182MJA0G	EMZJ6R3ADA182MJA0G	B	1800	10x10				
661-EMZJ6R3A331MF80G	EMZJ6R3ADA331MF80G	B	330	6.3x7.7				
10 Volts								
661-EMZJ100A102MJA0G	EMZJ100ADA102MJA0G	B	1000	10x10				
661-EMZJ100A122MJA0G	EMZJ100ADA122MJA0G	B	1200	10x10				
16 Volts								
661-EMZJ160A151MF80G	EMZJ160ADA151MF80G	B	150	6.3x7.7				
661-EMZJ160A221MF80G	EMZJ160ADA221MF80G	B	220	6.3x7.7				
661-EMZJ160A681MJA0G	EMZJ160ADA681MJA0G	B	680	10x10.3				
25 Volts								
661-EMZJ250A331MHA0G	EMZJ250ADA331MHA0G	B	330	8x10				
661-EMZJ250A471MJA0G	EMZJ250ADA471MJA0G	B	470	10x10				
661-EMZJ250A561MJA0G	EMZJ250ADA561MJA0G	B	560	10x10				
35 Volts								
661-EMZJ350A100MD61G	EMZJ350ADA100MD61G	B	10	4x5.8				
661-EMZJ350A101MF80G	EMZJ350ADA101MF80G	B	100	6.3x7.7				
661-EMZJ350A151MHA0G	EMZJ350ADA151MHA0G	B	150	8x10				
661-EMZJ350A220ME61G	EMZJ350ADA220ME61G	B	22	5x5.8				
661-EMZJ350A221MHA0G	EMZJ350ADA221MHA0G	B	220	8x10				
661-EMZJ350A330MF61G	EMZJ350ADA330MF61G	B	33	6.3x5.8				
661-EMZJ350A331MJA0G	EMZJ350ADA331MJA0G	B	330					

VISHAY BC COMPONENTS Aluminum Electrolytic Chip Capacitors



This product is RoHS compliant.



146CTI SERIES 125°C, LOW IMPEDANCE

Features:

- Polarized, non-solid electrolyte, self-healing
- Charge and discharge proof, no peak current limitation
- Operating temperature range: -55°C to +125°C

Applications:

- SMD technology, for high temperature reflow soldering
- Industrial and professional applications
- Automotive, general industrial, telecom
- Smoothing, filtering, buffering



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (uF)	Case Size LxWxH (mm)	Tolerance	Price Each				
					1	25	50	100	500
16 Volts									
594-MAL214699501E3	MAL214699501E3	330	10x10x10	20					
594-MAL214699502E3	MAL214699502E3	470	10x10x12	20					
594-MAL214699503E3	MAL214699503E3	680	10x10x12	20					
594-MAL214699504E3	MAL214699504E3	1000	12.5x12.5x16	20					
594-MAL214699505E3	MAL214699505E3	1500	16x16x16	20					
594-MAL214699506E3	MAL214699506E3	2200	16x16x16	20					
594-MAL214699507E3	MAL214699507E3	3300	16x16x21	20					
594-MAL214699508E3	MAL214699508E3	3300	18x18x16	20					
594-MAL214699509E3	MAL214699509E3	3900	18x18x21	20					
594-MAL214699511E3	MAL214699511E3	4700	18x18x21	20					
25 Volts									
594-MAL214699601E3	MAL214699601E3	220	10x10x10	20					
594-MAL214699602E3	MAL214699602E3	330	10x10x12	20					
594-MAL214699603E3	MAL214699603E3	470	10x10x12	20					
594-MAL214699604E3	MAL214699604E3	680	12.5x12.5x16	20					
594-MAL214699605E3	MAL214699605E3	1000	16x16x16	20					
594-MAL214699606E3	MAL214699606E3	1500	16x16x16	20					
594-MAL214699607E3	MAL214699607E3	2200	16x16x21	20					
594-MAL214699608E3	MAL214699608E3	2200	18x18x16	20					
594-MAL214699609E3	MAL214699609E3	2700	18x18x21	20					
35 Volts									
594-MAL214699001E3	MAL214699001E3	47	10x10x10	20					
594-MAL214699002E3	MAL214699002E3	100	10x10x10	20					
594-MAL214699003E3	MAL214699003E3	150	10x10x10	20					
594-MAL214699004E3	MAL214699004E3	220	10x10x12	20					
594-MAL214699005E3	MAL214699005E3	330	10x10x12	20					
594-MAL214699006E3	MAL214699006E3	470	12.5x12.5x16	20					
594-MAL214699007E3	MAL214699007E3	680	16x16x16	20					
594-MAL214699008E3	MAL214699008E3	1000	16x16x16	20					
594-MAL214699009E3	MAL214699009E3	1200	18x18x16	20					
594-MAL214699011E3	MAL214699011E3	1500	16x16x21	20					
594-MAL214699012E3	MAL214699012E3	1800	18x18x21	20					
50 Volts									
594-MAL214699101E3	MAL214699101E3	47	10x10x10	20					
594-MAL214699102E3	MAL214699102E3	68	10x10x10	20					
594-MAL214699103E3	MAL214699103E3	100	10x10x10	20					
594-MAL214699104E3	MAL214699104E3	100	10x10x12	20					
594-MAL214699105E3	MAL214699105E3	150	10x10x12	20					
594-MAL214699106E3	MAL214699106E3	220	10x10x12	20					
594-MAL214699107E3	MAL214699107E3	330	12.5x12.5x16	20					
594-MAL214699108E3	MAL214699108E3	470	16x16x16	20					
594-MAL214699109E3	MAL214699109E3	680	16x16x16	20					
594-MAL214699111E3	MAL214699111E3	1000	16x16x21	20					
594-MAL214699112E3	MAL214699112E3	1000	18x18x16	20					
594-MAL214699113E3	MAL214699113E3	1200	18x18x21	20					
63 Volts									
594-MAL214699801E3	MAL214699801E3	22	10x10x10	20					
594-MAL214699802E3	MAL214699802E3	33	10x10x10	20					
594-MAL214699803E3	MAL214699803E3	47	10x10x10	20					
594-MAL214699804E3	MAL214699804E3	68	10x10x10	20					
594-MAL214699805E3	MAL214699805E3	100	10x10x12	20					
594-MAL214699806E3	MAL214699806E3	100	10x10x12	20					
594-MAL214699807E3	MAL214699807E3	150	10x10x12	20					
594-MAL214699808E3	MAL214699808E3	220	12.5x12.5x16	20					
594-MAL214699809E3	MAL214699809E3	330	16x16x16	20					
594-MAL214699811E3	MAL214699811E3	470	16x16x16	20					
594-MAL214699812E3	MAL214699812E3	680	18x18x16	20					
594-MAL214699813E3	MAL214699813E3	820	16x16x21	20					
594-MAL214699814E3	MAL214699814E3	1000	18x18x21	20					

KEMET 125°C Low ESR Aluminum Organic Capacitors



KEMET's A700 Series, targets power management applications. With aluminum as the anode material, aluminum oxide as the dielectric, and a conductive polymer to replace the wet electrolytic historically used in aluminum capacitors, KEMET has advanced beyond existing aluminum organic capacitors. The KEMET A700 Series AO-CAP is also an ideal alternative to high-capacitance ceramics. Its outstanding high frequency performance helps reduce component counts, cost-effectively saving board space.

Features:

- Extremely low ESR
- High capacitance retention for superior performance at high operating frequencies
- Non-ignition failure mode
- No "dry-out" or "wear-out" related failure mechanism
- No voltage derating up to +125°C
- True surface-mount capability
- Overall lower placement costs
- PB free
- Self healing mechanism
- MSL3 packaging

Other ESR Ratings Available

Please contact a Mouser Customer Service Representative



RoHS Compliant

DIMENSIONS: mm		
Case Size		H
KEMET	EIA	Max
V	7343-20	1.9±0.1
D	7343-31	2.8±0.3
X	7343-43	4.0±0.3
W	7343-43	1.5

Cross Reference Chart	
KEMET AO	Panasonic SP
A700	EEF

KEMET Aluminum Polymer Caps

A700 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Volt (DC)	Value (µF)	Case Code	ESR mΩ 100kHz 25°C Max	DCL @VR µA +25°C Max	Ripple Current A rms 100kHz Max	Price Each				
								1	10	100	500	1000
80-A700W107M2E9	A700W107M002ATE009	2	100	W	9	12	5.6					
80-A700V127M2E18	A700V127M002ATE018	2	120	V	18	14.4	3.9					
80-A700V127M2E25	A700V127M002ATE025	2	120	V	25	14.4	3.3					
80-A700V157M2E15	A700V157M002ATE015	2	150	V	15	18	4.2					
80-A700V157M002	A700V157M002ATE028	2	150	V	28	18	3.1					
80-A700D187M2E15	A700D187M002ATE015	2	180	D	15	21.6	4.1					
80-A700D227M2E9	A700D227M002ATE009	2	220	D	9	26.4	5.3					
80-A700D227M2E15	A700D227M002ATE015	2	220	D	15	26.4	4.1					
80-A700D227M002	A700D227M002ATE018	2	220	D	18	26.4	3.7					
80-A700X337M2E10	A700X337M002ATE010	2	330	X	10	39.6	4.7					
80-A700X397M2E10	A700X397M002ATE010	2	390	X	10	46.8	4.7					
80-A700X477M2E10	A700X477M002ATE010	2	470	X	10	56.4	4.7					
80-A700V826M2R5E18	A700V826M2R5ATE018	2.5	82	V	18	12.3	3.9					
80-A700D157M2R5E15	A700D157M2R5ATE015	2.5	150	D	15	22.5	4.1					
80-A700X227M2R5E10	A700X227M2R5ATE010	2.5	220	X	10	33	4.7					
80-A700X337M2R5E10	A700X337M2R5ATE010	2.5	330	X	10	49.5	4.7					
80-A700V686M4E20	A700V686M004ATE020	4	68	V	20	16.3	3.7					
80-A700V686M4E28	A700V686M004ATE028	4	68	V	28	16.3	3.1					
80-A700V826M4E18	A700V826M004ATE018	4	82	V	18	19.7	3.9					
80-A700D127M4E15	A700D127M004ATE015	4	120	D	15	28.8	4.1					
80-A700D127M004	A700D127M004ATE018	4	120	D	18	28.8	3.7					
80-A700D157M4E15	A700D157M004ATE015	4	150	D	15	36	4.1					
80-A700D187M4E15	A700D187M004ATE015	4	180	D	15	43.2	4.1					
80-A700D187M4E18	A700D187M004ATE018	4	180	D	18	43.2	3.7					
80-A700X187M4E18	A700X187M004ATE018	4	180	X	18	44.9	3.5					
80-A700X227M4E10	A700X227M004ATE010	4	220	X	10	52.8	4.7					
80-A700X277M4E10	A700X277M004ATE010	4	270	X	10	64.8	4.7					
80-A700X337M4E10	A700X337M004ATE010	4	330	X	10	79.2	4.7					
80-A700V106M6E55	A700V106M006ATE055	6	10	V	55	3.8	2.2					
80-A700V107M6E15	A700V107M006ATE015	6	100	V	15	37.8	4.2					
80-A700D157M6E10	A700D157M006ATE010	6	150	D	10	56.7	5					
80-A700V226M6E28	A700V226M006ATE028	6.3	22	V	28	5.5	3.1					
80-A700V226M6E45	A700V226M006ATE045	6.3	22	V	45	5.5	2.4					
80-A700V336M6E25	A700V336M006ATE025	6.3	33	V	25	8.3	3.3					
80-A700V476M6E18	A700V476M006ATE018	6.3	47	V	18	11.8	3.9					
80-A700V476M006	A700V476M006ATE025	6.3	47	V	25	11.8	3.3					
80-A700V476M6E28	A700V476M006ATE028	6.3	47	V	28	11.8	3.1					
80-A700V566M6E25	A700V566M006ATE025	6.3	56	V	25	14.1	3.3					
80-A700V566M6E28	A700V566M006ATE028	6.3	56	V	28	14.1	3.1					
80-A700V686M6E18	A700V686M006ATE018	6.3	68	V	18	17.1	3.9					
80-A700V686M6E25	A700V686M006ATE025	6.3	68	V	25	17.1	3.3					
80-A700V826M6E18	A700V826M006ATE018	6.3	82	V	18	20.7	3.9					
80-A700V826M6E25	A700V826M006ATE025	6.3	82	V	25	20.7	3.3					
80-A700D107M6E15	A700D107M006ATE015	6.3	100	D	15	25.2	4.1					
80-A700D107M006	A700D107M006ATE018	6.3	100	D	18	25.2	3.7					
80-A700D127M6E15	A700D127M006ATE015	6.3	120	D	15	30.2	4.1					
80-A700D127M6E18	A700D127M006ATE018	6.3	120	D	18	30.2	3.7					
80-A700X157M6E10	A700X157M006ATE010	6.3	150	X	10	37.8	4.7					
80-A700X187M6E10	A700X187M006ATE010	6.3	180	X	10	45.4	4.7					
80-A700V226M8E28	A700V226M008ATE028	8	22	V	28	7.0	3.1					
80-A700V226M8E45	A700V226M008ATE045	8	22	V	45	7.0	2.4					
80-A700V336M8E18	A700V336M008ATE018	8	33	V	18	10.6	3.9					
80-A700D566M8E15	A700D566M008ATE015	8	56	D	15	17.9	4.1					
80-A700D566M8E18	A700D566M008ATE018	8	56	D	18	17.9	3.7					
80-A700D686M8E18	A700D686M008ATE018	8	68	D	18	21.8	3.7					
80-A700X107M8E10	A700X107M008ATE010	8	100	X	10	32	4.7					
80-A700V336M10E18	A700V336M010ATE018	10	33	V	18	13.2	3.9					
80-A700D566M10E15	A700D566M010ATE015	10	56	D	15	22.4	4.1					
80-A700D686M10E15	A700D686M010ATE015	10	68	D	15	27.2	4.1					
80-A700D686M10E18	A700D686M010ATE018	10	68	D	18	27.2	3.7					
80-A700X107M10E10	A700X107M010ATE010	10	100	X	10	40	4.7					
80-A700X127M10E10	A700X127M010ATE010	10	120	X	10	48	4.7					
80-A700X157M10E10	A700X157M010ATE010	10	150	X	10	60	4.7					
80-A700V106M12RE40	A700V106M12RATE040	12.5	10	V	40	70.5	2.6					
80-A700V106M12E60	A700V106M12RATE060	12.5	10	V	60	5	2.1					
80-A700V156M12E40	A700V156M12RATE040	12.5	15	V	40	7.5	2.6					
80-A700V226M12E30	A700V226M12RATE030	12.5	22	V	30	11	3					
80-A700D476M12RE25	A700D476M12RATE025	12.5	47	D	25	55.4	3.2					
80-A700X107M12RE15	A700X107M12RATE015	12.5	100	X	15	55.4	3.9					
80-A700V685M16E70	A700V685M016ATE070	16	6.8	V	70	4.3	1.9					
80-A700V825M16E45	A700V825M016ATE045	16	8.2	V	45	5.2	2.4					
80-A700V106M16E45	A700V106ATE045	16	10	V	45	6.4	2.4					
80-A700V156M16E40	A700V156M016ATE040	16	15	V	40	14.4	2.6					
80-A700D226M16E30	A700D226M016ATE030	16	22	D	30	21.1	2.9					

LELON Organic Polymer Capacitors



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Aluminum Polymer Caps Lelon

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OVH ORGANIC CONDUCTIVE POLYMER CAPACITORS

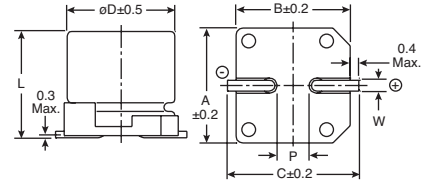
Features:

- Endurance: 2,000 hours @ 105°C
- Tolerance: ±20%
- Ultra low ESR, solid capacitors of SMD type
- Temperature Range: -55°C to +105°C

This product is RoHS compliant.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size øDxL (mm)	LC (µA)	ESR (mΩ/@ 100kHz ~ 300kHz, 20°C Max.)	Rated R.C. (mA/rms @ 100kHz, 105°C)	Price Each		
							1	100	500
2.5 Volt									
140-OVH391M0ETR-0606	OVH391M0ETR-0606	390	6.3x5.9	293	10	3900			
140-OVH561M0ETR-0606	OVH561M0ETR-0606	560	6.3x5.9	420	10	3900			
140-OVH561M0ETR-0807	OVH561M0ETR-0807	560	8x6.7	420	9	4200			
140-OVH681M0ETR-0807	OVH681M0ETR-0807	680	8x6.7	510	9	4500			
140-OVH122M0ETR-1008	OVH122M0ETR-1008	1200	10x7.7	900	9	5000			
140-OVH222M0ETR-1010	OVH222M0ETR-1010	2200	10x9.9	1650	8	6000			
4 Volt									
140-OVH331M0GTR-0606	OVH331M0GTR-0606	330	6.3x5.9	396	10	3900			
140-OVH471M0GTR-0807	OVH471M0GTR-0807	470	8x6.7	564	9	4500			
140-OVH561M0GTR-0807	OVH561M0GTR-0807	560	8x6.7	894	9	4500			
140-OVH102M0GTR-1008	OVH102M0GTR-1008	1000	10x7.7	1200	9	5000			
140-OVH182M0GTR-1010	OVH182M0GTR-1010	1800	10x9.9	2160	8	6000			
6.3 Volt									
140-OVH221M0JTR-0606	OVH221M0JTR-0606	220	6.3x5.9	416	10	3900			
140-OVH331M0JTR-0807	OVH331M0JTR-0807	330	8x6.7	624	9	4500			
140-OVH391M0JTR-0807	OVH391M0JTR-0807	390	8x6.7	7.7	9	4500			
140-OVH821M0JTR-1008	OVH821M0JTR-1008	820	10x7.7	1550	9	5000			
140-OVH152M0JTR-1010	OVH152M0JTR-1010	1500	10x9.9	2835	8	6000			



Dimensions: mm						
øD	L	A	B	C	W	P±0.2
6.3	5.9 +0.1/-0.3	6.6	6.6	7.4	0.5 ~ 0.8	2.0
8	6.7±0.3	8.4	8.4	9.2	0.7 ~ 1.1	3.1
10	7.7±0.3	10.4	10.4	11.2	0.7 ~ 1.1	4.7
10	9.9 +0.1/-0.3	10.4	10.4	11.2	0.7 ~ 1.1	4.7

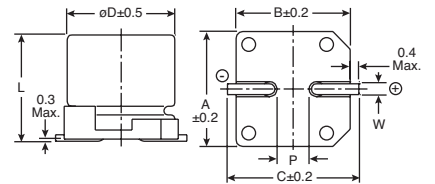
OVK ORGANIC CONDUCTIVE POLYMER CAPACITORS

Features:

- Endurance: 5,000 hours @ 105°C
- Tolerance: ±20%
- Ultra low ESR, solid capacitors of SMD type
- Temperature Range: -55°C to +105°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size øDxL (mm)	LC (µA)	ESR (mΩ/@ 100kHz ~ 300kHz, 20°C Max.)	Rated R.C. (mA/rms @ 100kHz, 105°C)	Price Each		
							1	100	500
4 Volt									
140-OVK151M0GTR-0606	OVK151M0GTR-0606	150	6.3x5.9	120	22	2570			
140-OVK271M0GTR-0807	OVK271M0GTR-0807	270	8x6.7	216	22	3220			
140-OVK331M0GTR-0606	OVK331M0GTR-0606	330	6.3x5.9	264	20	2800			
140-OVK331M0GTR-0807	OVK331M0GTR-0807	330	8x6.7	264	22	3220			
140-OVK561M0GTR-0807	OVK561M0GTR-0807	560	8x6.7	448	18	3600			
140-OVK681M0GTR-1008	OVK681M0GTR-1008	680	10x7.7	544	20	4130			
6.3 Volt									
140-OVK101M0JTR-0606	OVK101M0JTR-0606	100	6.3x5.9	126	22	2800			
140-OVK121M0JTR-0606	OVK121M0JTR-0606	120	6.3x5.9	151	22	2800			
140-OVK221M0JTR-0606	OVK221M0JTR-0606	220	6.3x5.9	277	20	2800			
140-OVK221M0JTR-0807	OVK221M0JTR-0807	220	8x6.7	27	22	3220			
140-OVK391M0JTR-0807	OVK391M0JTR-0807	390	8x6.7	491	22	3220			
140-OVK471M0JTR-1008	OVK471M0JTR-1008	470	10x7.7	592	20	4130			
10 Volt									
140-OVK560M1ATR-0606	OVK560M1ATR-0606	56	6.3x5.9	112	27	2300			
140-OVK680M1ATR-0606	OVK680M1ATR-0606	68	6.3x5.9	136	27	2300			
140-OVK121M1ATR-0606	OVK121M1ATR-0606	120	6.3x5.9	240	27	2300			
140-OVK151M1ATR-0807	OVK151M1ATR-0807	150	8x6.7	300	30	2760			
140-OVK151M1ATR-1008	OVK151M1ATR-1008	150	10x7.7	300	30	3020			
140-OVK271M1ATR-0807	OVK271M1ATR-0807	270	8x6.7	540	22	3200			
140-OVK331M1ATR-1008	OVK331M1ATR-1008	330	10x7.7	660	24	3770			
16 Volt									
140-OVK390M1CTR-0606	OVK390M1CTR-0606	39	6.3x5.9	125	30	2200			
140-OVK680M1CTR-0606	OVK680M1CTR-0606	68	6.3x5.9	218	30	2200			
140-OVK820M1CTR-0807	OVK820M1CTR-0807	82	8x6.7	262	28	2800			
140-OVK101M1CTR-1008	OVK101M1CTR-1008	100	10x7.7	320	35	2670			
140-OVK121M1CTR-0807	OVK121M1CTR-0807	120	8x6.7	384	28	2800			
140-OVK181M1CTR-1008	OVK181M1CTR-1008	180	10x7.7	576	29	3430			



Dimensions: mm						
øD	L	A	B	C	W	P±0.2
6.3	5.9 +0.1/-0.3	6.6	6.6	7.4	0.5 ~ 0.8	2.0
8	6.7±0.3	8.4	8.4	9.2	0.7 ~ 1.1	3.1
10	7.7±0.3	10.4	10.4	11.2	0.7 ~ 1.1	4.7

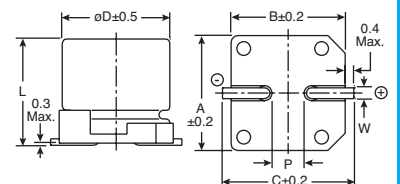
OCVU ORGANIC CONDUCTIVE POLYMER CAPACITORS

Features:

- Endurance: 1000~2000 hours @ 125°C
- Tolerance: ±20%
- Ultra low ESR, solid capacitors of SMD type
- Temperature Range: -55°C to +125°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size øDxL (mm)	LC (µA)	ESR (mΩ/@ 100kHz ~ 300kHz, 20°C Max.)	Rated R.C. (mA/rms @ 100kHz, 105°C)		Price Each		
						T≤105°C	105°C<T≤125°C	1	100	500
2.5 Volt										
140-OVU681M0ETR-0812	OVU681M0ETR-0812	680	8x12	340	13	4520	1430			
140-OVU102M0ETR-1010	OVU102M0ETR-1010	1000	10x9.9	500	13	5200	1645			
140-OVU152M0ETR-1013	OVU152M0ETR-1013	1500	10x9.9	750	13	5440	1721			
4 Volt										
140-OVU561M0GTR-0812	OVU561M0GTR-0812	560	8x12	448	13	4520	1430			
140-OVU821M0GTR-1010	OVU821M0GTR-1010	820	10x9.9	656	13	5200	1645			
140-OVU122M0GTR-1013	OVU122M0GTR-1013	1200	10x9.9	960	12	5440	1721			
6.3 Volt										
140-OVU471M0JTR-0812	OVU471M0JTR-0812	470	8x12	592	15	4210	1332			
140-OVU561M0JTR-1010	OVU561M0JTR-1010	560	10x9.9	706	16	4700	1487			
140-OVU821M0JTR-1013	OVU821M0JTR-1013	820	10x9.9	1033	12	5440	1721			
10 Volt										
140-OVU331M1ATR-0812	OVU331M1ATR-0812	330	8x12	660	17	3950	1250			
140-OVU471M1ATR-1010	OVU471M1ATR-1010	470	10x9.9	640	18	4400	1392			
140-OVU561M1ATR-1013	OVU561M1ATR-1013	560	10x9.9	1120	13	5230	1655			
16 Volt										
140-OVU181M1CTR-0812	OVU181M1CTR-0812	180	8x12	576	20	3640	1151			
140-OVU221M1CTR-1010	OVU221M1CTR-1010	220	10x9.9	704	20	4200	1330			
140-OVU331M1CTR-1013	OVU331M1CTR-1013	330	10x9.9	1056	16	4720	1493			



Dimensions: mm						
øD	L	A	B	C	W	P±0.2
8	6.7±0.3	8.4	8.4	9.2	0.7 ~ 1.1	3.1
10	9.9	10.4	10.4	11.2	0.7 ~ 1.1	4.7
	+0.1/-0.3					

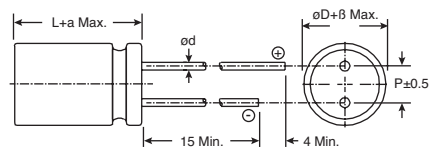
LELON Organic Polymer Capacitors



RoHS Compliant This product is RoHS compliant.

ORE ORGANIC CONDUCTIVE POLYMER CAPACITORS

- Features:**
- Endurance: 5,000 hours @ 105°C
 - Ultra low ESR with large permissible ripple current
 - Tolerance: ±20%
 - Temperature Range: -55°C to +105°C



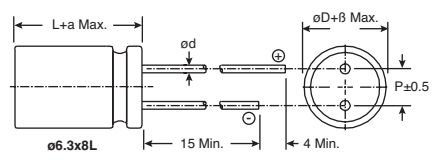
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size øDxL (mm)	LC (µA)	ESR (mΩ/@ 100kHz ~ 300kHz, 20°C Max.)	Rated R.C. (mA/rms @ 100kHz, 105°C)	Price Each		
							1	100	500
2.5 Volt									
140-ORE331M0EBK0608	ORE331M0EBK-0608	330	6.3x8	500	5	5900			
140-ORE471M0EBK0608	ORE471M0EBK-0608	470	6.3x8	500	5	5900			
140-ORE561M0EBK0608	ORE561M0EBK-0608	560	6.3x8	500	5	5900			
140-ORE821M0EBK0608	ORE821M0EBK-0608	820	6.3x8	500	5	5900			

Dimensions: mm					
øD	L	P	ød	a	β
6.3	8	2.5	0.6	1.0	0.5

OCRK ORGANIC CONDUCTIVE POLYMER CAPACITORS

- Features:**
- Endurance: 5,000 hours @ 105°C
 - Ultra low ESR with large permissible ripple current
 - Tolerance: ±20%
 - Temperature Range: -55°C to +105°C



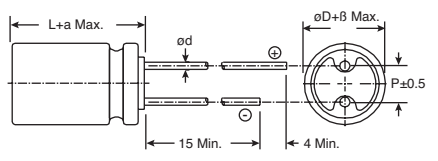
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size øDxL (mm)	LC (µA)	ESR (mΩ/@ 100kHz ~ 300kHz, 20°C Max.)	Rated R.C. (mA/rms @ 100kHz, 105°C)	Price Each		
							1	100	500
2.5 Volt									
140-ORK821M0EBK0608	ORK821M0EBK-0608	820	6.3x8	500	7	5000			
4 Volt									
140-ORK561M0GBK0608	ORK561M0GBK-0608	560	6.3x8	500	7	5000			
6.3 Volt									
140-ORK391M0JBK0811	ORK391M0JBK-0811	390	8x11.5	491	12	3400			
140-ORK471M0JBK0608	ORK471M0JBK-0608	470	6.3x8	592	8	4700			
140-ORK471M0JBK0811	ORK471M0JBK-0811	470	8x11.5	592	12	3400			
140-ORK561M0JBK0608	ORK561M0JBK-0608	560	6.3x8	706	8	4700			
140-ORK821M0JBK1012	ORK821M0JBK-1012	820	8x11.5	1033	10	4000			
10 Volt									
140-ORK331M1ABK0811	ORK331M1ABK-0811	330	8x11.5	660	14	3100			
140-ORK561M1ABK1012	ORK561M1ABK-1012	560	10x12.5	1360	12	3800			
16 Volt									
140-ORK181M1CBK0811	ORK181M1CBK-0811	180	8x11.5	576	16	3000			
140-ORK331M1CBK1012	ORK331M1CBK-1012	330	10x12.5	1056	14	3600			

Dimensions: mm					
øD	L	P	ød	a	β
6.3	8	2.5	0.6	1.0	0.5
8	12	3.5	0.6	1.0	0.5
10	12.5	5.0	0.6	1.5	0.5

OCRU ORGANIC CONDUCTIVE POLYMER CAPACITORS

- Features:**
- Endurance: 1000~2000 hours @ 125°C
 - Ultra low ESR with large permissible ripple current
 - Tolerance: ±20%
 - Temperature Range: -55°C to +125°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size øDxL (mm)	LC (µA)	ESR (mΩ/@ 100kHz ~ 300kHz, 20°C Max.)	Rated R.C. (mA/rms @ 100kHz, 105°C)		Price Each		
						T≤105°C	105°C<T≤125°C	1	100	500
2.5 Volt										
140-ORU681M0EBK0811	ORU681M0EBK-0811	680	8x11.5	340	13	4520	1430			
140-ORU122M0EBK1012	ORU122M0EBK-1012	1200	10x12.5	600	13	5440	1721			
4 Volt										
140-ORU561M0GBK0811	ORU561M0GBK-0811	560	8x11.5	448	13	4520	1430			
140-ORU122M0GBK1012	ORU122M0GBK-1012	1200	10x12.5	960	12	5440	1721			
6.3 Volt										
140-ORU471M0JBK0811	ORU471M0JBK-0811	470	8x11.5	592	15	4210	1332			
140-ORU821M0JBK1012	ORU821M0JBK-1012	820	10x12.5	1033	12	5440	1721			
10 Volt										
140-ORU331M1ABK0811	ORU331M1ABK-0811	330	8x11.5	660	16	3950	1250			
140-ORU561M1ABK1012	ORU561M1ABK-1012	560	10x12.5	1120	13	5230	1655			
16 Volt										
140-ORU181M1CBK0811	ORU181M1CBK-0811	180	8x11.5	576	18	3640	1151			
140-ORU331M1CBK1012	ORU331M1CBK-1012	330	10x12.5	1056	16	4720	1493			
20 Volt										
140-ORU101M1DBK0811	ORU101M1DBK-0811	100	8x11.5	400	24	3320	1050			
140-ORU151M1DBK1012	ORU151M1DBK-1012	150	10x12.5	600	20	4320	1367			



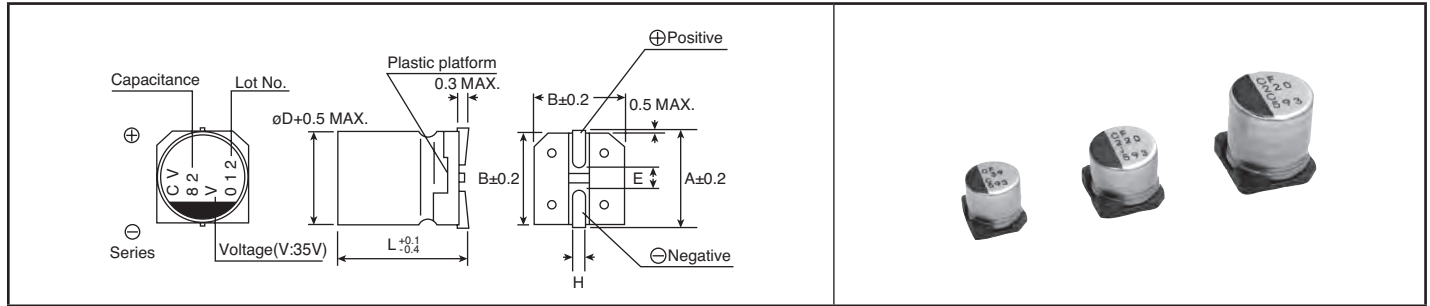
Dimensions: mm					
øD	L	P	ød	a	β
8	11.5	3.5	0.6	1.0	0.5
10	12.5	5.0	0.6	1.5	0.5

NICHICON Polymer Aluminum Electrolytic Capacitors



This product is RoHS compliant.

CV AND CX SERIES CHIP TYPE, HIGH VOLTAGE/LONG LIFE



DIMENSIONS: mm

CV Series

Features:

- High voltage (to 63V), Low ESR, High ripple current.
- Load life of 3000 hours at 105°C.
- SMD type : Lead free reflow soldering condition at 260°C peak correspondence.
- Compliant to the RoHS directive (2002/95/EC).

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Size DxL (mm)	ESR (mΩ) (@ 100kHz 20°C)	Price Each			
Mfr.	Mfr. Part No.				1	25	100	500
16V								
	647—PCV1C560MCL1GS	56	6.3 x 6	50				
	647—PCV1C101MCL1GS	100	8 x 7	36				
	647—PCV1C221MCL6GS	220	8 x 10	27				
	647—PCV1C221MCL1GS	220	10 x 8	31				
	647—PCV1C271MCL1GS	270	8 x 12	26				
	647—PCV1C331MCL1GS	330	10 x 10	26				
	647—PCV1C471MCL1GS	470	10 x 12.7	25				
	647—PCV1C681MCL2GS	680	10 x 12.7	19				
20V								
	647—PCV1D470MCL1GS	47	6.3 x 6	55				
	647—PCV1D680MCL1GS	68	8 x 7	45				
	647—PCV1D151MCL6GS	150	8 x 10	28				
	647—PCV1D151MCL1GS	150	10 x 8	33				
	647—PCV1D221MCL1GS	220	8 x 12	27				
	647—PCV1D271MCL1GS	270	10 x 10	27				
	647—PCV1D331MCL1GS	330	10 x 12.7	26				
	647—PCV1D471MCL2GS	470	10 x 12.7	20				
25V								
	647—PCV1E330MCL1GS	33	6.3 x 6	60				
	647—PCV1E470MCL2GS	47	6.3 x 6	49				
	647—PCV1E560MCL1GS	56	8 x 7	50				
	647—PCV1E121MCL6GS	120	8 x 10	29				
	647—PCV1E121MCL1GS	120	10 x 8	35				
	647—PCV1E151MCL1GS	150	8 x 12	28				
	647—PCV1E181MCL1GS	180	10 x 10	28				
	647—PCV1E221MCL2GS	220	8 x 12	22				
	647—PCV1E271MCL1GS	270	10 x 12.7	27				
	647—PCV1E391MCL2GS	390	10 x 12.7	21				
35V								
	647—PCV1V180MCL1GS	18	6.3 x 6	64				
	647—PCV1V270MCL1GS	27	8 x 7	55				
	647—PCV1V390MCL2GS	39	8 x 7	52				
	647—PCV1V560MCL1GS	56	8 x 10	31				
	647—PCV1V680MCL1GS	68	10 x 8	37				
	647—PCV1V820MCL1GS	82	8 x 12	29				
	647—PCV1V101MCL1GS	100	10 x 10	29				
	647—PCV1V121MCL7GS	120	8 x 12	23				
	647—PCV1V151MCL1GS	150	10 x 12.7	28				
50V								
	647—PCV1H8R2MCL1GS	8.2	6.3 x 6	81				
	647—PCV1H150MCL1GS	15	8 x 7	63				
	647—PCV1H330MCL6GS	33	8 x 10	36				
	647—PCV1H330MCL1GS	33	10 x 8	49				
	647—PCV1H390MCL1GS	39	8 x 12	34				
	647—PCV1H470MCL1GS	47	10 x 10	30				
	647—PCV1H680MCL1GS	68	10 x 12.7	29				
63V								
	647—PCV1J5R6MCL1GS	5.6	6.3 x 6	105				
	647—PCV1J100MCL1GS	10	8 x 7	75				
	647—PCV1J220MCL6GS	22	8 x 10	37				
	647—PCV1J220MCL1GS	22	10 x 8	56				
	647—PCV1J270MCL1GS	27	8 x 12	35				
	647—PCV1J330MCL1GS	33	10 x 10	31				
	647—PCV1J470MCL1GS	47	10 x 12.7	30				

Size	ø6.3 x 6L	ø8 x 7L	ø8 x 10L	ø8 x 12L	ø10 x 8L	ø10 x 10L	ø10 x 12.7L
øD	6.3	8.0	8.0	8.0	10.0	10.0	10.0
L	5.9	6.9	9.9	11.9	7.9	9.9	12.6
A	7.3	9.0	9.0	9.0	11.0	11.0	11.0
B	6.6	8.3	8.3	8.3	10.3	10.3	10.3
E	2.1	3.2	3.2	3.2	4.6	4.6	4.6
H	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1	0.8 to 1.1	0.8 to 1.1	0.8 to 1.1	0.8 to 1.1

CX Series

Features:

- High voltage (to 50V), low ESR, high ripple current, high reliability
- Long life of 1500 to 3000 hours at 125°C
- SMD type : Lead free reflow soldering condition at 260°C peak complete correspondence
- Adapted to the RoHS directive (2002/95/EC)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Size DxL (mm)	ESR (mΩ) (@ 100kHz 20°C)	Price Each			
Mfr.	Mfr. Part No.				1	25	100	500
16V								
	647—PCX1C470MCL1GS	47	6.3 x 6	55				
	647—PCX1C820MCL1GS	82	8 x 7	45				
	647—PCX1C151MCL6GS	150	8 x 10	28				
	647—PCX1C151MCL1GS	150	10 x 8	33				
	647—PCX1C221MCL1GS	220	8 x 12	27				
	647—PCX1C271MCL1GS	270	10 x 10	27				
	647—PCX1C391MCL1GS	390	10 x 12.7	26				
20V								
	647—PCX1D330MCL1GS	33	6.3 x 6	60				
	647—PCX1D560MCL1GS	56	8 x 7	50				
	647—PCX1D121MCL6GS	120	8 x 10	29				
	647—PCX1D121MCL1GS	120	10 x 8	35				
	647—PCX1D151MCL1GS	150	8 x 12	28				
	647—PCX1D181MCL1GS	180	10 x 10	28				
	647—PCX1D271MCL1GS	270	10 x 12.7	27				
25V								
	647—PCX1E220MCL1GS	22	6.3 x 6	65				
	647—PCX1E390MCL1GS	39	8 x 7	55				
	647—PCX1E820MCL6GS	82	8 x 10	30				
	647—PCX1E820MCL1GS	82	10 x 8	36				
	647—PCX1E121MCL6GS	120	8 x 12	29				
	647—PCX1E121MCL1GS	120	10 x 10	29				
	647—PCX1E181MCL1GS	180	10 x 12.7	28				
35V								
	647—PCX1V100MCL1GS	10	6.3 x 6	85				
	647—PCX1V180MCL1GS	18	8 x 7	60				
	647—PCX1V390MCL6GS	39	8 x 10	35				
	647—PCX1V390MCL1GS	39	10 x 8	41				
	647—PCX1V560MCL1GS	56	8 x 12	33				
	647—PCX1V680MCL1GS	68	10 x 10	30				
	647—PCX1V101MCL1GS	100	10 x 12.7	29				
50V								
	647—PCX1H5R6MCL1GS	5.6	6.3 x 6	105				
	647—PCX1H100MCL1GS	10	8 x 7	75				
	647—PCX1H220MCL6GS	22	8 x 10	37				
	647—PCX1H220MCL1GS	22	10 x 8	56				
	647—PCX1H270MCL1GS	27	8 x 12	35				
	647—PCX1H330MCL1GS	33	10 x 10	31				
	647—PCX1H470MCL1GS	47	10 x 12.7	30				



This product is RoHS compliant.

CJ SERIES - HIGHER CAPACITANCE, LOW ESR

Features:

- Higher Capacitance
- Low ESR
- High ripple current
- Load life of 2000 hours at 105°C
- Lead free reflow soldering condition at 260°C

Specifications:

- Temperature Range: -55°C to +105°C
- Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-PCJ0E391MCL1GS	PCJ0E391MCL1GS	390	6.3 x 6	15				
647-PCJ0E561MCL1GS	PCJ0E561MCL1GS	560	8 x 7	13				
647-PCJ0E821MCL1GS	PCJ0E821MCL1GS	820	8 x 12	9				
647-PCJ0E152MCL1GS	PCJ0E152MCL1GS	1500	8 x 12	9				
647-PCJ0E222MCL1GS	PCJ0E222MCL1GS	2200	10 x 10	10				
4V								
647-PCJ0G331MCL1GS	PCJ0G331MCL1GS	330	6.3 x 6	15				
647-PCJ0G561MCL1GS	PCJ0G561MCL1GS	560	8 x 7	14				
647-PCJ0G561MCL9GS	PCJ0G561MCL9GS	560	8 x 12	9				
647-PCJ0G102MCL1GS	PCJ0G102MCL1GS	1000	10 x 8	13				
647-PCJ0G122MCL1GS	PCJ0G122MCL1GS	1200	8 x 12	9				
647-PCJ0G152MCL1GS	PCJ0G152MCL1GS	1500	8 x 12	9				
647-PCJ0G152MCL4GS	PCJ0G152MCL4GS	1500	10 x 10	10				
647-PCJ0G222MCL1GS	PCJ0G222MCL1GS	2200	10 x 12.7	9				
6.3V								
647-PCJ0J101MCL1GS	PCJ0J101MCL1GS	100	5 x 6	24				
647-PCJ0J121MCL1GS	PCJ0J121MCL1GS	120	5 x 6	24				
647-PCJ0J122MCL1GS	PCJ0J122MCL1GS	1200	10 x 10	12				
647-PCJ0J221MCL1GS	PCJ0J221MCL1GS	220	6.3 x 6	15				
647-PCJ0J391MCL1GS	PCJ0J391MCL1GS	390	8 x 7	14				
647-PCJ0J821MCL1GS	PCJ0J821MCL1GS	820	8 x 12	10				
647-PCJ0J821MCL4GS	PCJ0J821MCL4GS	820	10 x 8	13				
647-PCJ0J152MCL1GS	PCJ0J152MCL1GS	1500	10 x 10	12				
647-PCJ0J182MCL1GS	PCJ0J182MCL1GS	1800	10 x 12.7	11				
10V								
647-PCJ1A680MCL1GS	PCJ1A680MCL1GS	68	5 x 6	28				
647-PCJ1A121MCL1GS	PCJ1A121MCL1GS	120	6.3 x 6	25				
647-PCJ1A271MCL1GS	PCJ1A271MCL1GS	270	8 x 7	21				
647-PCJ1A471MCL1GS	PCJ1A471MCL1GS	470	10 x 8	19				
647-PCJ1A681MCL1GS	PCJ1A681MCL1GS	680	10 x 10	13				
16V								
647-PCJ1C390MCL1GS	PCJ1C390MCL1GS	39	5 x 6	35				
647-PCJ1C680MCL1GS	PCJ1C680MCL1GS	68	6.3 x 6	28				
647-PCJ1C121MCL1GS	PCJ1C121MCL1GS	120	8 x 7	24				
647-PCJ1C221MCL1GS	PCJ1C221MCL1GS	220	10 x 8	22				
647-PCJ1C331MCL1GS	PCJ1C331MCL1GS	330	10 x 10	16				

CF SERIES - CHIP TYPE, STANDARD

Features:

- Ultra low ESR
- High ripple current
- Load life of 2000 hours at 105°C
- Lead free reflow soldering condition at 260°C

Specifications:

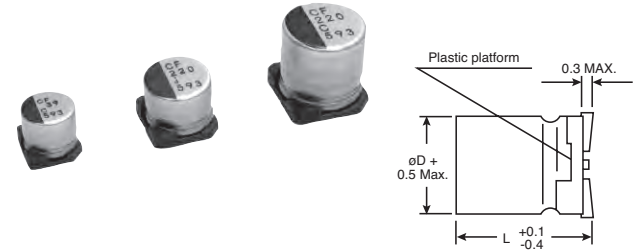
- Temperature Range: -55°C to +105°C
- Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-PCF0E221MCL1GS	PCF0E221MCL1GS	220	6.3 x 6	20				
647-PCF0E471MCL1GS	PCF0E471MCL1GS	470	8 x 7	20				
647-PCF0E152MCL1GS	PCF0E152MCL1GS	1500	10 x 10	13				
4V								
647-PCF1D100MCL1GS	PCF1D100MCL1GS	10	5 x 6	120				
647-PCF0G101MCL1GS	PCF0G101MCL1GS	100	6.3 x 6	22				
647-PCF0G151MCL1GS	PCF0G151MCL1GS	150	6.3 x 6	22				
647-PCF0G221MCL1GS	PCF0G221MCL1GS	220	8 x 7	21				
647-PCF0G331MCL1GS	PCF0G331MCL1GS	330	8 x 7	21				
647-PCF0G471MCL1GS	PCF0G471MCL1GS	470	10 x 8	17				
647-PCF0G681MCL1GS	PCF0G681MCL1GS	680	10 x 8	17				
647-PCF0G821MCL1GS	PCF0G821MCL1GS	820	10 x 10	13				
647-PCF0G122MCL1GS	PCF0G122MCL1GS	1200	10 x 12.7	10				
6.3V								
647-PCF0J820MCL1GS	PCF0J820MCL1GS	82	6.3 x 6	23				
647-PCF0J121MCL1GS	PCF0J121MCL1GS	120	6.3 x 6	23				
647-PCF0J151MCL1GS	PCF0J151MCL1GS	150	8 x 7	22				
647-PCF0J221MCL1GS	PCF0J221MCL1GS	220	8 x 7	22				
647-PCF0J331MCL1GS	PCF0J331MCL1GS	330	10 x 8	18				
647-PCF0J471MCL6GS	PCF0J471MCL6GS	470	10 x 8	18				
647-PCF0J471MCL1GS	PCF0J471MCL1GS	470	10 x 10	16				
647-PCF0J681MCL1GS	PCF0J681MCL1GS	680	10 x 10	14				
10V								
647-PCF1A47MCL1GS	PCF1A47MCL1GS	47	6.3 x 6	26				
647-PCF1A560MCL1GS	PCF1A560MCL1GS	56	6.3 x 6	25				
647-PCF1A121MCL1GS	PCF1A121MCL1GS	120	8 x 7	23				
647-PCF1A151MCL6GS	PCF1A151MCL6GS	150	8 x 7	23				
647-PCF1A151MCL6GS	PCF1A151MCL6GS	150	8 x 7	23				
647-PCF1A151MCL1GS	PCF1A151MCL1GS	150	10 x 8	21				
647-PCF1A271MCL1GS	PCF1A271MCL1GS	270	10 x 8	20				
647-PCF1A331MCL1GS	PCF1A331MCL1GS	330	10 x 8	20				
647-PCF1A471MCL1GS	PCF1A471MCL1GS	470	10 x 10	16				
647-PCF1A561MCL1GS	PCF1A561MCL1GS	560	10 x 10	15				
16V								
647-PCF1C3R3MCL1GS	PCF1C3R3MCL1GS	3.3	4 x 5.5	260				
647-PCF1C330MCL1GS	PCF1C330MCL1GS	33	6.3 x 6	31				
647-PCF1C390MCL1GS	PCF1C390MCL1GS	39	6.3 x 6	31				
647-PCF1C560MCL1GS	PCF1C560MCL1GS	56	8 x 7	30				
647-PCF1C820MCL1GS	PCF1C820MCL1GS	82	10 x 10	28				
647-PCF1C151MCL1GS	PCF1C151MCL1GS	150	10 x 8	25				
647-PCF1C181MCL1GS	PCF1C181MCL1GS	180	10 x 8	25				
647-PCF1C221MCL1GS	PCF1C221MCL1GS	220	10 x 10	20				

DIMENSIONS: mm

CF, CG & CJ Series



CF SERIES - CHIP TYPE, STANDARD (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
20V								
647-PCF1D220MCL1GS	PCF1D220MCL1GS	22	6.3 x 6	50				
647-PCF1D390MCL1GS	PCF1D390MCL1GS	39	8 x 7	45				
647-PCF1D680MCL1GS	PCF1D680MCL1GS	68	10 x 8	40				
647-PCF1D820MCL1GS	PCF1D820MCL1GS	82	10 x 8	40				
647-PCF1D121MCL1GS	PCF1D121MCL1GS	120	10 x 10	35				
25V								
647-PCF1E6R8MCL1GS	PCF1E6R8MCL1GS	6.8	6.3 x 6	80				
647-PCF1E100MCL1GS	PCF1E100MCL1GS	10	8 x 7	60				
647-PCF1E220MCL1GS	PCF1E220MCL1GS	22	10 x 8	50				
647-PCF1E470MCL1GS	PCF1E470MCL1GS	47	10 x 10	45				
647-PCF1A121MCL1GS	PCF1A121MCL1GS	120	8 x 7	23				

CG SERIES - CHIP TYPE, HIGHER CAPACITANCE



Features:

- Higher Capacitance
- Low ESR
- High ripple current
- Load life of 2000 hours at 105°C
- Lead free reflow soldering condition at 260°C

Specifications:

- Temperature Range: -55°C to +105°C
- Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-PCG0E221MCL1GS	PCG0E221MCL1GS	220	5 x 6	30				
647-PCG0E331MCO1GS	PCG0E331MCO1GS	330	5 x 6	10				
647-PCG0E331MCL1GS	PCG0E331MCL1GS	330	5 x 6	30				
647-PCG0E561MCL1GS	PCG0E561MCL1GS	560	6.3 x 6	20				
647-PCG0E821MCL1GS	PCG0E821MCL1GS	820	8 x 7	20				
647-PCG0E272MCL1GS	PCG0E272MCL1GS	2700	10 x 10	12				
647-PCG0E332MCL1GS	PCG0E332MCL1GS	3300	10 x 12.7	10				
647-PCG0E472MCL1GS	PCG0E472MCL1GS	4700	10 x 12.7	10				
4V								
647-PCG0G181MCL1GS	PCG0G181MCL1GS	180	5 x 6	32				
647-PCG0G221MCO1GS	PCG0G221MCO1GS	440	5 x 6	15				
647-PCG0G221MCL1GS	PCG0G221MCL1GS	440	5 x 6	32				
647-PCG0G681MCL1GS	PCG0G681MCL1GS	680	8 x 7	21				
647-PCG0G122MCL1GS	PCG0G122MCL1GS	1200	10 x 8	17				
647-PCG0G222MCL1GS	PCG0G222MCL1GS	2200	10 x 10	13				
647-PCG0G272MCL1GS	PCG0G272MCL1GS	2700	10 x 12.7	11				
647-PCG0G332MCL1GS	PCG0G332MCL1GS	3300	10 x 12.7	11				
6.3V								
647-PCG0J151MCL1GS	PCG0J151MCL1GS	150	5 x 6	33				
647-PCG0J181MCO1GS	PCG0J181MCO1GS	180	5 x 6	17				
647-PCG0J181MCL1GS	PCG0J181MCL1GS	180	5 x 6	33				
647-PCG0J271MCL1GS	PCG0J271MCL1GS	270	6.3 x 6	23				
647-PCG0J331MCL1GS	PCG0J331MCL1GS	330	6.					

NICHICON Polymer Aluminum Electrolytic Capacitors



This product is RoHS compliant.

LV SERIES - RADIAL TYPE, LONG LIFE ASSURANCE

Features:

- High voltage (to 63V)
- Low ESR, high ripple current
- Long life of 3000 hours at 105°C

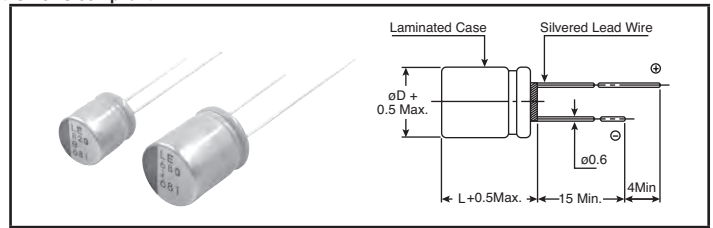
Specifications:

- Temperature Range: -55 to +105°C
- Tolerance: ±20% at 120Hz, 20°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (@ 100kHz 20°C)	Price Each			
					1	10	100	500
16V								
647-PLV1C221MCL1TD	PLV1C221MCL1TD	220	8 x 9	26				
647-PLV1C271MDL1TD	PLV1C271MDL1TD	270	8 x 12	24				
647-PLV1C471MDL1TD	PLV1C471MDL1TD	470	10 x 13	23				
20V								
647-PLV1D151MCL1TD	PLV1D151MCL1TD	150	8 x 9	27				
647-PLV1D221MDL1TD	PLV1D221MDL1TD	220	8 x 12	25				
647-PLV1D331MDL1TD	PLV1D331MDL1TD	330	10 x 13	24				
25V								
647-PLV1E121MCL1TD	PLV1E121MCL1TD	120	8 x 9	28				
647-PLV1E151MDL1TD	PLV1E151MDL1TD	150	8 x 12	26				
647-PLV1E271MDL1TD	PLV1E271MDL1TD	270	10 x 13	25				
35V								
647-PLV1V560MCL1TD	PLV1V560MCL1TD	56	8 x 9	29				
647-PLV1V820MDL1TD	PLV1V820MDL1TD	82	8 x 12	27				
50V								
647-PLV1H330MCL1TD	PLV1H330MCL1TD	33	8 x 9	32				
647-PLV1H390MDL1TD	PLV1H390MDL1TD	39	8 x 12	29				
647-PLV1H680MDL1TD	PLV1H680MDL1TD	68	10 x 13	28				
63V								
647-PLV1J270MDL1TD	PLV1J270MDL1TD	27	8 x 12	33				
80V								
647-PLV1K100MCL1TD	PLV1K100MCL1TD	10	8 x 9	40				
647-PLV1K120MDL1TD	PLV1K120MDL1TD	12	8 x 12	38				
647-PLV1K220MDL1TD	PLV1K220MDL1TD	22	10 x 13	35				
100V								
647-PLV2A100MDL1TD	PLV2A100MDL1TD	10	8 x 12	42				
647-PLV2A180MDL1TD	PLV2A180MDL1TD	18	10 x 13	38				



LE SERIES - ULTRA LOW ESR

Features:

- Ultra Low ESR
- High ripple current
- Load life of 2000 hours at 105°C
- Lead free reflow soldering condition at 260°C

Specifications:

- Temperature Range: -55°C to +105°C
- Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (@ 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-PLE0E561MCO1	PLE0E561MCO1	560	8 x 9	5				
647-PLE0E821MCO6	PLE0E821MCO6	820	8 x 9	5				
647-PLE0E821MDO1	PLE0E821MDO1	820	8 x 12	5				
647-PLE0E102MDO1	PLE0E102MDO1	1000	10 x 13	5				
647-PLE0E152MDO1	PLE0E152MDO1	1500	10 x 13	5				
4.0V								
647-PLE0G561MCO1	PLE0G561MCO1	560	8 x 9	5				
647-PLE0G681MDO1	PLE0G681MDO1	680	8 x 12	5				
647-PLE0G821MDO1	PLE0G821MDO1	820	10 x 13	5				
647-PLE0G122MDO1	PLE0G122MDO1	1200	10 x 13	5				
6.3V								
647-PLE0J471MDO1	PLE0J471MDO1	470	8 x 12	5				
647-PLE0J681MDO1	PLE0J681MDO1	680	10 x 13	5				
647-PLE0J821MDO1	PLE0J821MDO1	820	10 x 13	5				

LX SERIES - RADIAL TYPE, LONG LIFE ASSURANCE

Features:

- High reliability, high voltage (to 50V)
- Low ESR, high ripple current
- Long life of 3000 hours at 125°C

Specifications:

- Temperature Range: -55 to +125°C
- Tolerance: ±20% at 120Hz, 20°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (@ 100kHz 20°C)	Price Each			
					1	10	100	500
16V								
647-PLX1C151MCL1TD	PLX1C151MCL1TD	150	8 x 9	26				
647-PLX1C221MDL1TD	PLX1C221MDL1TD	220	8 x 12	25				
647-PLX1C391MDL1TD	PLX1C391MDL1TD	390	10 x 13	23				
20V								
647-PLX1D121MCL1TD	PLX1D121MCL1TD	120	8 x 9	27				
647-PLX1D151MDL1TD	PLX1D151MDL1TD	150	8 x 12	26				
647-PLX1D271MDL1TD	PLX1D271MDL1TD	270	10 x 13	24				
25V								
647-PLX1E820MCL1TD	PLX1E820MCL1TD	82	8 x 9	28				
647-PLX1E121MDL1TD	PLX1E121MDL1TD	120	8 x 12	27				
647-PLX1E181MDL1TD	PLX1E181MDL1TD	180	10 x 13	25				
35V								
647-PLX1V390MCL1TD	PLX1V390MCL1TD	39	8 x 9	33				
647-PLX1V560MDL1TD	PLX1V560MDL1TD	56	8 x 12	31				
647-PLX1V101MDL1TD	PLX1V101MDL1TD	100	10 x 13	28				
50V								
647-PLX1H220MCL1TD	PLX1H220MCL1TD	22	8 x 9	35				
647-PLX1H270MDL1TD	PLX1H270MDL1TD	27	8 x 12	33				
647-PLX1H470MDL1TD	PLX1H470MDL1TD	47	10 x 13	29				

LF SERIES - RADIAL LEAD TYPE, STANDARD

Features:

- Ultra Low ESR
- High ripple current
- Load life of 2000 hours at 105°C
- Lead free reflow soldering condition at 260°C

Specifications:

- Temperature Range: -55°C to +105°C
- Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (@ 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-PLF0E561MCO1	PLF0E561MCO1	560	8 x 9	6				
647-PLF0E681MDO1	PLF0E681MDO1	680	8 x 12	6				
647-PLF0E821MCO6	PLF0E821MCO6	820	8 x 9	7				
647-PLF0E821MDO1	PLF0E821MDO1	820	8 x 12	6				
647-PLF0E102MDO1	PLF0E102MDO1	1000	10 x 13	7				
4.0V								
647-PLF0G561MCO6	PLF0G561MCO6	560	8 x 9	7				
647-PLF0G561MDO1	PLF0G561MDO1	560	8 x 12	7				
647-PLF0G681MDO1	PLF0G681MDO1	680	8 x 12	6				
647-PLF0G821MDO1	PLF0G821MDO1	820	10 x 13	6				
6.3V								
647-PLF0J471MCO6	PLF0J471MCO6	470	8 x 9	7				
647-PLF0J471MDO1	PLF0J471MDO1	470	8 x 12	7				
647-PLF0J681MDO1	PLF0J681MDO1	680	10 x 13	6				
10V								
647-PLF1A271MDO1	PLF1A271MDO1	270	8 x 12	8				
647-PLF1A471MDO1	PLF1A471MDO1	470	10 x 13	7				
16V								
647-PLF1C271MDO1	PLF1C271MDO1	270	8 x 12	9				
647-PLF1C471MDO1	PLF1C471MDO1	470	10 x 13	9				

LG SERIES - RADIAL LEAD TYPE, HIGHER CAPACITANCE

Features:

- Ultra Low ESR
- High ripple current
- Load life of 2000 hours at 105°C
- Lead free reflow soldering condition at 260°C

Specifications:

- Temperature Range: -55°C to +105°C
- Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

Voltage	
Code	V
e	2.5
g	4
j	6.3
A	10
C	16

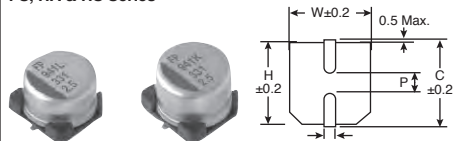
DIMENSIONS: mm				
øD x L	øD	L	P	
8 x 9	8.0	8.5	3.5	
8 x 12	8.0	11.5	3.5	
10 x 13	10.0	12.5	5.0	

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (@ 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-PLG0E182MCO1	PLG0E182MCO1	1800	8 x 9	9				
647-PLG0E222MDO1	PLG0E222MDO1	2200	8 x 12	8				
647-PLG0E392MDO1	PLG0E392MDO1	3900	10 x 13	8				
4.0V								
647-PLG0G122MCO1	PLG0G122MCO1	1200	8 x 9	9				
647-PLG0G182MDO1	PLG0G182MDO1	1800	8 x 12	9				
647-PLG0G272MDO1	PLG0G272MDO1	2700	10 x 13	8				
6.3V								
647-PLG0J821MCO1	PLG0J821MCO1	820	8 x 9	9				
647-PLG0J122MDO1	PLG0J122MDO1	1200	8 x 12	9				
647-PLG0J182MDO1	PLG0J182MDO1	1800	10 x 13	8				
10V								
647-PLG1A561MCO1	PLG1A561MCO1	560	8 x 9	11				
647-PLG1A821MDO1	PLG1A821MDO1	820	8 x 12	10				
647-PLG1A122MDO1	PLG1A122MDO1	1200	10 x 13	9				
16V								
647-PLG1C331MCO1	PLG1C331MCO1	330	8 x 9	13				
647-PLG1C471MDO1	PLG1C471MDO1	470	8 x 12	11				
647-PLG1C821MDO1	PLG1C821MDO1	820	10 x 13	11				

RoHS Compliant This product is RoHS compliant.

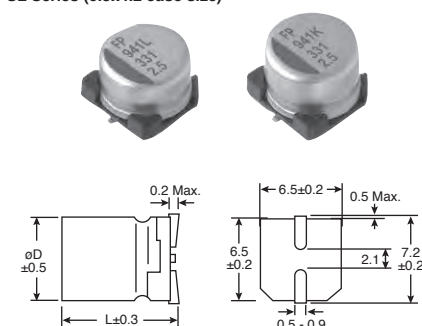
DIMENSIONS: mm

FS, HA & HS Series

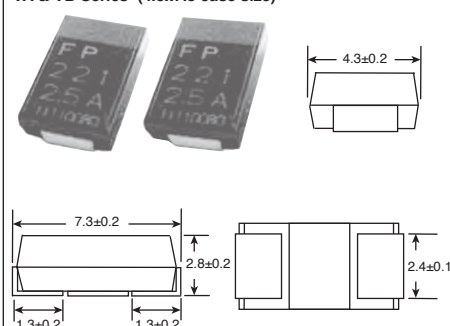


DIMENSIONS: mm						
øD x L	W	H	C	R	P	
4 x 5.2	4.3	4.3	5.1	0.5-0.9	1.0	
5 x 5.7	5.3	5.3	5.9	0.5-0.9	1.4	
8 x 6.7	8.3	8.3	9.0	0.8-1.1	3.2	
8 x 7.7	8.3	8.3	9.0	0.8-1.1	3.2	
8 x 11.7	8.3	8.3	9.0	0.8-1.1	3.2	

SL Series (6.3x4.2 case size)



VA & VB Series (4.3x7.3 case size)



Nichicon Aluminum Polymer Caps

FS SERIES - LOW ESR AND LARGE CAPACITANCE

- Features:**
- Low ESR at a high frequency range
 - High ripple current capability
 - Load life of 2000 hours at 105°C
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C



MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
For quantities greater than listed, call for quote.								
2.5V								
647-RFS0E181MCN1GS	RFS0E181MCN1GS	180	5 x 5.7	21				
4V								
647-RFS0G101MCN1GS	RFS0G101MCN1GS	100	5 x 5.7	22				
647-RFS0G151MCN1GS	RFS0G151MCN1GS	150	5 x 5.7	22				
6.3V								
647-RFS0J470MCN1GS	RFS0J470MCN1GS	47	5 x 5.7	30				
647-RFS0J101MCN1GS	RFS0J101MCN1GS	100	5 x 5.7	24				
647-RFS0J121MCN1GS	RFS0J121MCN1GS	120	5 x 5.7	24				
10V								
647-RFS1A100MCN1GB	RFS1A100MCN1GB	10	4 x 5.2	220				
647-RFS1A680MCN1GS	RFS1A680MCN1GS	68	5 x 5.7	30				
16V								
647-RFS1C330MCN1GS	RFS1C330MCN1GS	33	5 x 5.7	35				
647-RFS1C390MCN1GS	RFS1C390MCN1GS	39	5 x 5.7	35				
25V								
647-RFS1C220MCN1GS	RFS1C220MCN1GS	22	5 x 5.7	40				
647-RFS1E220MCN1GS	RFS1E220MCN1GS	22	5 x 5.7	22				

SL SERIES - LOW PROFILE, LOW ESR AND LARGE CAPACITANCE

- Features:**
- Low ESR at a high frequency range
 - High ripple current capability
 - Low profile type (Height: 4.5mm and 5mm Max)
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

These items are also available in bulk. Please contact your customer service representative for assistance.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	ESR (at 100kHz 20°C)	Price Each			
				1	10	100	500
For quantities greater than listed, call for quote.							
2.5V							
647-RSLOE101MCN1GB	RSLOE101MCN1GB	100	16				
647-RSLOE221MCN1GB	RSLOE221MCN1GB	220	16				
647-RSLOE331MCN1GB	RSLOE331MCN1GB	330	16				
6.3V							
647-RSL0J101MCN1GB	RSL0J101MCN1GB	100	18				
647-RSL0J151MCN1GB	RSL0J151MCN1GB	150	18				
647-RSL0J221MCN1GB	RSL0J221MCN1GB	220	18				
16V							
647-RSL1C150MCN1GB	RSL1C150MCN1GB	150	45				

HA & HS SERIES - LOW ESR AND LARGE CAPACITANCE

- Features:**
- Low ESR at a high frequency range
 - High ripple current capability
 - Load life of 2000 hours at 105°C
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

HA Series

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
For quantities greater than listed, call for quote.								
2.5V								
647-RHA0E681MCN1GS	RHA0E681MCN1GS	680	8 x 6.7	8				
647-RHA0E821MCN1GS	RHA0E821MCN1GS	820	8 x 6.7	8				
647-RHA0E102MCN1GS	RHA0E102MCN1GS	1000	8 x 7.7	8				
4V								
647-RHA0G561MCN1GS	RHA0G561MCN1GS	560	8 x 6.7	8				
647-RHA0G681MCN1GS	RHA0G681MCN1GS	680	8 x 7.7	8				
6.3V								
647-RHA0J331MCN1GS	RHA0J331MCN1GS	330	8 x 6.7	9				
647-RHA0J391MCN1GS	RHA0J391MCN1GS	390	8 x 6.7	9				
647-RHA0J471MCN1GS	RHA0J471MCN1GS	470	8 x 6.7	9				
647-RHA0J561MCN1GS	RHA0J561MCN1GS	560	8 x 7.7	9				
16V								
647-RHA1C151MCN1GS	RHA1C151MCN1GS	150	8 x 6.7	22				

HS Series

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size DxDL (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
For quantities greater than listed, call for quote.								
2.5V								
647-RHS0E821MCN1GS	RHS0E821MCN1GS	820	8 x 11.7	9				
647-RHS0E152MCN1GS	RHS0E152MCN1GS	1500	8 x 11.7	9				
4V								
647-RHS0G561MCN1GS	RHS0G561MCN1GS	560	8 x 6.7	16				
647-RHS0G122MCN1GS	RHS0G122MCN1GS	1200	8 x 11.7	9				
647-RHS0G152MCN1GS	RHS0G152MCN1GS	1500	8 x 11.7	12				
6.3V								
647-RHS0J391MCN1GS	RHS0J391MCN1GS	390	8 x 6.7	18				
647-RHS0J821MCN1GS	RHS0J821MCN1GS	820	8 x 11.7	10				
647-RHS0J102MCN1GS	RHS0J102MCN1GS	1000	8 x 11.7	10				
10V								
647-RHS1A151MCN1GS	RHS1A151MCN1GS	150	8 x 6.7	25				

VA & VB SERIES - LOW ESR

- Features:**
- Low ESR at a high frequency range
 - High ripple current capability
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C



VA Series

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	ESR (at 100kHz 20°C)	Price Each			
				1	10	100	500
For quantities greater than listed, call for quote.							
2.5V							
647-RVA0E221MNG	RVA0E221MNG	220	18				
4.0V							
647-RVA0G151MNG	RVA0G151MNG	150	18				
6.3V							
647-RVA0J101MNG	RVA0J101MNG	100	25				
16V							
647-RVA1C270MNG	RVA1C270MNG	27	55				
647-RVA1C330MNG	RVA1C330MNG	33	55				
25V							
647-RVA1E150MNG	RVA1E150MNG	15	60				

VB Series

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	ESR (at 100kHz 20°C)	Price Each			
				1	10	100	500
For quantities greater than listed, call for quote.							
2.5V							
647-RVB0E221MNG	RVB0E221MNG	220	15				
4.0V							
647-RVB0G151MNG	RVB0G151MNG	150	15				
6.3V							
647-RVB0J101MNG	RVB0J101MNG	100	20				

NICHICON SMD FPCAP Polymer Electrolytic Capacitors nichicon

NEW AT Mouser

Aluminum Polymer Caps Nichicon

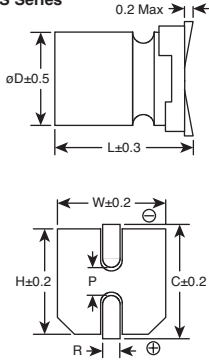
NEW AT Mouser

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This product is RoHS compliant.

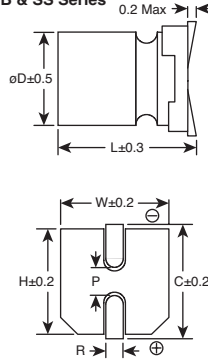
DIMENSIONS: mm.

PA & PS Series



DxL	W	H	C	R	P
6.3x5.7	6.5	6.5	7.2	0.5 to 0.9	2.1
8x6.7	8.3	8.3	9	0.8 to 1.1	3.2
8x11.7	8.3	8.3	9	0.8 to 1.1	3.2
10x7.7	10.3	10.3	11	0.8 to 1.1	4.6
10x12.4	10.3	10.3	11	0.8 to 1.1	4.6

SA, SB & SS Series



DxL	W	H	C	R	P
6.3x5.7	6.5	6.5	7.2	0.5 to 0.9	2.1
6.3x7.7	6.5	6.5	7.2	0.5 to 0.9	2.1

PA & PS SERIES - LOW ESR, HIGH VOLTAGE

Features:

- Low ESR at high frequency range
- High ripple current capability
- Long life and high reliability

Specifications:

- Temperature Range: -55°C to +105°C
- Tolerance: ±20% at 120Hz, 20°C

Applications:

- Switching power supply and DC/DC converter
- Back-up power supplies of CPU (VRM etc.)
- Miniature high power supply

SA, SB, AND SS SERIES - LOW ESR AND LARGE CAPACITANCE

Features:

- Low ESR at high frequency range
- High ripple current capability
- Long life and high reliability

Specifications:

- Temperature Range: -55°C to +105°C
- Tolerance: ±20% at 120Hz, 20°C

Applications:

- Switching power supply and DC/DC converter
- Back-up power supplies of CPU (VRM etc.)
- Miniature high power supply

PA Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Size D x L (mm)	ESR (mΩ) (@ 100kHz 20°C)	Price Each			
Mfr.	Mfr. Part No.				1	10	100	500
4 Volt								
	647—RPA0G561MCN1GS	560	8 x 11.7	9				
10 Volt								
	647—RPA1A331MCN1GS	330	10 x 7.7	17				
16 Volt								
	647—RPA1C390MCN1GS	39	6.3 x 5.7	24				
	647—RPA1C221MCN1GS	220	10 x 7.7	22				

PS Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Size D x L (mm)	ESR (mΩ) (@ 100kHz 20°C)	Price Each			
Mfr.	Mfr. Part No.				1	10	100	500
2.5 Volt								
	647—RPS0E681MCN1GS	680	8 x 11.7	13				
	647—RPS0E152MCN1GS	1500	10 x 12.4	10				
4 Volt								
	647—RPS0G101MCN1GS	100	6.3 x 5.7	35				
	647—RPS0G331MCN1GS	330	8 x 6.7	30				
	647—RPS0G471MCN1GS	470	10 x 7.7	22				
	647—RPS0G561MCN1GS	560	8 x 11.7	13				
	647—RPS0G122MCN1GS	1200	10 x 12.4	12				
6.3 Volt								
	647—RPS0J820MCN1GS	82	6.3 x 5.7	35				
	647—RPS0J151MCN1GS	150	8 x 6.7	30				
	647—RPS0J181MCN1GS	180	8 x 6.7	30				
	647—RPS0J331MCN1GS	330	10 x 7.7	22				
	647—RPS0J471MCN1GS	470	8 x 11.7	15				
	647—RPS0J561MCN1GS	560	8 x 11.7	14				
	647—RPS0J681MCN1GS	680	10 x 12.4	13				
	647—RPS0J821MCN1GS	820	10 x 12.4	12				
	647—RPS0J102MCN1GS	1000	10 x 12.4	12				
10 Volt								
	647—RPS1A470MCN1GS	47	6.3 x 5.7	40				
	647—RPS1A560MCN1GS	56	6.3 x 5.7	40				
	647—RPS1A121MCN1GS	120	8 x 6.7	30				
	647—RPS1A271MCN1GS	270	10 x 7.7	25				
	647—RPS1A331MCN1GS	330	8 x 11.7	17				
	647—RPS1A561MCN1GS	560	10 x 12.4	13				
16 Volt								
	647—RPS1C390MCN1GS	39	6.3 x 5.7	45				
	647—RPS1C560MCN1GS	56	8 x 6.7	40				
	647—RPS1C820MCN1GS	82	8 x 6.7	40				
	647—RPS1C181MCN1GS	180	8 x 11.7	20				
	647—RPS1C221MCN1GS	220	8 x 11.7	20				
	647—RPS1C331MCN1GS	330	10 x 12.4	16				

SA Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Size D x L (mm)	ESR (mΩ) (@ 100kHz 20°C)	Price Each			
Mfr.	Mfr. Part No.				1	10	100	500
2.5 Volt								
	647—RSA0E331MCN1GS	330	6.3 x 5.7	14				
	647—RSA0E391MCN1GS	390	6.3 x 5.7	14				
	647—RSA0E471MCN1GS	470	6.3 x 5.7	13				
	647—RSA0E561MCN1GS	560	6.3 x 5.7	13				
4 Volt								
	647—RSA0G331MCN1GS	330	6.3 x 5.7	14				
	647—RSA0G391MCN1GS	390	6.3 x 5.7	14				
6.3 Volt								
	647—RSA0J221MCN1GS	220	6.3 x 5.7	15				
	647—RSA0J271MCN1GS	270	6.3 x 5.7	14				
	647—RSA0J331MCN1GS	330	6.3 x 5.7	14				
10 Volt								
	647—RSA1A121MCN1GS	120	6.3 x 5.7	18				
16 Volt								
	647—RSA1C101MCN1GS	100	6.3 x 7.7	24				

SB Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Size D x L (mm)	ESR (mΩ) (@ 100kHz 20°C)	Price Each			
Mfr.	Mfr. Part No.				1	10	100	500
2.5 Volt								
	647—RSB0E391MCN1GS	390	6.3 x 5.7	10				
	647—RSB0E561MCN1GS	560	6.3 x 5.7	10				
4 Volt								
	647—RSB0G331MCN1GS	330	6.3 x 5.7	11				
6.3 Volt								
	647—RSB0J221MCN1GS	220	6.3 x 5.7	12				

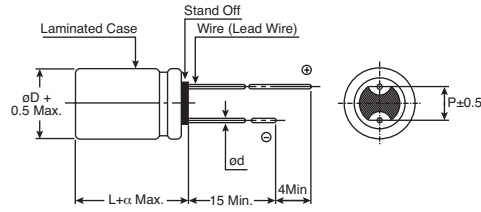
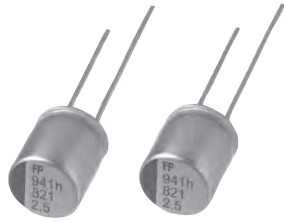
SS Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Size D x L (mm)	ESR (mΩ) (@ 100kHz 20°C)	Price Each			
Mfr.	Mfr. Part No.				1	10	100	500
2.5 Volt								
	647—RSS0E561MCN1GS	560	6.3 x 5.7	25				
6.3 Volt								
	647—RSS0J101MCN1GS	100	6.3 x 5.7	25				
	647—RSS0J221MCN1GS	220	6.3 x 5.7	25				
	647—RSS0J331MCN1GS	330	6.3 x 5.7	25				
16 Volt								
	647—RSS1C101MCN1GS	100	6.3 x 5.7	24				
25 Volt								
	647—RSS1E100MCN1GS	10	6.3 x 5.7	60				
	647—RSS1E220MCN1GS	22	6.3 x 5.7	60				
	647—RSS1E270MCN1GS	27	6.3 x 5.7	40				
	647—RSS1E470MCN1GS	47	6.3 x 5.7	30				

NICHICON Leaded FPCAP Electrolytic Capacitors nichicon

RoHS Compliant This product is RoHS compliant.



DIMENSIONS: mm			
øD x L	ød	P	α
8 x 11.5	0.6	3.5	1.5
10 x 12.5	0.6	5.0	1.5
5 x 8	0.6	2.0	1.0
5 x 10	0.5	2.0	1.0
6.3 x 6	0.45	2.5	1.0
6.3 x 10	0.5	2.5	1.0
8 x 6	0.6	3.5	1.0
8 x 9	0.6	3.5	1.0
8 x 11.5	0.6	3.5	1.5

Nichicon Aluminum Polymer Caps

HT SERIES - LOW ESR, HIGH TEMPERATURE AND LARGE CAPACITANCE

- Features:**
- Low ESR at a high frequency range
 - High ripple current capability
 - Guaranteed at 125°C and high reliability
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
6.3V								
647-RHT0J681MDN1	RHT0J681MDN1	680	10 x 12.5	12				
647-RHT0J821MDN1	RHT0J821MDN1	820	10 x 12.5	12				
10V								
647-RHT1A221MDN1	RHT1A221MDN1	220	8 x 11.5	17				
647-RHT1A331MDN1	RHT1A331MDN1	330	8 x 11.5	17				
647-RHT1A561MDN1	RHT1A561MDN1	560	10 x 12.5	13				
16V								
647-RHT1C331MDN1	RHT1C331MDN1	330	10 x 12.5	16				
20V								
647-RHT1D151MDN1	RHT1D151MDN1	150	10 x 12.5	20				

S6 SERIES - LOW ESR, LOW PROFILE AND LARGE CAPACITANCE

- Features:**
- Low ESR at a high frequency range
 - High ripple current capability
 - Long life and high reliability
- Specifications:**
- Temperature Range: -55 to +105°C
 - Tolerance: ±20% at 120Hz, 20°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) (Max)	ESR (@ 100kHz 20°C)	Price Each			
					1	10	100	500
16V								
647-RS61C101MDS1JT	RS61C101MDS1JT	100	6.3 x 6	24				

R5 SERIES - ULTRA LOW ESR

- Features:**
- Low ESR at a high frequency range
 - High ripple current capability
 - Load life of 2000 hours at 105°C
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) (Max)	ESR (@ 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-RR50E561MDN1	RR50E561MDN1	560	8 x 11.5	5				
647-RR50E681MDN1	RR50E681MDN1	680	8 x 11.5	5				
647-RR50E821MDN1	RR50E821MDN1	820	8 x 11.5	5				
647-RR50E102MDN1	RR50E102MDN1	1000	8 x 11.5	5				
647-RR50E152MDN1	RR50E152MDN1	1500	10 x 12.5	5				
4V								
647-RR50G561MDN1	RR50G561MDN1	560	8 x 11.5	5				
647-RR50G821MDN1	RR50G821MDN1	820	10 x 12.5	5				
647-RR50G122MDN1	RR50G122MDN1	1200	10 x 12.5	5				
6.3V								
647-RR50J391MDN1	RR50J391MDN1	390	8 x 11.5	5				
647-RR50J681MDN1	RR50J681MDN1	680	10 x 12.5	5				
647-RR50J821MDN1	RR50J821MDN1	820	10 x 12.5	5				

F8 SERIES - RADIAL LEAD TYPE, ULTRA LOW ESR, LOW ESL AND ULTRA LOW CAPACITANCE

- Features:**
- Ultra Low ESR at high frequency range
 - High ripple current capability
 - Load life of 2000 hours at 105°C
 - Lead free reflow soldering condition at 260°C
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) (Max)	ESR (@ 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-RF80E101MDN1PX	RF80E101MDN1PX	100	5 x 8	7				
647-RF80E331MDN1PX	RF80E331MDN1PX	330	5 x 8	7				
647-RF80E471MDN1PX	RF80E471MDN1PX	470	5 x 8	7				
647-RF80E561MDN1PX	RF80E561MDN1PX	560	5 x 8	7				
4.5V								
647-RF80G331MDN1PX	RF80G331MDN1PX	330	5 x 8	8				
6.3V								
647-RF80J271MDN1PX	RF80J271MDN1PX	270	5 x 8	11				

R7 SERIES - ULTRA LOW ESR

- Features:**
- Low ESR at a high frequency range
 - High ripple current capability
 - Load life of 2000 hours at 105°C
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-RR70E681MDN1	RR70E681MDN1	680	8 x 11.5	7				
647-RR70E821MDN1	RR70E821MDN1	820	8 x 11.5	7				
647-RR70E152MDN1	RR70E152MDN1	1500	10 x 12.5	7				
4V								
647-RR70G561MDN1	RR70G561MDN1	560	8 x 11.5	7				
647-RR70G821MDN1	RR70G821MDN1	820	10 x 12.5	7				
647-RR70G122MDN1	RR70G122MDN1	1200	10 x 12.5	7				
6.3V								
647-RR70J151MDN1	RR70J151MDN1	150	8 x 11.5	7				
647-RR70J221MDN1	RR70J221MDN1	220	8 x 11.5	7				
647-RR70J331MDN1	RR70J331MDN1	330	10 x 12.5	7				
647-RR70J391MDN1	RR70J391MDN1	390	8 x 11.5	7				
647-RR70J681MDN1	RR70J681MDN1	680	10 x 12.5	7				
647-RR70J821MDN1	RR70J821MDN1	820	10 x 12.5	7				
647-RR70J102MDN1	RR70J102MDN1	1000	10 x 12.5	7				
10V								
647-RR71A101MDN1	RR71A101MDN1	100	8 x 11.5	7				
647-RR71A221MDN1	RR71A221MDN1	220	10 x 12.5	7				
647-RR71A471MDN1	RR71A471MDN1	470	10 x 12.5	7				
647-RR71A681MDN1	RR71A681MDN1	680	10 x 12.5	7				
16V								
647-RR71C680MDN1	RR71C680MDN1	68	8 x 11.5	7				
647-RR71C101MDN1	RR71C101MDN1	100	8 x 11.5	7				
647-RR71C151MDN1	RR71C151MDN1	150	10 x 12.5	7				
647-RR71C331MDN1	RR71C331MDN1	330	10 x 12.5	7				

E5 SERIES - LOW ESR, LOW PROFILE AND LARGE CAPACITANCE

- Features:**
- Ultra Low ESR
 - High ripple current
 - Load life of 2000 hours at 105°C
 - Lead free reflow soldering condition at 260°C
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) (Max)	ESR (at 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-RE50E561MDN1	RE50E561MDN1	560	8 x 8	5				
647-RE50E821MDN1	RE50E821MDN1	820	8 x 8	5				
4V								
647-RE50G561MDN1	RE50G561MDN1	560	8 x 8	5				

NE SERIES - RADIAL LEAD TYPE, ULTRA LOW ESR AND ULTRA LOW CAPACITANCE

- Features:**
- Ultra Low ESR at high frequency range
 - High ripple current capability
 - Load life of 2000 hours at 105°C
 - Lead free reflow soldering condition at 260°C
- Specifications:**
- Temperature Range: -55°C to +105°C
 - Tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) (Max)	ESR (@ 100kHz 20°C)	Price Each			
					1	10	100	500
2.5V								
647-RNE0E681MDN1PX	RNE0E681MDN1PX	680	8 x 6	8				
6.3V								
647-RNE0J122MDN1PX	RNE0J122MDN1PX	1200	8 x 9	10				
10V								
647-RNE1A221MDS1PX	RNE1A221MDS1PX	220	6.3 x 10	30				
16V								
647-RNE1C101MDS1PX	RNE1C101MDS1PX	100	5 x 10	35				
647-RNE1C471MDN1PX	RNE1C471MDN1PX	470	8 x 11.5	12				

PANASONIC Polymer Aluminum Capacitors Panasonic

RoHS Compliant This product is RoHS compliant.

CD, CX, GX, HE, LX, SL, SX, UD, AND UE SERIES - POLYMER ALUMINUM CAPACITORS

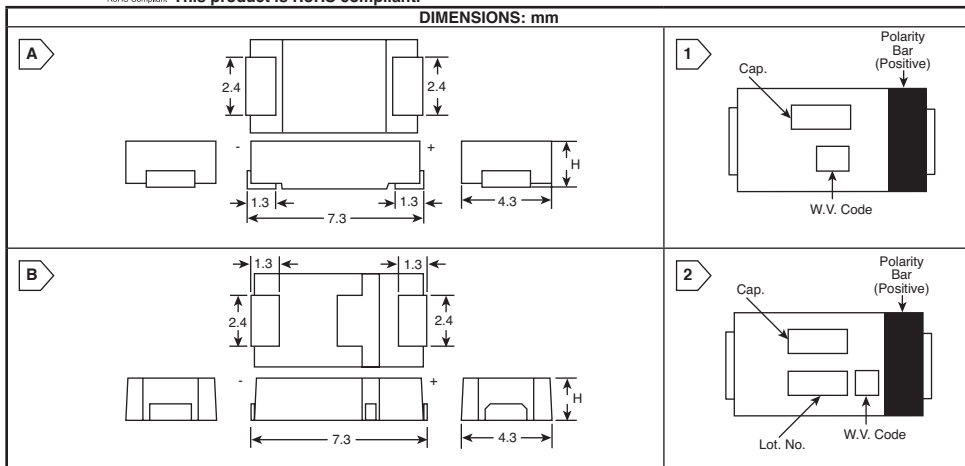
Common Features:

- SMD
- Organic
- Low ESR
- High ripple current
- Tolerance: 20%

Common Specifications:

- Operating temperature range: -40°C to +105°C
- Operating temperature range (HE Series): -40°C to +125°C

DIMENSIONS: mm		
Series	Fig.	H
CD	A1	1.8±0.1
CX	A1	1.9±0.2
GX	A2	1.9±0.2
HE	A1	4.2±0.1
LX	B2	1.9±0.2
SL	A1	1.8±0.1
SX	A1	1.9±0.2
UD	A1	2.8±0.2
UE	A1	4.2±0.1



CD Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Ripple Current (Ar.m.s)	ESR (mΩ)	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
2V									
667—EEF-CD0D101ER	100	2.5	0.018					3500	
667—EEF-CD0D221ER	220	2.5	0.018					3500	
2.5V									
667—EEF-CD0E101XE	100	2.7	0.015					3500	
667—EEF-CD0E121ER	120	2.5	0.018					3500	
4V									
667—EEF-CD0G101ER	100	2.5	0.018					3500	
667—EEF-CD0G560XE	56	2.7	0.015					3500	
667—EEF-CD0G680ER	68	2.5	0.018					3500	
667—EEF-CD0G680XE	68	2.7	0.015					3500	
667—EEF-CD0G820XE	82	2.7	0.015					3500	
6.3V									
667—EEF-CD0J100R	10	1.4	0.055					3500	
667—EEF-CD0J220ER	22	1.6	0.04					3500	
667—EEF-CD0J330ER	33	2.0	0.028					3500	
667—EEF-CD0J470ER	47	2.5	0.018					3500	
667—EEF-CD0J470XE	47	2.7	0.015					3500	
667—EEF-CD0J680ER	68	2.5	0.018					3500	
667—EEF-CD0J680XE	68	2.7	0.015					3500	
8V									
667—EEF-CD0K150ER	15	1.6	0.040					3500	
667—EEF-CD0K220ER	22	1.8	0.028					3500	
667—EEF-CD0K330ER	33	2.5	0.018					3500	
667—EEF-CD0K470ER	47	1.8	0.025					3500	
667—EEF-CD0K82ER	8.2	1.4	0.055					3500	
10V									
667—EEF-CD1A220ER	22	1.6	0.030					3500	
667—EEF-CD1A330ER	33	1.8	0.025					3500	
667—EEF-CD1A390ER	39	1.8	0.025					3500	

CX Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Ripple Current (Ar.m.s)	ESR (mΩ)	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
2V									
667—EEF-CX0D221R	220	2.7	0.015					3500	
667—EEF-CX0D331R	330	2.7	0.015					3500	
667—EEF-CX0D391R	390	2.7	0.015					3500	
2.5V									
667—EEF-CX0E221R	220	2.7	0.015					3500	
667—EEF-CX0E331R	330	2.7	0.015					3500	
667—EEF-CX0E391R	390	2.7	0.015					3500	
667—EEF-CX0E471R	470	2.7	15.0					3500	
4V									
667—EEF-CX0G151R	150	2.7	0.015					3500	
667—EEF-CX0G181R	180	2.7	0.015					3500	
667—EEF-CX0G181XR	180	3.0	0.012					3500	
667—EEF-CX0G221R	220	2.7	0.015					3500	
667—EEF-CX0G221XR	220	3.0	0.012					3500	
6.3V									
667—EEF-CX0J121R	120	2.7	0.015					3500	
667—EEF-CX0J151R	150	2.7	0.015					3500	
667—EEF-CX0J151XR	150	2.7	0.015					3500	
667—EEF-CX0J181R	180	2.7	15.0					3500	

GX Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Ripple Current (Ar.m.s)	ESR (mΩ)	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
2V									
667—EEF-GX0D331R	330	4.0	3.0					3500	
667—EEFGX0D471R	470	4.0	3.0					3500	

HE Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Ripple Current (Ar.m.s)	ESR (mΩ)	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
4V									
667—EEF-HE0G181R	180	3.0	0.012					2000	

LX Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Ripple Current (Ar.m.s)	ESR (mΩ)	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
2V									
667—EEF-LX0D331R	330	3.5	6.0					3500	
667—EEF-LX0D331R4	330	3.8	4.5					3500	
667—EEF-LX0D471R	470	3.5	6.0					3500	
667—EEF-LX0D471R4	470	3.8	4.5					3500	
667—EEF-LX0D561R	560	3.5	6.0					3500	
667—EEF-LX0D561R4	560	3.8	4.5					3500	
2.5V									
667—EEF-LX0E471R	470	3.5	6.0					3500	
667—EEF-LX0E471R4	470	3.8	4.5					3500	

SL Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Ripple Current (Ar.m.s)	ESR (mΩ)	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
2V									
667—EEF-SL0D151ER	150	3.0	0.009					3500	
667—EEF-SL0D181ER	180	3.0	0.009					3500	
2.5V									
667—EEF-SL0E121ER	120	3.0	0.009					3500	

SX Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Ripple Current (Ar.m.s)	ESR (mΩ)	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
2V									
667—EEF-SX0D221ER	220	3.0	0.009					3500	
667—EEF-SX0D271E4	270	3.0	0.009					3500	
667—EEF-SX0D271ER	270	3.0	0.009					3500	
667—EEF-SX0D271XE	270	3.5	0.006					3500	
667—EEF-SX0D331XE	330	3.5	0.006					3500	
667—EEF-SX0D331XR	330	3.5	0.006					3500	
667—EEF-SX0D391XE	390	3.5	0.006					3500	
667—EEF-SX0D471E4	470	3.8	0.0045					3500	
667—EEF-SX0D471ER	470	3.0	0.009					3500	
2.5V									
667—EEF-SX0E151ER	150	3.0	0.009					3500	
667—EEF-SX0E331ER	330	3.0	0.009					3500	
667—EEF-SX0E391ER	390	3.0	0.009					3500	
667—EEF-SX0E471ER	470	3	9.0					3500	
667—EEF-SX0E471XE	470	3.5	6.0					3500	
667—EEF-SX0E471E4	470	3.8	4.5					3500	
4V									
667—EEF-SX0G101ER	100	3.0	0.009					3500	
667—EEF-SX0G151ER	150	3.0	0.009					3500	
667—EEF-SX0G181ER	180	3.0	0.009					3500	
667—EEF-SX0G221ER	220	3.0	0.009					3500	
6.3V									
667—EEF-SX0J151ER	150	3.0	0.009					3500	

UD Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Ripple Current (Ar.m.s)	ESR (mΩ)	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
6.3V									
667—EEF-UD0J101R	100	3.3	0.012					2000	
8V									
667—EEF-UD0K101ER	100	2.5	0.018					2000	

UE Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Ripple Current (Ar.m.s)	ESR (mΩ)	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
2.5V									
667—EEF-UE0E471LR	470	3.7	0.007					2000	
4V									
667—EEF-UE0G331ER	330	3.3	0.012					2000	
667—EEF-UE0G331R	330	3.3	0.012					2000	
6.3V									
667—EEF-UE0J181XR	180	3.5	0.010					2000	
667—EEF-UE0J221ER	220	3.0	0.015					2000	
667—EEF-UE0J221LR	220	3.7	0.007					2000	
8V									
667—EEF-UE0K101R	100	3.3	0.012					2000	
667—EEF-UE0K151ER	150	3.0	0.015					2000	

PANASONIC Radial Aluminum Polymer Capacitors

 This page of product is RoHS compliant.



OS-CON™ RADIAL CAPACITORS

Specifications:
 • Tolerance: 20%
 • Operating Temperature Range: -55°C to +105°C

SEP Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Case Code	Value (µF)	ESR (mΩ)	Current		Dissipation Factor	Price Each			
						Ripple (mA)	Leakage (µA)		1	10	100	1000
4 Volt												
667-4SEP150M	4SEP150M	A	C6	150	40	1810	300	12				
667-4SEP560M	4SEP560M	A	E12	560	13	4520	448	15				
667-4SEP1200M	4SEP1200M	A	F13	1200	12	5440	960	18				
6.3 Volt												
667-6SEP82M	6SEP82M	A	O6	82	45	1700	258	12				
667-6SEP150M	6SEP150M	A	E7	150	35	2560	472	12				
667-6SEP330M	6SEP330M	A	F8	330	25	3700	416	12				
667-6SEP470M	6SEP470M	A	E12	470	15	4210	592	15				
667-6SEP820M	6SEP820M	A	F13	820	12	5440	775	15				
10 Volt												
667-10SEP56M	10SEP56M	A	C6	56	45	1700	280	12				
667-10SEP120M	10SEP120M	A	E7	120	35	2560	600	12				
667-10SEP270M	10SEP270M	A	F8	270	25	3700	540	12				
667-10SEP330M	10SEP330M	A	E12	330	17	3950	660	15				
667-10SEP560M	10SEP560M	A	F13	560	13	5230	840	15				
16 Volt												
667-16SEP39M	16SEP39M	A	O6	39	50	1620	312	10				
667-16SEP82M	16SEP82M	A	E7	82	40	2120	656	12				
667-16SEP150M	16SEP150M	A	F8	150	30	3020	480	12				
667-16SEP180M	16SEP180M	A	E12	180	20	3640	576	15				
667-16SEP330M	16SEP330M	A	F13	330	16	4720	792	15				
20 Volt												
667-20SEP22M	20SEP22M	A	C6	22	60	1450	220	10				
667-20SEP33M	20SEP33M	A	E7	33	45	1890	330	12				
667-20SEP47M	20SEP47M	A	E7	47	45	1890	470	12				
667-20SEP68M	20SEP68M	A	F8	68	40	2400	272	23				
667-20SEP100M	20SEP100M	A	E12	100	24	3320	400	15				
667-20SEP100MX	20SEP100MX	A	F8	100	35	2570	400	12				
667-20SEP150M	20SEP150M	A	F13	150	20	4320	600	15				
25 Volt												
667-25SEP68M	25SEP68M	A	C6	6.8	80	1200	170	10				
667-25SEP10M	25SEP10M	A	E7	10	60	1500	250	10				
667-25SEP22M	25SEP22M	A	F8	22	50	2000	275	10				
667-25SEP33M	25SEP33M	A	E12	33	30	2980	413	12				
667-25SEP56M	25SEP56M	A	F13	56	28	3800	700	12				

SEPC Series - Low Profile, Super Low ESR, Large Capacitance

For quantities greater than listed, call for quote.

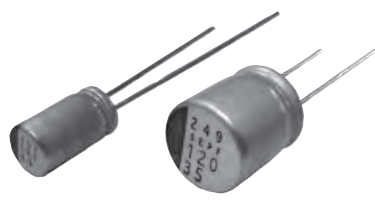
MOUSER STOCK NO.	Panasonic Part No.	Fig.	Case Code	Value (µF)	ESR (mΩ)	Current		Dissipation Factor	Price Each			
						Ripple (mA)	Leakage (µA)		1	10	100	1000
2.5 Volt												
667-2SEPC560MZ	2SEPC560MZ	B	B9	560	7	4180	500	10				
667-2SEPC560MW	2SEPC560MW	B	C9	560	7	5600	500	10				
667-2SEPC820MW	2SEPC820MW	B	C9	820	7	5600	500	10				
667-2SEPC820MX	2SEPC820MX	B	E9	820	7	6100	500	10				
667-2SEPC820MD	2SEPC820MD	B	E7	820	8	5300	500	10				
4 Volt												
667-4SEPC560MX	4SEPC560MX	B	E9	560	7	6100	500	10				
667-4SEPC560M	4SEPC560M	A	E13	560	7	6100	500	10				
667-4SEPC680M	4SEPC680M	A	E13	680	7	6100	544	10				
667-4SEPC820M	4SEPC820M	A	F13	820	7	6640	656	10				
6.3 Volt												
667-6SEPC220M	6SEPC220M	B	C55	220	18	2980	280	12				
667-6SEPC470MW	6SEPC470MW	B	C9	470	7	5600	592	10				
667-6SEPC470MX	6SEPC470MX	B	E9	470	8	5700	592	10				
667-6SEPC470M	6SEPC470M	A	E13	470	8	5700	592	10				
667-6SEPC560MX	6SEPC560MX	B	E9	560	7	6100	705	10				
667-6SEPC560MW	6SEPC560MW	B	C9	560	7	5600	705	10				
667-6SEPC680M	6SEPC680M	A	F13	680	7	6640	857	10				
667-6SEPC1500M	6SEPC1500M	A	F13	1500	10	5560	1890	10				
16 Volt												
667-16SEPC100MW	16SEPC100MW	B	C9	100	10	4680	500	10				
667-16SEPC100M	16SEPC100M	B	C6	100	24	2490	280	12				
667-16SEPC150MD	16SEPC150MD	B	E7	150	22	3220	500	12				
667-16SEPC180MX	16SEPC180MX	B	E9	180	10	5000	576	10				
667-16SEPC180M	16SEPC180M	A	E12	180	16	4360	576	10				
667-16SEPC220MD	16SEPC220MD	B	E7	220	13	4150	500	10				
667-16SEPC270MX	16SEPC270MX	B	E9	270	10	5000	864	10				
667-16SEPC270M	16SEPC270M	A	E12	270	11	5000	864	10				
667-16SEPC470M	16SEPC470M	A	F13	470	10	6100	1504	10				

SEPF Series - High Voltage, High Capacitance

For quantities greater than listed, call for quote.

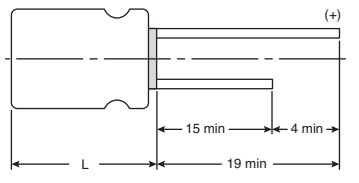
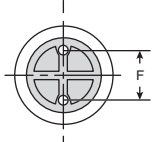
MOUSER STOCK NO.	Panasonic Part No.	Fig.	Case Code	Value (µF)	ESR (mΩ)	Current		Dissipation Factor	Price Each			
						Ripple (mA)	Leakage (µA)		1	10	100	1000
16 Volt												
667-16SEPF150M	16SEPF150M	B	C55	150	30	2590	480	12				
667-16SEPF270M	16SEPF270M	B	E7	270	22	3300	864	12				
667-16SEPF560M	16SEPF560M	B	E12	560	14	4950	1792	12				
667-16SEPF1000M	16SEPF1000M	B	F13	1000	12	5400	3200	12				
20 Volt												
667-20SEPF180M	20SEPF180M	B	E7	180	25	3200	720	12				
667-20SEPF390M	20SEPF390M	B	E12	390	14	4950	1560	12				
667-20SEPF560M	20SEPF560M	B	F13	560	12	5400	2240	12				
25 Volt												
667-25SEPF56M	25SEPF56M	B	C6	56	30	2800	280	12				
667-25SEPF82M	25SEPF82M	B	E7	82	28	3000	410	12				
667-25SEPF180M	25SEPF180M	B	E12	180	16	4650	900	12				
667-25SEPF330M	25SEPF330M	B	F13	330	14	5000	1650	12				
32 Volt												
667-32SEPF22M	32SEPF22M	B	C55	22	35	2400	140	12				
667-32SEPF68M	32SEPF68M	B	E7	68	25	3200	435	10				
35 Volt												
667-35SEPF22M	35SEPF22M	B	C6	22	35	2600	154	12				
667-35SEPF39M	35SEPF39M	B	E7	39	30	2800	273	12				
667-35SEPF82M	35SEPF82M	B	E12	82	20	4000	574	12				
667-35SEPF120M	35SEPF120M	B	F13	120	18	4400	840	12				

DIMENSIONS: in.

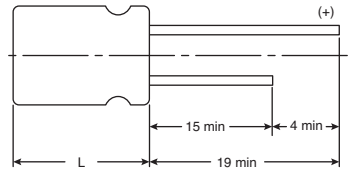
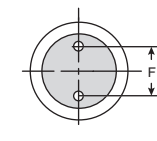


Size Code	Dimensions: mm		
	øD±0.5	L	F±0.5
B9	5.0	9.0	2.0
C55	6.3	5.5	2.5
C6	6.3	6.0	2.5
C9	6.3	9.0	2.5
E7	8.0	7.0	3.5
E9	8.0	9.0	3.5
F8	10.0	8.0	5.0
E12	8.0	12.0	3.5
E13	8.0	13.0	3.5
F13	10.0	13.0	5.0

A

B

PANASONIC SMD Aluminum Polymer Capacitors Panasonic



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OS-CON SMD CAPACITORS

* Tolerance 20% * Operating temperature range: -50°C to +105°C

SVP Series

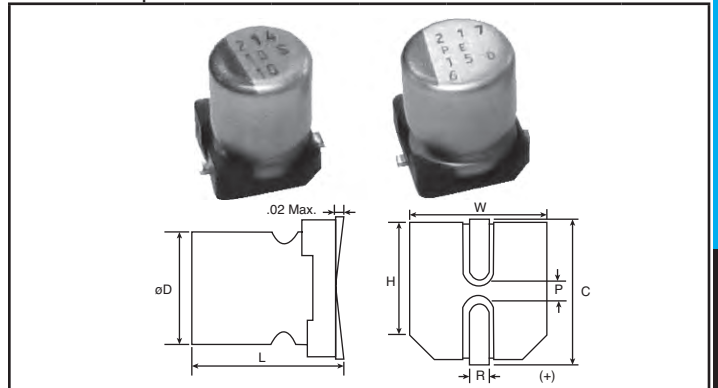
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
					1	100		
2.5 Volt								
667-2R5SVP220M	2R5SVP220M	220	23	C6			1000	
667-2R5SVP1500M	2R5SVP1500M	1500	12	F12			400	
4 Volt								
667-4SVP33M	4SVP33M	33	200	A5			2000	
667-4SVP68M	4SVP68M	68	60	B6			1500	
667-4SVP150MX	4SVP150MX	150	40	C6			1000	
667-4SVP330M	4SVP330M	330	35	E7			1000	
667-4SVP560M	4SVP560M	560	13	E12			400	
667-4SVP680M	4SVP680M	680	25	F8			500	
667-4SVP1200M	4SVP1200M	1200	12	F12			500	
6.3 Volt								
667-6SVP22M	6SVP22M	22	200	A5			2000	
667-6SVP47M	6SVP47M	47	70	B6			1500	
667-6SVP82M	6SVP82M	82	45	C6			1000	
667-6SVP100M	6SVP100M	100	40	C6			1000	
667-6SVP120MV	6SVP120MV	120	17	C6			1000	
667-6SVP220M	6SVP220M	220	25	F8			500	
667-6SVP220MX	6SVP220MX	220	35	E7			1000	
667-6SVP330M	6SVP330M	330	25	F8			500	
667-6SVP470M	6SVP470M	470	15	E12			400	
667-6SVP470MX	6SVP470MX	470	25	F8			500	
667-6SVP820M	6SVP820M	820	12	F12			400	
10 Volt								
667-10SVP4R7M	10SVP4R7M	4.7	240	A5			2000	
667-10SVP10M	10SVP10M	10	220	A5			2000	
667-10SVP15M	10SVP15M	15	200	A5			2000	
667-10SVP33M	10SVP33M	33	70	B6			1500	
667-10SVP47M	10SVP47M	47	50	C6			1000	
667-10SVP56M	10SVP56M	56	45	C6			1000	
667-10SVP120M	10SVP120M	120	35	E7			1000	
667-10SVP150M	10SVP150M	150	30	F8			500	
667-10SVP150MX	10SVP150MX	150	35	E7			1000	
667-10SVP150MX	10SVP270M	270	25	F8			500	
667-10SVP330M	10SVP330M	330	17	E12			400	
667-10SVP330MX	10SVP330MX	330	25	F8			500	
667-10SVP560M	10SVP560M	560	13	F12			400	
16 Volt								
667-16SVP3R3M	16SVP3R3M	3.3	260	A5			2000	
667-16SVP15M	16SVP15M	15	120	B6			1500	
667-16SVP22M	16SVP22M	22	90	B6			1500	
667-16SVP39M	16SVP39M	39	50	C6			1000	
667-16SVP56M	16SVP56M	56	45	E7			1000	
667-16SVP82M	16SVP82M	82	40	E7			1000	
667-16SVP100M	16SVP100M	100	35	F8			500	
667-16SVP150M	16SVP150M	150	30	F8			500	
667-16SVP180M	16SVP180M	180	20	E12			400	
667-16SVP180MX	16SVP180MX	180	30	F8			500	
667-16SVP330M	16SVP330M	330	16	F12			400	
20 Volt								
667-20SVP10M	20SVP10M	10	120	B6			1500	
667-20SVP22M	20SVP22M	22	60	C6			1000	
667-20SVP27M	20SVP27M	27	60	C6			1000	
667-20SVP33M	20SVP33M	33	45	E7			1000	
667-20SVP47M	20SVP47M	47	45	E7			1000	
667-20SVP56M	20SVP56M	56	40	F8			500	
667-20SVP68M	20SVP68M	68	40	F8			500	
667-20SVP100M	20SVP100M	100	24	E12			400	
667-20SVP150M	20SVP150M	150	20	F12			400	
25 Volt								
667-25SVP6R8M	25SVP6R8M	6.8	80	C6			1000	
667-25SVP10M	25SVP10M	10	60	E7			1000	
667-25SVP22M	25SVP22M	22	50	F8			500	
667-25SVP33M	25SVP33M	33	30	E12			400	
667-25SVP56M	25SVP56M	56	28	F12			400	

SVPC Series - High Capacitance, Super Low ESR

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
					1	100		
2.5 Volt								
667-2R5SVP330MY	2R5SVP330MY	330	10	B6			1500	
667-2R5SVP390M	2R5SVP390M	390	10	C6			1000	
667-2SVP1200M	2SVP1200M	1200	8	C10			500	
6.3 Volt								
667-6SVP150M	6SVP150M	150	12	B6			1500	
667-6SVP180M	6SVP180M	180	15	B6			1000	
667-6SVP220M	6SVP220M	220	10	C6			1000	
10 Volt								
667-10SVP220M	10SVP220M	220	20	C6			1000	
16 Volt								
667-16SVP180M	16SVP180M	180	11	C10			500	
667-16SVP470M	16SVP470M	470	10	F12			400	
SVPC Series - High Capacitance, Super Low ESR								
For quantities greater than listed, call for quote.								
2.5 Volt								
667-2R5SVP180MY	2R5SVP180MY	180	24	B6			1500	
667-2R5SVP180M	2R5SVP180M	180	30	B6			1500	
667-2R5SVP390MV	2R5SVP390MV	390	15	C6			1000	
667-2R5SVP390M	2R5SVP390M	390	25	C6			1000	
667-2R5SVP560M	2R5SVP560M	560	16	C6			1000	
667-2R5SVP820M	2R5SVP820M	820	9	E12			400	
667-2R5SVP1500M	2R5SVP1500M	1500	10	E12			400	
667-2R5SVP2700M	2R5SVP2700M	2700	12	F12			400	
4 Volt								
667-4SVP150MV	4SVP150MV	150	20	B6			1500	
667-4SVP150MY	4SVP150MY	150	23	B6			1500	
667-4SVP150M	4SVP150M	150	30	B6			1500	
667-4SVP330MV	4SVP330MV	330	15	C6			1000	
667-4SVP330MY	4SVP330MY	330	21	C6			1000	
667-4SVP330M	4SVP330M	330	27	C6			1000	
667-4SVP560MX	4SVP560MX	560	9	E12			400	
667-4SVP560M	4SVP560M	560	22	E7			1000	
667-4SVP1200M	4SVP1200M	1200	12	E12			400	
667-4SVP1500M	4SVP1500M	1200	12	E12			400	
6.3 Volt								
667-6SVP100MY	6SVP100MY	100	25	B6			1500	
667-6SVP100M	6SVP100M	100	30	B6			1500	
667-6SVP120MV	6SVP120MV	120	21	B6			1500	
667-6SVP220MV	6SVP220MV	220	15	C6			1000	
667-6SVP220M	6SVP220M	220	27	C6			1000	



Size Code	Dimensions: mm						
	øD±0.5	L+0.1/-0.4	W±0.2	H±0.2	C±0.2	R	P±0.2
A5	4.0	5.4	4.3	4.3	5.0	0.6 to 0.8	1.0
B6	5.0	5.9	5.3	5.3	6.0	0.6 to 0.8	1.4
C6	6.3	5.9	6.6	6.6	7.3	0.6 to 0.8	2.1
C10	6.3	9.9	6.6	6.6	7.3	0.6 to 0.8	2.1
E7	8.0	6.9	8.3	8.3	9.0	0.6 to 0.8	3.2
F8	10.0	7.9	10.3	10.3	11.0	0.6 to 0.8	4.6
E12	8.0	11.9	8.3	8.3	9.0	0.8 to 1.1	3.2
F12	10.0	12.6	10.3	10.3	11.0	0.8 to 1.1	4.6

SVPC Series - High Capacitance, Super Low ESR (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
					1	100		
6.3 Volt (Cont.)								
667-6SVP330M	6SVP330M	330	17	C6			1000	
667-6SVP390M	6SVP390M	390	22	E7			1000	
667-6SVP820M	6SVP820M	820	12	E12			400	
10 Volt								
667-10SVP68MV	10SVP68MV	68	23	B6			1500	
667-10SVP68M	10SVP68M	68	30	B6			1500	
667-10SVP120MV	10SVP120MV	120	22	C6			1000	
667-10SVP120M	10SVP120M	120	27	C6			1000	
667-10SVP270M	10SVP270M	270	22	E7			1000	
16 Volt								
667-16SVP39MV	16SVP39MV	39	27	B6			1500	
667-16SVP39M	16SVP39M	39	35	B6			1500	
667-16SVP68MV	16SVP68MV	68	25	C6			1000	
667-16SVP68M	16SVP68M	68	30	C6			1000	
667-16SVP100M	16SVP100M	100	24	C6			1000	
667-16SVP120M	16SVP120M	120	27	E7			1000	
667-16SVP150M	16SVP150M	150	22	E7			1000	
667-16SVP270M	16SVP270M	270	16	E12			400	

SVPE Series - High Capacitance, Super Low ESR

For quantities greater than listed, call for quote.

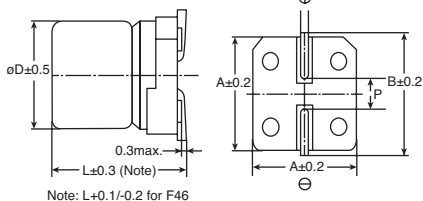
MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
					1	100		
2.5 Volt								
667-2R5SVP330MY	2R5SVP330MY	330	10	B6			1500	
667-2R5SVP390M	2R5SVP390M	390	10	C6			1000	
667-2SVP1200M	2SVP1200M	1200	8	C10			500	
6.3 Volt								
667-6SVP150M	6SVP150M	150	12	B6			1500	
667-6SVP180M	6SVP180M	180	15	B6			1000	

UNITED CHEMI-CON Decoupling & Polymer Aluminum Capacitors



UNITED CHEMI-CON PXX SERIES CONDUCTIVE POLYMER ALUMINUM SOLID CAPACITORS

RoHS Compliant This product is RoHS compliant.



Specifications:

- Super low ESR, impedance and high heat resistance have been obtained by using conductive polymer as electrolyte.
- Rated voltage range: 2.5 to 16VDC. Capacitance range: 100 to 580µF
- Suitable for DC-DC converters, voltage regulators and decoupling applications used to computer motherboards etc.

For quantities greater than listed, call for quote.

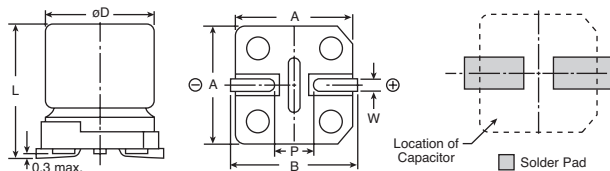
MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Case Dimensions: mm							Max ESR (MΩ) @ 20°C 100kHz	Rated Ripple (mArms) 100k-300kHz -55°C~+105°C	Price Each				
				øD	L	A	B	W	P	1			10	50	100		
16 Volts																	
661-APXK160A101MF61G	APXK160ARA101MF61G	100	F61	6.3	5.8	6.6	7.2	0.5-0.8	1.9	24	2490						
2.5 Volts																	
661-APXK2R5A561MF61G	APXK2R5ARA561MF61G	560	F61	6.3	5.8	6.6	7.2	0.5-0.8	1.9	16	3500						
4 Volts																	
661-APXK4R0A391MF61G	APXK4R0ARA391MF61G	390	F61	6.3	5.8	6.6	7.2	0.5-0.8	1.9	17	3390						
6.3 Volts																	
661-APXK6R3A151MF46G	APXK6R3ARA151MF46G	150	F46	6.3	4.5	6.6	7.2	0.5-0.8	1.9	19	2780						
661-APXK6R3A181ME61G	APXK6R3ARA181ME61G	180	E61	5	5.8	5.3	5.9	0.5-0.8	1.4	17	3390						
661-APXK6R3A221MF46G	APXK6R3ARA221MF46G	220	F46	6.3	4.5	6.6	7.2	0.5-0.8	1.9	18	3200						
661-APXK6R3A331MF61G	APXK6R3ARA331MF61G	330	F61	6.3	5.8	6.6	7.2	0.5-0.8	1.9	17	3390						

UNITED CHEMI-CON UCC PXA NPCAP™ 105°C SMD SOLID POLYMER ALUMINUM SERIES

The PXA series are suitable for DC-DC converters, voltage regulators, and decoupling applications used in computer equipment.

Specifications:

- Operating temperature: -55°C to +105°C
- Voltage range: 2.5VDC to 25VDC
- Capacitance range: 10µF to 1200µF
- Capacitance tolerance: ±20%
- Rated lifetime: 2000 hours @ 105°C
- High heat resistance to reflow soldering
- Solid polymer electrolyte
- Ultra low ESR
- Lead free design
- Solvent proof



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Case Dimensions: mm							Max ESR (MΩ) @ 20°C 100kHz	Rated Ripple (mArms) 100k-300kHz -55°C~+105°C	Price Each				
				øD	L	A	B	W	P	1			10	50	100		
2.5 Volts																	
661-PXA2.5VC221MF	APXA2R5ARA221MF55G	220	F55	6.3	5.2	6.6	7.2	0.5-0.8	1.9	25	2500						
661-PXA2.5VC102M	APXA2R5ARA102MJ80G	1000	J80	10	7.7	10.3	11	0.7-1.1	4.5	19	4240						

For quantities greater than listed, call for quote.

4 Volts																	
661-PXA4VC101MF	APXA4R0ARA101MF55G	100	F55	6.3	5.2	6.6	7.2	0.5-0.8	1.9	26	2450						
661-PXA4VC221M	APXA4R0ARA221MH70G	220	H70	8	6.7	8.3	9	0.7-1.1	3.1	25	3020						
661-PXA4VC331M	APXA4R0ARA331MH70G	330	H70	8	6.7	8.3	9	0.7-1.1	3.1	25	3020						
661-PXA4VC471M	APXA4R0ARA471MJ80G	470	J80	10	7.7	10.3	11	0.7-1.1	4.5	20	4130						
661-PXA4VC681M	APXA4R0ARA681MJ80G	680	J80	10	7.7	10.3	11	0.7-1.1	4.5	20	4130						
661-PXA4VC122M	APXA4R0ARA122MJC0G	1200	JC0	10	12.2	10.3	11	0.7-1.1	4.5	10	5500						

For quantities greater than listed, call for quote.

6.3 Volts																	
661-PXA6.3VC68RM	APXA6R3ARA680MF60G	68	F60	6.3	5.7	6.6	7.2	0.5-0.8	1.9	27	2400						
661-PXA6.3VC82RM	APXA6R3ARA820MF60G	82	F60	6.3	5.7	6.6	7.2	0.5-0.8	1.9	27	2400						
661-PXA6.3VC101M	APXA6R3ARA101MF60G	100	F60	6.3	5.7	6.6	7.2	0.5-0.8	1.9	27	2400						
661-PXA6.3VC121M	APXA6R3ARA121MF60G	120	F60	6.3	5.7	6.6	7.2	0.5-0.8	1.9	27	2400						
661-PXA6.3VC151M	APXA6R3ARA151MH70G	150	H70	8	6.7	8.3	9	0.7-1.1	3.1	25	3020						
661-PXA6.3VC221M	APXA6R3ARA221MH70G	220	H70	8	6.7	8.3	9	0.7-1.1	3.1	25	3020						
661-PXA6.3VC331M	APXA6R3ARA331MJ80G	330	J80	10	7.7	10.3	11	0.7-1.1	4.5	20	4130						
661-PXA6.3VC391M	APXA6R3ARA391MHC0G	390	HCO	8	12	8.3	9	0.7-1.1	3.1	12	4770						
661-PXA6.3VC471M	APXA6R3ARA471MJ80G	470	J80	10	7.7	10.3	11	0.7-1.1	4.5	20	4130						
661-PXA6.3VC821M	APXA6R3ARA821MJC0G	820	JC0	10	12.2	10.3	11	0.7-1.1	4.5	10	5500						

For quantities greater than listed, call for quote.

10 Volts																	
661-PXA10VC47RM	APXA100ARA470MF60G	47	F60	6.3	5.7	6.6	7.2	0.5-0.8	1.9	31	2250						
661-PXA10VC56RM	APXA100ARA560MF55G	56	F55	6.3	5.2	6.6	7.2	0.5-0.8	1.9	31	2250						
661-PXA10VC121M	APXA100ARA121MH70G	120	H70	8	6.7	8.3	9	0.7-1.1	3.1	27	2800						
661-PXA10VC151M	APXA100ARA151MH70G	150	H70	8	6.7	8.3	9	0.7-1.1	3.1	27	2800						
661-PXA10VC271MH	APXA100ARA271MHC0G	270	HCO	8	12	8.3	9	0.7-1.1	3.1	14	4420						
661-PXA10VC271M	APXA100ARA271MJ80G	270	J80	10	7.7	10.3	11	0.7-1.1	4.5	24	3770						
661-PXA10VC331MH	APXA100ARA331MHC0G	330	HCO	8	12	8.3	9	0.7-1.1	3.1	12	4420						
661-PXA10VC331M	APXA100ARA331MJ80G	330	J80	10	7.7	10.3	11	0.7-1.1	4.5	24	3770						
661-PXA10VC471M	APXA100ARA471MJC0G	470	JC0	10	12.2	10.3	11	0.7-1.1	4.5	12	5300						
661-PXA10VC561M	APXA100ARA561MJC0G	560	JC0	10	12.2	10.3	11	0.7-1.1	4.5	12	5300						

For quantities greater than listed, call for quote.

16 Volts																	
661-PXA16VC33RM	APXA160ARA330MF60G	33	F60	6.3	5.7	6.6	7.2	0.5-0.8	1.9	37	2050						
661-PXA16VC39RM	APXA160ARA390MF60G	39	F60	6.3	5.7	6.6	7.2	0.5-0.8	1.9	37	2050						
661-PXA16VC82RM	APXA160ARA820MH70G	82	H70	8	6.7	8.3	9	0.7-1.1	3.1	30	2700						
661-PXA16VC151M	APXA160ARA151MJ80G	150	J80	10	7.7	10.3	11	0.7-1.1	4.5	26	3430						
661-PXA16VC181M	APXA160ARA181MJ80G	180	J80	10	7.7	10.3	11	0.7-1.1	4.5	26	3430						
661-PXA16VC221M	APXA160ARA221MJC0G	220	JC0	10	12.2	10.3	11	0.7-1.1	4.5	14	5050						
661-PXA16VC331M	APXA160ARA331MJC0G	330	JC0	10	12.2	10.3	11	0.7-1.1	4.5	14	5050						

For quantities greater than listed, call for quote.

20 Volts																	
661-PXA20VC22RMF	APXA200ARA220MF55G	22	F55	6.3	5.2	6.6	7.2	0.5-0.8	1.9	50	1650						
661-PXA20VC22RM	APXA200ARA220MF60G	22	F60	6.3	5.7	6.6	7.2	0.5-0.8	1.9	50	1650						
661-PXA20VC39RM	APXA200ARA390MH70G	39	H70	8	6.7	8.3	9	0.7-1.1	3.1	45	2000						
661-PXA20VC47RM	APXA200ARA470MH70G	47	H70	8	6.7	8.3	9	0.7-1.1	3.1	45	2000						
661-PXA20VC82RM	APXA200ARA820MJ80G	82	J80	10	7.7	10.3	11	0.7-1.1	4.5	40	2500						

For quantities greater than listed, call for quote.

25 Volts																	
661-PXA25VC10RM	APXA250ARA100MF60G	10	F60	6.3	5.7	6.6	7.2	0.5-0.8	1.9	65	1500						
661-PXA25VC22RM	APXA250ARA220MH70G	22	H70	8	6.7	8.3	9	0.7-1.1	3.1	50	1800						
661-PXA25VC39RM	APXA250ARA390MJ80G	39	J80	10	7.7	10.3	11	0.7-1.1	4.5	45	2100						

UNITED CHEMI-CON NPCAP™ Polymer Aluminum Capacitors



RoHS Compliant This product is RoHS compliant.

UCC SMD SOLID POLYMER ALUMINUM CAPACITORS

PXH NPCAP™ Series, 125°C

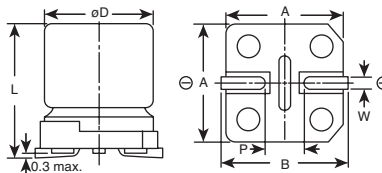
The PXH series are suitable for DC-DC converters, voltage regulators and decoupling applications.

Specifications:

- Operating temperature: -55°C to +125°C
- Voltage range: 2.5VDC to 20VDC
- Capacitance range: 22µF to 1000µF
- Capacitance tolerance: ±20%
- Rated lifetime: 1000 hours @ 125°C

Features:

- Solid polymer electrolyte
- Ultra low ESR
- Lead free design
- Solvent proof
- High heat resistance to reflow soldering



Case Dimensions: mm						
Case Code	øD	L	A	B	W	P
F60	ø6.3	5.7	6.6	7.2	0.5-0.8	1.9
H70	ø8	6.7	8.3	9.0	0.7-1.1	3.1
J80	ø10	7.7	10.3	11.0	0.7-1.1	4.5
E60	ø5	5.7	5.3	5.9	0.5-0.8	1.4
F60	ø6.3	5.7	6.6	7.2	0.5-0.8	1.9
H70	ø8	6.7	8.3	9.0	0.7-1.1	3.1

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Max ESR (MΩ)@20°C 100k-300kHz	Price Each		
					1	10	50
2.5 Volts							
661-PXH2.5V221M	APXH2R5ARA221MF60G	220	F60	35			
661-PXH2.5V561M	APXH2R5ARA561MH70G	560	H70	30			
4.0 Volts							
661-PXH4V151M	APXH4R0ARA151MF60G	150	F60	35			
661-PXH4V221M	APXH4R0ARA221MH70G	220	H70	30			
6.3 Volts							
661-PXH6.3V820M	APXH6R3ARA820MF60G	82	F60	40			
661-PXH6.3V101M	APXH6R3ARA101MF60G	100	F60	40			
661-PXH6.3V151M	APXH6R3ARA151MH70G	150	H70	30			
661-PXH6.3V221M	APXH6R3ARA221MH70G	220	H70	30			
661-PXH6.3V471M	APXH6R3ARA471MJ80G	470	J80	25			
10 Volts							
661-PXH10V121M	APXH100ARA121MH70G	120	H70	35			
661-PXH10V151M	APXH100ARA151MH70G	150	H70	35			
661-PXH10V331M	APXH100ARA331MJ80G	330	J80	30			
16 Volts							
661-PXH16V390M	APXH160ARA390MF60G	39	F60	50			
661-PXH16V820M	APXH160ARA820MH70G	82	H70	40			
661-PXH16V151M	APXH160ARA151MJ80G	150	J80	35			
661-PXH16V181M	APXH160ARA181MJ80G	180	J80	35			
20 Volts							
661-PXH20V220M	APXH200ARA220MF60G	22	F60	60			
661-PXH20V470M	APXH200ARA470MH70G	47	H70	45			
661-PXH20V820M	APXH200ARA820MJ80G	82	J80	45			

PXC NPCAP™ Series, 105°C, Low ESR

Specifications:

- Operating temperature: -55°C to +105°C
- Voltage range: 2.5VDC to 16VDC
- Capacitance range: 27µF to 470µF

Features:

- Solvent proof
- Cost effective polymer tantalum replacement
- 20 to 30% lower ESR than PXA series
- Designed for two reflow soldering cycles

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Max ESR (MΩ)@20°C 100k-300kHz	Price Each		
					1	10	50
2.5 Volt							
661-PXC2.5VC181M	APXC2R5ARA181ME60G	180	E60	30			
4 Volt							
661-PXC4VC151M	APXC4R0ARA151ME60G	150	E60	30			
661-PXC4VC221M	APXC4R0ARA221MF60G	220	F60	21			
661-PXC4VC331M	APXC4R0ARA331MH70G	330	H70	18			
6.3 Volt							
661-PXC6.3VC101M	APXC6R3ARA101ME60G	100	E60	35			
661-PXC6.3VC181M	APXC6R3ARA181MF60G	180	F60	22			
661-PXC6.3VC221M	APXC6R3ARA221MH70G	220	H70	18			
10 Volt							
661-PXC10VC56RM	APXC100ARA560ME60G	56	E60	40			
661-PXC10VC151M	APXC100ARA151MH70G	150	H70	20			
16 Volt							
661-PXC16VC27RM	APXC160ARA270ME60G	27	E60	45			
661-PXC16VC39RM	APXC160ARA390MF60G	39	F60	25			
661-PXC16VC82RM	APXC160ARA820MH70G	82	H70	25			

UCC PSA NPCAP™ 105°C RADIAL SOLID POLYMER ALUMINUM SERIES, LOW ESR

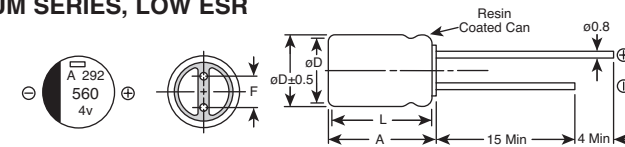
The PSA series uses a solid functional polymer as the electrolyte. This polymer technology insures more stable performance and higher reliability over the expected lifetime than normal liquid electrolyte capacitors. PSA capacitors are constructed of lead-free materials that can withstand high temperature lead-free soldering. This series are suitable for use in DC-DC converters, voltage regulators, and decoupling applications and are recommended replacements for OS-CON™ capacitors.

Specifications:

- Temperature range: -55°C to +105°C
- Voltage range: 2.5VDC to 10VDC
- Capacitance range: 27µF to 470µF

Features:

- Capacitance tolerance: ± 20%
- Rated lifetime: 2000 hours



MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Dimensions: mm				Max ESR (MΩ)@20°C 100k-300kHz	Ripple (mArms) 105°C/100kHz	Price Each				
			øD	L	A	F±0.5			1	50	100	500	1000
2.5 Volt													
661-PSA2.5VB680M	APSA2R5ELL681MHB5D	680	8	11.5	11.5+1.5	3.5	7	5580					
661-PSA2.5VB820M	APSA2R5ELL821MHB5S	820	8	11.5	11.5+1.5	3.5	7	5580					
4 Volt													
661-PSA4VB560M	APSA4R0ELL561MHB5D	560	8	11.5	11.5+1.5	3.5	7	5580					
6.3 Volt													
661-PSA6.3VB220M	APSA6R3ELL221MFA5G	220	6.3	10.5	10.5+1.0	2.5	20	3160					
661-PSA6.3VB330M	APSA6R3ELL331MFA5G	330	6.3	10.5	10.5+1.0	2.5	28	3190					
661-PSA6.3VB390M	APSA6R3ELL391MHB5D	390	8	11.5	11.5+1.5	3.5	8	5080					
661-PSA6.3VB680M	APSA6R3ELL681MHB5D	680	10	11.5	11.5+1.5	5	7	5860					
10 Volt													
661-PSA10VB47M	APSA100ELL470MFA5G	47	6.3	10.5	10.5+1.0	2.5	25	2820					
661-PSA10VB68M	APSA100ELL680MFA5G	68	6.3	10.5	10.5+1.0	2.5	25	2820					
661-PSA10VB100M	APSA100ELL101MFA5G	100	6.3	10.5	10.5+1.0	2.5	25	2820					
661-PSA10VB270M	APSA100ELL271MHB5S	270	8	11.5	11.5+1.5	3.5	9	4710					
661-PSA10VB470M	APSA100ELL471MJB5S	470	10	11.5	11.5+1.5	5	8	5650					

UCC PSF NPCAP™ 105°C RADIAL SOLID POLYMER ALUMINUM SERIES LOW ESR

Specifications:

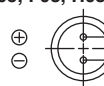
- Temperature range: -55°C to +105°C
- Voltage range: 2VDC to 16VDC

Features:

- Capacitance tolerance: ± 20%
- Rated lifetime: 5000 hours

F05, F08, H08

HB5



MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Dimensions: mm					Max ESR (MΩ)@20°C 100k-300kHz	Ripple (mArms) 105°C/100kHz	Price Each				
			øD	L	A	ød	F±0.5			1	10	50	500	1000
2 Volt														
661-APSF2R0E102MF08S	APSF2R0ELL102MF08S	1000	6.3	8	8±1.0	0.6	2.5	5	5900					
2.5 Volt														
661-APSF2R5E331MF08S	APSF2R5ELL331MF08S	330	6.3	8	8±1.0	0.6	2.5	5	5900					
661-APSF2R5E471MF08S	APSF2R5ELL471MF08S	470	6.3	8	8±1.0	0.6	2.5	5	5900					
661-APSF2R5E561MF08S	APSF2R5ELL561MF08S	560	6.3	8	8±1.0	0.6	2.5	5	5900					
661-APSF2R5E821MF08S	APSF2R5ELL821MF08S	820	6.3	8	8±1.0	0.6	2.5	5	5900					
16 Volt														
661-APSF160E101MF05S	APSF160ELL101MF05S	100	6.3	5	5±1.0	0.45	2.5	24	2490					
661-APSF160E271MH08S	APSF160ELL271MH08S	270	8	8	8±1.0	0.6	3.5	10	5000					
661-APSF160E331MH08S	APSF160ELL331MH08S	330	8	8	8±1.0	0.6	3.5	13	4700					
661-APSF160E471MHB5S	APSF160ELL471MHB5S	470	8	11.5	11.5±1.5	0.6	5	11	5400					

CORNELL DUBILIER Aluminum Electrolytic Capacitors



SLPX SERIES 85°C



This product is RoHS compliant.

Type SLPX can operate at 85°C at rated voltage for 3000 hours.
Best value package compared to the other snap-in series.

Features:

- 3000 h ripple load life at rated voltage
- Small case size with high capacitance
- Best for switching power supplies
- 22mm to 35mm diameter, 10mm lead spacing
- High ripple current

Specifications:

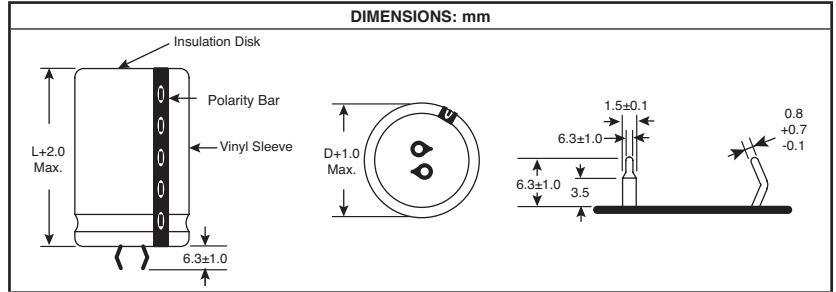
- Operating temperature: -40°C to 85°C (10VDC-450VDC)
- Voltage range: 10VDC to 450VDC
- Capacitance range: 220µF to 82,000µF
- Capacitance tolerance: ±20%
- Leakage current: ≤3 µCV (µA)



Aluminum Caps, Can

Ambient Temperature/Multiplier			
20 to 45°C	65°C	85°C	105°C
2.00	1.89	1.52	1.00

Voltage	Frequency/Multiplier			
	60Hz	120Hz	1kHz	10 kHz & Up
10-100Vdc	0.90	1.00	1.15	1.25
160-450Vdc	0.80	1.00	1.25	1.47



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	VDC	Value (µF)	Ripple(A) @ 120Hz@85°C	Case D x L (mm)	Price Each			
					1	50	100	500
598-SLPX103M016A3P3	16	10000	2.89	22 x 30				
598-SLPX183M016E3P3	16	18000	3.88	30 x 30				
598-SLPX103M025A5P3	25	10000	3.31	22 x 35				
598-SLPX153M025A9P3	25	15000	4.21	22 x 50				
598-SLPX153M025C7P3	25	15000	4.1	25 x 40				
598-SLPX223M025C9P3	25	22000	5.29	25 x 50				
598-SLPX223M025E7P3	25	22000	5.33	30 x 40				
598-SLPX333M025E9P3	25	33000	5.29	30 x 50				
598-SLPX333M025H4P3	25	33000	6.75	35 x 45				
598-SLPX682M025A3P3	25	6800	2.56	22 x 30				
598-SLPX103M035C7P3	35	10000	3.65	25 x 40				
598-SLPX103M035E3P3	35	10000	3.61	30 x 30				
598-SLPX153M035C9P3	35	15000	4.77	25 x 50				
598-SLPX153M035E7P3	35	15000	4.8	30 x 40				
598-SLPX223M035H4P3	35	22000	6.38	35 x 45				
598-SLPX472M035A3P3	35	4700	2.46	22 x 30				
598-SLPX472M035C1P3	35	4700	2.43	25 x 25				
598-SLPX682M035A7P3	35	6800	2.97	22 x 40				
598-SLPX682M035C3P3	35	6800	2.89	25 x 30				
598-SLPX682M035E1P3	35	6800	3.09	30 x 25				
598-SLPX103M050E7P3	50	10000	5.08	30 x 40				
598-SLPX153M050H4P3	50	15000	6.56	35 x 45				
598-SLPX183M050H9P3	50	18000	7.14	35 x 50				
598-SLPX222M050A1P3	50	2200	1.93	22 x 25				
598-SLPX223M050H9P3	50	22000	7.89	35 x 50				
598-SLPX332M050A3P3	50	3300	2.41	22 x 30				
598-SLPX332M050C1P3	50	3300	2.38	25 x 25				
598-SLPX472M050A7P3	50	4700	3.02	22 x 40				
598-SLPX472M050C3P3	50	4700	3.07	25 x 30				
598-SLPX472M050E1P3	50	4700	3.01	30 x 25				
598-SLPX562M050A7P3	50	5600	3.26	22 x 40				
598-SLPX682M050A9P3	50	6800	3.94	22 x 50				
598-SLPX682M050C7P3	50	6800	3.87	25 x 40				
598-SLPX682M050E5P3	50	6800	3.93	30 x 35				
598-SLPX103M063E9P3	63	10000	5.78	30 x 50				
598-SLPX103M063H7P3	63	10000	5.75	35 x 40				
598-SLPX222M063A3P3	63	2200	2.35	22 x 30				
598-SLPX472M063E3P3	63	4700	3.54	30 x 30				
598-SLPX682M063E7P3	63	6800	4.55	30 x 40				
598-SLPX682M063H3P3	63	6800	4.44	35 x 30				
598-SLPX822M063H5P3	63	8200	5.05	35 x 35				
598-SLPX222M080C3P3	80	2200	2.53	25 x 30				
598-SLPX332M080A9P3	80	3300	3.23	22 x 50				
598-SLPX332M080C7P3	80	3300	3.29	25 x 40				
598-SLPX472M080H3P3	80	4700	4.12	35 x 30				
598-SLPX682M080E9P3	80	6800	5.27	30 x 50				
598-SLPX102M100A3P3	100	1000	2.02	22 x 30				
598-SLPX222M100C7P3	100	2200	3.21	25 x 40				
598-SLPX222M100E3P3	100	2200	3.17	30 x 30				
598-SLPX332M100E7P3	100	3300	4.18	30 x 40				
598-SLPX472M100H7P3	100	4700	5.23	35 x 40				
598-SLPX682M100H9P3	100	6800	6.01	35 x 50				
598-SLPX102M160A9P3	160	1000	3.02	22 x 50				
598-SLPX152M160E7P3	160	1500	3.96	30 x 40				
598-SLPX222M160H7P3	160	2200	4.96	35 x 40				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	VDC	Value (µF)	Ripple(A) @ 120Hz@85°C	Case D x L (mm)	Price Each			
					1	50	100	500
598-SLPX561M160A3P3	160	560	2.15	22 x 30				
598-SLPX681M160C3P3	160	680	2.33	25 x 30				
598-SLPX272M180H9P3	180	2700	5.3	35 x 50				
598-SLPX102M200C4P3	200	1000	3.28	25 x 45				
598-SLPX102M200E5P3	200	1000	3.15	30 x 35				
598-SLPX102M200H3P3	200	1000	3.25	35 x 30				
598-SLPX122M200E7P3	200	1200	3.61	30 x 40				
598-SLPX152M200E4P3	200	1500	4.13	30 x 45				
598-SLPX152M200H7P3	200	1500	4.06	35 x 40				
598-SLPX222M200H9P3	200	2200	5.25	35 x 50				
598-SLPX271M200A1P3	200	270	1.37	22 x 25				
598-SLPX331M200A1P3	200	330	1.51	22 x 25				
598-SLPX331M200A3P3	200	330	1.63	22 x 30				
598-SLPX471M200A3P3	200	470	1.97	22 x 30				
598-SLPX561M200A7P3	200	560	2.18	22 x 40				
598-SLPX561M200E1P3	200	560	2.15	30 x 25				
598-SLPX681M200A4P3	200	680	2.48	22 x 45				
598-SLPX821M200A9P3	200	820	2.81	22 x 50				
598-SLPX821M200C7P3	200	820	2.79	25 x 40				
598-SLPX102M250E4P3	250	1000	3.56	30 x 45				
598-SLPX102M250E5P3	250	1000	3.2	30 x 35				
598-SLPX102M250H5P3	250	1000	3.48	35 x 35				
598-SLPX221M250A1P3	250	220	1.24	22 x 25				
598-SLPX271M250A3P3	250	270	1.5	22 x 30				
598-SLPX331M250A3P3	250	330	1.66	22 x 30				
598-SLPX391M250A5P3	250	390	1.88	22 x 35				
598-SLPX471M250A7P3	250	470	2.15	22 x 40				
598-SLPX471M250E1P3	250	470	2.04	30 x 25				
598-SLPX561M250C5P3	250	560	2.35	25 x 35				
598-SLPX681M250E5P3	250	680	2.71	30 x 35				
598-SLPX821M250E5P3	250	820	2.98	30 x 35				
598-SLPX821M250H3P3	250	820	2.96	35 x 30				
598-SLPX101M400A3P3	400	100	0.99	22 x 30				
598-SLPX221M400C3P3	400	220	1.54	25 x 30				
598-SLPX221M400E3P3	400	220	1.66	30 x 30				
598-SLPX331M400E3P3	400	330	2.05	30 x 30				
598-SLPX471M400E4P3	400	470	2.51	30 x 45				
598-SLPX471M400H7P3	400	470	2.54	35 x 40				
598-SLPX561M400H9P3	400	560	3.13	35 x 50				
598-SLPX561M400H7P3	400	560	2.85	35 x 40				
598-SLPX821M400H9P3	400	820	3.4	35 x 50				
598-SLPX680M450A1P3	450	68	0.71	22 x 25				
598-SLPX121M450A3P3	450	120	1.07	22 x 30				
598-SLPX121M450C3P3	450	120	1.09	25 x 30				
598-SLPX181M450E1P3	450	180	1.45	30 x 25				
598-SLPX221M450C7P3	450	220	1.59	25 x 40				
598-SLPX221M450H3P3	450	220	1.66	35 x 30				
598-SLPX271M450E3P3	450	270	1.78	30 x 30				
598-SLPX331M450H5P3	450	330	2.15	35 x 35				
598-SLPX331M450E7P3	450	330	2.12	30 x 40				
598-SLPX471M450H9P3	450	470	2.8	35 x 50				
598-SLPX471M450H4P3	450	470	2.68	35 x 45				

CORNELL DUBILIER Aluminum Electrolytic Capacitors



RoHS Compliant. This product is RoHS compliant.

SLP SERIES 105°C BEST VALUE SNAP-IN

Type SLP can operate at 105°C at rated voltage for 3000 hours. Best value package compared to the other snap-in series.

Features:

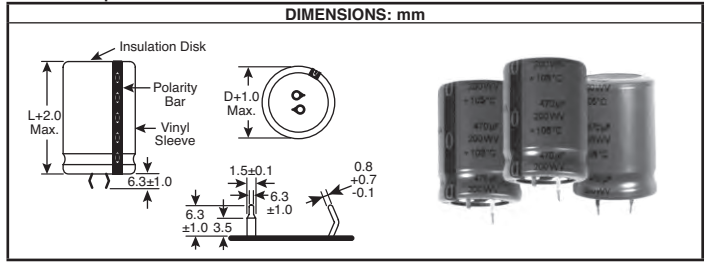
- 3000 h ripple load life at rated voltage
- Small case size with high capacitance
- Best for switching power supplies
- 22mm to 35mm diameter, 10mm lead spacing
- High ripple current

Specifications:

- Operating temperature: -40°C to 105°C (10VDC~250VDC)
-25°C to 105°C (160VDC~450VDC)
- Voltage range: 10VDC to 450VDC
- Capacitance tolerance: $\pm 20\%$
- Leakage current: $\leq 3 \sqrt{CV} \mu A$
- Capacitance range: 180 μF to 56,000 μF

Ambient Temperature/Multiplier			
20 to 45°C	65°C	85°C	105°C
2.00	1.89	1.52	1.00

Voltage	Frequency/Multiplier			
	60Hz	120Hz	1kHz	10 kHz & Up
10-100Vdc	0.90	1.00	1.15	1.25
160-450Vdc	0.80	1.00	1.25	1.47



MOUSER STOCK NO.	VDC	Value (μF)	Ripple(A) @ 120Hz@85°C	Case Size D x L (mm)	Price Each			
					1	10	50	100
					For quantities greater than listed, call for quote.			
598-SLP153M025C4P3	25	15000	3.6	25 x 45				
598-SLP103M035C7P3	35	10000	3.04	25 x 40				
598-SLP223M035H9P3	35	22000	5.48	35 x 50				
598-SLP472M035C1P3	35	4700	2.2	25 x 25				
598-SLP332M050C3P3	50	3300	2	25 x 30				
598-SLP472M050C5P3	50	4700	2.43	25 x 35				
598-SLP103M063H9P3	63	10000	5.11	35 x 50				
598-SLP222M063C3P3	63	2200	2	25 x 30				
598-SLP332M063E3P3	63	3300	2.5	30 x 30				
598-SLP682M063H7P3	63	6800	3.84	35 x 40				
598-SLP102M100C1P3	100	1000	1.45	25 x 25				
598-SLP222M100C4P3	100	2200	2.53	25 x 45				
598-SLP472M100H4P3	100	4700	3.8	35 x 45				
598-SLP681M100A1P3	100	680	1.09	22 x 25				
598-SLP152M160E4P3	160	1500	2.84	30 x 45				
598-SLP152M160H5P3	160	1500	2.84	35 x 35				
598-SLP331M160A1P3	160	330	1.2	22 x 25				
598-SLP391M160A3P3	160	390	1.3	22 x 30				
598-SLP471M160A3P3	160	470	1.55	22 x 30				
598-SLP561M160A5P3	160	560	1.67	22 x 35				
598-SLP681M160A7P3	160	680	1.82	22 x 40				
598-SLP821M160E3P3	160	820	2.04	30 x 30				
598-SLP122M180E7P3	180	1200	2.55	30 x 40				
598-SLP152M180E4P3	180	1500	2.9	30 x 45				
598-SLP182M180H4P3	180	1800	3.3	35 x 45				
598-SLP222M180H9P3	180	2200	3.65	35 x 50				
598-SLP271M180A1P3	180	270	1	22 x 25				
598-SLP391M180A3P3	180	390	1.35	22 x 30				
598-SLP471M180A5P3	180	470	1.5	22 x 35				
598-SLP471M180C3P3	180	470	1.5	25 x 30				
598-SLP561M180E1P3	180	560	1.67	30 x 25				
598-SLP821M180A9P3	180	820	2.04	22 x 50				
598-SLP821M180C7P3	180	820	2.04	25 x 40				
598-SLP821M180E3P3	180	820	2.04	30 x 30				
598-SLP102M200C9P3	200	1000	2.42	25 x 50				
598-SLP102M200E7P3	200	1000	2.3	30 x 40				
598-SLP102M200H5P3	200	1000	2.3	35 x 35				
598-SLP122M200E4P3	200	1200	2.65	30 x 45				
598-SLP122M200H3P3	200	1200	2.49	35 x 30				
598-SLP122M200H5P3	200	1200	2.65	35 x 35				
598-SLP182M200H4P3	200	1800	3.48	35 x 45				
598-SLP182M200H7P3	200	1800	3.31	35 x 40				
598-SLP221M200A1P3	200	220	0.99	22 x 25				
598-SLP271M200A1P3	200	270	1.1	22 x 25				
598-SLP331M200A3P3	200	330	1.25	22 x 30				
598-SLP331M200C1P3	200	330	1.25	25 x 25				
598-SLP391M200C3P3	200	390	1.35	25 x 30				
598-SLP471M200A7P3	200	470	1.5	22 x 40				
598-SLP471M200C3P3	200	470	1.5	25 x 30				

MOUSER STOCK NO.	VDC	Value (μF)	Ripple(A) @ 120Hz@85°C	Case Size D x L (mm)	Price Each			
					1	10	50	100
					For quantities greater than listed, call for quote.			
598-SLP471M200C5P3	200	470	1.6	25 x 35				
598-SLP471M200E1P3	200	470	1.5	30 x 25				
598-SLP561M200A4P3	200	560	1.67	22 x 45				
598-SLP561M200C5P3	200	560	1.7	25 x 35				
598-SLP561M200E1P3	200	560	1.67	30 x 25				
598-SLP681M200A9P3	200	680	1.78	22 x 50				
598-SLP681M200C5P3	200	680	1.72	25 x 35				
598-SLP681M200C7P3	200	680	1.82	25 x 40				
598-SLP681M200E3P3	200	680	1.78	30 x 30				
598-SLP821M200C4P3	200	820	2.1	25 x 45				
598-SLP821M200H3P3	200	820	2.04	35 x 30				
598-SLP102M250E9P3	250	1000	2.7	30 x 50				
598-SLP102M250H7P3	250	1000	2.69	35 x 40				
598-SLP152M250H9P3	250	1500	3.61	35 x 50				
598-SLP181M250A1P3	250	180	0.88	22 x 25				
598-SLP221M250A3P3	250	220	1	22 x 30				
598-SLP221M250C1P3	250	220	1.08	25 x 25				
598-SLP271M250A5P3	250	270	1.18	22 x 35				
598-SLP331M250A3P3	250	330	1.15	22 x 30				
598-SLP331M250A7P3	250	330	1.3	22 x 40				
598-SLP331M250C3P3	250	330	1.3	25 x 30				
598-SLP391M250C5P3	250	390	1.49	25 x 35				
598-SLP471M250C7P3	250	470	1.65	25 x 40				
598-SLP471M250E3P3	250	470	1.65	30 x 30				
598-SLP681M250C9P3	250	680	2.03	25 x 50				
598-SLP681M250E7P3	250	680	2	30 x 40				
598-SLP681M250H3P3	250	680	2	35 x 30				
598-SLP821M250E4P3	250	820	2.3	30 x 45				
598-SLP821M250H5P3	250	820	2.3	35 x 35				
598-SLP470M400A1P3	400	470	0.42	22 x 25				
598-SLP151M400C3P3	400	150	0.83	25 x 30				
598-SLP221M400E5P3	400	220	1.28	30 x 35				
598-SLP331M400E5P3	400	330	1.39	30 x 35				
598-SLP391M400H5P3	400	390	1.6	35 x 35				
598-SLP471M400H7P3	400	470	1.9	35 x 40				
598-SLP561M400H4P3	400	560	2.12	35 x 45				
598-SLP681M400H4P3	400	680	2.34	35 x 45				
598-SLP680M450A3P3	450	680	0.53	22 x 30				
598-SLP101M450A3P3	450	100	0.65	22 x 30				
598-SLP151M450C3P3	450	150	0.82	25 x 30				
598-SLP221M450H3P3	450	220	1.12	35 x 30				
598-SLP221M450E3P3	450	220	1.05	30 x 30				
598-SLP271M450H5P3	450	270	1.28	35 x 35				
598-SLP331M450H5P3	450	330	1.37	35 x 35				
598-SLP331M450H7P3	450	330	1.45	35 x 40				
598-SLP471M450H4P3	450	470	1.77	35 x 45				
598-SLP471M450H9P3	450	470	1.85	35 x 50				

380LQ, 85°C SERIES - COMPACT HIGH CAPACITANCE SNAPMOUNT

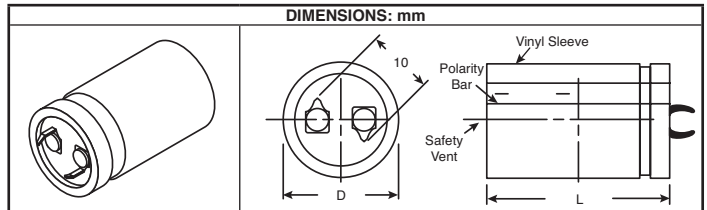
Specifications:

- Voltage rating: 16VDC to 450VDC
- Operating temperature: $\leq 315V$: -40°C to +85°C; $>350V$: -25°C to +85°C
- Capacitance tolerance: 20%
- Life test: 2000 hours @ +85°C at full load
- Leakage current: $\leq 3 \sqrt{CV} \mu A$ at 5 min.

Features:

- More capacitance per case size
- Average of 27% smaller and more than 10mm shorter than Type 380LX
- Approaching the capability of the 380LX, the 380LQ enables you to shrink equipment size and retain the original performance

MOUSER STOCK NO.	CDE Type 380LQ	Value (μF)	Ripple(A) @ 85°C/120Hz	Case Size D x L (mm)	Price Each		
					1	10	25
200 WVDC							
5985-380-200V471	471M200H022	470	1.85	22 x 30			
5985-380-200V681	681M200H032	680	2.68	22 x 35			
5985-380-200V821	821M200J022	820	2.93	25 x 30			
5985-380-200V102	102M200J032	1000	3.25	25 x 35			
5985-380-200V122	122M200K022	1200	3.50	30 x 30			
5985-380-200V152	152M200K032	1500	3.87	30 x 35			
5985-380-200V222	222M200K052	2200	4.92	30 x 50			
5985-380-200V272	272M200A052	2700	5.45	35 x 50			
250 WVDC							
5985-380-250V331	331M250H022	330	1.75	22 x 30			
5985-380-250V471	471M250H032	470	2.11	22 x 35			
5985-380-250V561	561M250J022	560	2.25	25 x 30			
5985-380-250V681	681M250J032	680	2.50	25 x 35			
5985-380-250V821	821M250K022	820	2.77	30 x 30			
5985-380-250V102	102M250K032	1000	3.32	30 x 35			
5985-380-250V122	122M250A032	1200	3.53	35 x 35			
5985-380-250V152	152M250K052	1500	4.04	30 x 50			
5985-380-250V222	222M250A052	2200	5.00	35 x 50			

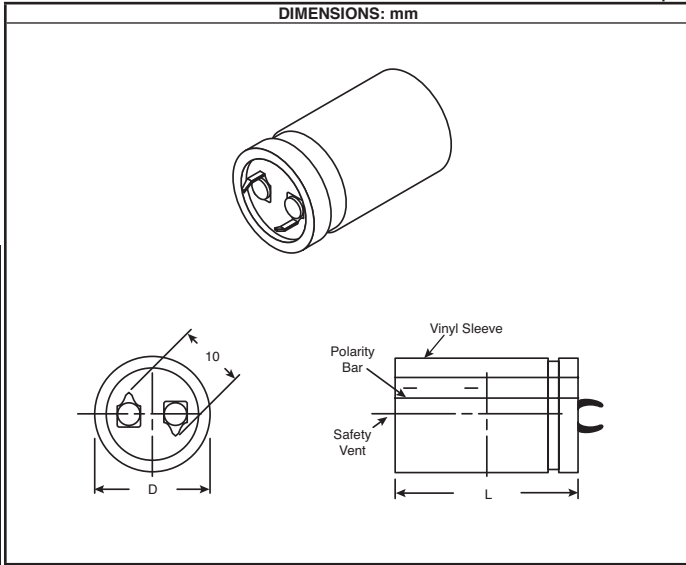


MOUSER STOCK NO.	CDE Type 380LQ	Value (μF)	Ripple(A) @ 85°C/120Hz	Case Size D x L (mm)	Price Each		
					1	10	25
400 WVDC							
5985-380-400V221	221M400J022	220	1.49	25 x 30			
5985-380-400V271	271M400K022	270	1.67	30 x 30			
5985-380-400V331	331M400K022	330	1.90	30 x 30			
5985-380-400V391	391M400K032	390	2.13	30 x 35			
5985-380-400V471	471M400K042	470	2.39	30 x 40			
5985-380-400V561	561M400A032	560	2.69	35 x 35			
5985-380-400V681	681M400K052	680	2.96	30 x 50			
5985-380-400V821	821M400A052	820	3.25	35 x 50			
450 WVDC							
5985-380-450V121	121M450H022	120	1.04	22 x 30			
5985-380-450V221	221M450K022	220	1.55	30 x 30			
5985-380-450V271	271M450K022	270	1.78				

CORNELL DUBILIER Aluminum Electrolytic Capacitors



This product is RoHS compliant.



381LQ SERIES, 105°C - COMPACT HIGH RIPPLE SNAP-IN

Specifications:

- Voltage rating: 200VDC to 450VDC
- Operating temperature: <315V: -40°C to +105°C; >350V: -25°C to +105°C
- Capacitance tolerance: 20%
- Life test: 2000 hours @ 105°C at full load
- Leakage current: $\leq 3\sqrt{CV} \mu A$ at 5 min.
- EIA Ripple life: 8000 hours @ 85°C

Features:

- More capacitance per case size
- Average of 23% smaller and more than 5mm shorter than Type 381LX
- The 381LQ enables you to shrink equipment size and retain the original performance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type 381LQ	Value (μF)	Ripple(A) @ 105°C/20Hz	Case D x L (mm)	Price Each		
					1	10	25
200 WVDC							
5985-381-200V470	471M200H022	470	2.03	22 x 30			
5985-381-200V680	681M200J022	680	2.45	25 x 30			
5985-381-200V820	821M200J032	820	2.86	25 x 35			
5985-381-200V1000	102M200K022	1000	3.22	30 x 30			
5985-381-200V1200	122M200A022	1200	3.71	35 x 30			
5985-381-200V1500	152M200K042	1500	3.92	35 x 40			
5985-381-200V1800	182M200A042	1800	4.31	35 x 40			
5985-381-200V2200	222M200K052	2200	4.87	30 x 50			
250 WVDC							
5985-381-250V330	331M250H022	330	1.68	22 x 30			
5985-381-250V390	391M250H032	390	1.82	22 x 35			
5985-381-250V470	471M250J022	470	1.96	25 x 30			
5985-381-250V560	561M250J032	560	2.10	25 x 35			
5985-381-250V680	681M250K022	680	2.38	30 x 30			
5985-381-250V820	821M250K032	820	2.80	30 x 35			
5985-381-250V1000	102M250K042	1000	3.08	30 x 40			
5985-381-250V1800	182M250A052	1800	3.78	35 x 50			
400 WVDC							
5985-381-400V220	221M400J032	220	1.54	25 x 35			
5985-381-400V270	271M400K022	270	1.71	30 x 30			
5985-381-400V330	331M400K032	330	2.02	30 x 35			
5985-381-400V390	391M400K042	390	2.17	30 x 40			
5985-381-400V470	471M400A032	470	2.35	35 x 35			
5985-381-400V560	561M400A042	560	2.66	35 x 40			
5985-381-400V680	681M400A452	680	2.97	35 x 45			
450 WVDC							
5985-381-450V100	101M450H022	100	0.9	22 x 30			
5985-381-450V120	121M450H032	120	1.01	22 x 35			
5985-381-450V150	151M450J022	150	1.11	25 x 30			
5985-381-450V180	181M450K022	180	1.22	30 x 30			
5985-381-450V220	221M450K022	220	1.40	30 x 30			
5985-381-450V270	271M450K042	270	1.67	30 x 40			
5985-381-450V330	331M450A032	330	1.93	35 x 35			
5985-381-450V390	391M450A042	390	2.17	35 x 40			
5985-381-450V470	471M450A452	470	2.44	35 x 45			
5985-381-450V560	561M450A052	560	2.66	35 x 50			

380LX, 85°C SERIES - HIGH CAPACITANCE SNAPSHOT

Specifications:

- Voltage rating: 16VDC to 500VDC
- Operating temperature: <300V: -40°C to +85°C; $\geq 350V$: -25°C to +85°C
- Capacitance tolerance: 20%
- Life test: 3000 hours @ +85°C at full load
- Leakage current: $\leq 3\sqrt{CV} \mu A$ at 5 min.
- EIA ripple life: 3000 hours @ 85°C

Features:

- More capacitance per case size
- Ideal for switching power supply input and output circuits and motor drives

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type 380LQ	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each		
					1	10	25
25 WVDC							
5985-85-25V6800	682M025H022	6,800	3.50	22 x 30			
5985-85-25V10000	103M025H032	10,000	3.80	22 x 35			
5985-85-25V22000	223M025J052	22,000	6.10	25 x 50			
5985-85-25V47000	473M025A052	47,000	8.00	35 x 50			
35 WVDC							
5985-85-35V5600	562M035H022	5,600	3.40	22 x 30			
5985-85-35V8200	822M035H042	8,200	4.00	22 x 40			
5985-85-35V10000	103M035K022	10,000	4.40	30 x 30			
5985-85-35V15000	153M035J052	15,000	5.60	25 x 50			
5985-85-35V22000	223M035A042	22,000	6.10	35 x 40			
5985-85-35V33000	333M035A052	33,000	7.15	35 x 50			
50 WVDC							
5985-85-50V3300	332M050H022	3,300	2.70	22 x 30			
5985-85-50V4700	472M050H032	4,700	3.00	22 x 35			
5985-85-50V4700J	472M050J022	4,700	3.00	25 x 30			
5985-85-50V6800	682M050K022	6,800	3.90	30 x 30			
5985-85-50V8200	822M050K032	8,200	4.40	30 x 35			
5985-85-50V15000	153M050K052	15,000	6.40	30 x 50			
5985-85-50V22000	223M050A052	22,000	7.60	35 x 50			
63 WVDC							
5985-85-63V4700	472M063K022	4,700	4.40	30 x 30			
5985-85-63V8200	822M063A032	8,200	6.00	35 x 35			
5985-85-63V10000	103M063A042	10,000	6.50	35 x 40			
5985-85-63V12000	123M063A052	12,000	7.20	35 x 50			
100 WVDC							
5985-85-100V1000	102M100H022	1,000	2.00	22 x 30			
200 WVDC							
5985-85-200V220	221M200J202	220	0.90	25 x 20			
5985-85-200V330	331M200J012	330	1.60	25 x 25			
5985-85-200V470	471M200J022	470	1.90	25 x 30			
5985-85-200V680	681M200J032	680	2.70	25 x 35			
5985-85-200V1200	122M200K452	1,200	3.50	30 x 45			
5985-85-200V1500	152M200A042	1,500	3.90	35 x 40			
5985-85-200V2200	222M200A052	2,200	4.90	35 x 50			
250 WVDC							
5985-85-250V220	221M250H022	220	1.20	22 x 30			
5985-85-250V470	471M250J042	470	2.10	25 x 40			
5985-85-250V680	681M250A022	680	2.50	35 x 30			
5985-85-250V1000	102M250K052	1,000	3.10	30 x 50			
400 WVDC							
5985-85-400V68J	680M400J202	68	0.35	25 x 20			
5985-85-400V100	101M400H022	100	0.90	22 x 30			
5985-85-400V560A	561M400A052	560	2.70	35 x 50			
5985-85-400V680	681M400A052	680	3.00	35 x 50			
450 WVDC							
5985-85-450V47	470M450J202	47	0.30	25 x 20			
5985-85-450V68	680M450H022	68	0.80	22 x 30			
5985-85-450V100	101M450J022	100	0.90	25 x 30			
5985-85-450V120	121M450J022	120	1.00	25 x 30			
5985-85-450V220	221M450J052	220	1.60	25 x 50			
5985-85-450V330	331M450A042	330	2.00	35 x 40			
5985-85-450V470	471M450A052	470	2.50	35 x 50			

381LX SERIES, 105°C - HIGH RIPPLE SNAP-IN

Specifications:

- Voltage rating: 16VDC to 450VDC
- Operating temperature: <315V: -40°C to +105°C; $\geq 350V$: -25°C to +105°C
- Capacitance tolerance: 20%
- Leakage current: $\leq 3\sqrt{CV} \mu A$ at 5 min.
- EIA Ripple life: 12,000 hours @ 85°C

Features:

- More capacitance per case size
- 4 times the life of 380LX Series
- High ripple capability

Applications:

- Power supply input and output circuits
- Motor-drives

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type 381LQ	Value (μF)	Ripple(A) @ 105°C/120Hz	Case D x L (mm)	Price Each		
					1	10	25
16 WVDC							
5985-16V10000	103M016J012	10,000	2.60	25 x 25			
5985-16V15000	153M016J032	15,000	3.20	25 x 35			
25 WVDC							
5985-25V10000	103M025J032	10,000	3.00	25 x 35			
5985-25V15000	153M025J452	15,000	3.60	25 x 45			
35 WVDC							
5985-35V4700J	472M035J012	4,700	1.60	25 x 25			
5985-35V10000	103M035J052	10,000	3.50	25 x 50			
5985-35V22000	223M035A052	22,000	5.00	35 x 50			
63 WVDC							
5985-63V2200	222M063J022	2,200	2.00	25 x 30			
5985-63V10000	103M063A052	10,000	4.40	35 x 50			
200 WVDC							
5985-200V220	221M200H012	220	1.00	22 x 25			
5985-200V330H	331M200H022	330	1.20	22 x 30			
5985-200V330	331M200J012	330	1.20	25 x 25			
5985-200V470	471M200J032	470	1.40	25 x 35			
5985-200V680	681M200J042	680	1.70	25 x 40			
5985-200V680K	681M200K022	680	1.70	30 x 30			
5985-200V1000K	102M200K032	1,000	2.20	30 x 35			
5985-200V1200	122M200K052	1,200	2.30	30 x 50			
5985-200V1500	152M200A042	1,500	2.50	35 x 40			
250 WVDC							
5985-250V180	181M250J012	180	1.30	25 x 25			
5985-250V220	221M250J012	220	1.00	25 x 25			
5985-250V330	331M250K012	330	1.20	30 x 25			
5985-250V680	681M250K452	680	1.70	30 x 45			
5985-250V1000	102M250A452	1,000	2.20	35 x 45			
5985-250V1500	152M250A052	1,500	2.50	35 x 50			
450 WVDC							
598-81LX330M450H012	330M450H012	33	.35	22 x 25			
5985-450V100	101M450J042	100	.60	25 x 40			
5985-450V150	151M450K022	150	.80	30 x 30			
59							

CORNELL DUBILIER Aluminum Electrolytic Capacitors



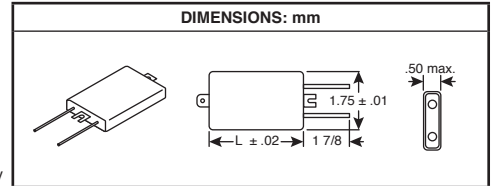
CDE CORNELL DUBILIER MLP/MLS FLATPACK® ULTRA LONG LIFE CAPACITORS

The MLP/MLS Flatpack® series unique flat design increases available board space by 27% compared to standard round capacitors. The broad, flat sides make heat-sinking simple and effective, and the box shape encourages efficient stacking. High-purity material assures extremely long life, and for values rated at 250V and less exhibit superior low-temperature impedance down to -55°C.

- Features:**
- MLP = 85°C, Aluminum Case
 - MLS = 125°C, Stainless Steel Case
 - Low profile replacement for snap-in capacitors
 - Can readily heat sink to double the ripple capability
 - Near-hermetic welded seal assures 50-year life

- Type MLP/MLS:**
- Avionics
 - Telecom
 - Power supply
 - Circuit cards
 - High power inverter/converter

- Specifications:**
- Height: < 1/2"
 - Capacitance: 220µF-20,000µF
 - Voltage: 25VDC-450VDC
 - Operates: -55°C to 85°C for 250V, -40°C to 85°C for >250V
 - 2,000-Hour life test: 85°C
 - Type MLP delivers 25 joules of energy storage in a 1/2" height with 50 years life @ +45°C



For quantities greater than listed, call for quote.

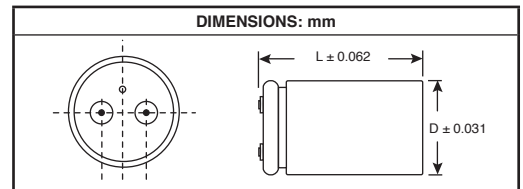
MOUSER STOCK NO.	CDE Part No.	Volt (DC)	Value (µF)	Max. Temp. °C	Case Size D x L (In.)	Max. ESR 25°C (mΩ)		Ripple (A) at 85°		Price Each		
						120 Hz	20 kHz	120 Hz	20 kHz	1	10	25
5987-50V442	MLP442M050EK1A	50	4400	85	1.75 x 1.5	97	70	3.7	4.4			
5987-50V113	MLP113M050EB1A	50	11000	85	1.75 x 3.0	36	27	8.3	9.6			
5987-80V332	MLP332M080EB1A	80	3300	85	1.75 x 3.0	44	31	7.5	9			
598-MLP272M100EB0A	MLP272M100EB0A	100	2700	85	1.75 x 3.0	46	33	7.4	8.7			
5987-250V821	MLP821M250EB1A	250	820	85	1.75 x 3.0	172	103	3.8	4.9			
598-MLP331M420EB0A	MLP331M420EB0A	420	330	85	1.75 x 3.0	530	390	2.1	2.5			
5987-450V281	MLP281M450EB0A	450	280	85	1.75 x 3.0	585	480	2	2.3			
598-MLS442M040EK0A	MLS442M040EK0A	40	4400	125	1.75 x 1.5	97	70	10.3	12.1			
598-MLS152M060EK0A	MLS152M060EK0A	60	1500	125	1.75 x 1.5	106	77	9.8	11.5			
598-MLS112M075EK0A	MLS112M075EK0A	75	1100	125	1.75 x 1.5	112	78	9.6	11.5			
598-MLS331M200EK1A	MLS331M200EK1A	200	330	125	1.75 x 1.5	426	258	4.9	6.2			
5987-MLS821M200EB1A	MLS821M200EB1A	200	820	125	1.75 x 3.0	172	103	7.7	10			
598-MLS561M250EB1A	MLS561M250EB1A	250	560	125	1.75 x 3.0	240	157	6.5	8.1			

CDE CORNELL DUBILIER DCMC 85°C HIGH CAPACITANCE SCREW TERMINAL LARGE CAN

- Features:**
- Low ESR
 - High capacitance value
 - Handle large ripple current
 - Thermal-Pak extended cathode construction assures cool operation with heat flow from the capacitor element to the can

- Applications:**
- Power supply filters
 - UPS systems
 - Computer hold-up power
 - Energy storage applications

- Specifications:**
- Voltage range: 6.3VDC to 450VDC
 - Temperature range: -40°C to 85°C
 - Tolerance: $\pm 20\%$ VDC = -10% to +5%
 - >200VDC = -10% to +50%
 - Capacitance Range: 110µF to 2.7µF
 - Life: 2000 hours @ 85°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (µF)	Voltage (V)	Case Size D x L (In.)	Max. ESR (mΩ) 120Hz/25°C	Max. Ripple (A) 120Hz/85°C	Price Each			
							1	10	25	100
598-DCMC50V103	DCMC103U050AA2B	10000	50	1.375 x 2.125	30.9	5.6				
598-DCMC50V163	DCMC163U050AB2B	16000	50	1.375 x 3.125	23.6	7.4				
598-DCMC50V263	DCMC263U050AC2B	26000	50	1.375 x 4.125	18.7	10.4				
598-DCMC50V383	DCMC383U050BB2B	38000	50	2.000 x 3.125	16.3	11.9				
598-DCMC63V702	DCMC702U063AA2B	7000	63	1.375 x 2.125	39.0	5.0				
598-DCMC75V223	DCMC223U075AF2B	22000	75	1.375 x 5.625	21.4	10.8				
598-DCMC100V163	DCMC163U100EC2B	16000	100	1.750 x 4.125	28.8	8.0				
598-DCMC100V203	DCMC203U100BC2B	20000	100	2.000 x 4.125	19.9	10.7				
598-DCMC200V352	DCMC352T200BC2B	3500	200	2.000 x 4.125	0.03	10.8				
598-DCMC250V152	DCMC152T250AB2B	1500	250	1.375 x 3.125	88.0	4.1				
598-DCMC250V472	DCMC472T250BC2B	4700	250	2.000 x 4.125	31.5	8.9				
598-DCMC250V682	DCMC682T250BF2B	6800	250	2.000 x 5.625	21.2	11.9				
598-DCMC450V271	DCMC271T450AA2B	270	450	1.375 x 2.125	437.7	1.5				
598-DCMC450V471	DCMC471T450AB2B	470	450	1.375 x 3.125	253.2	2.4				
598-DCMC450V102	DCMC102T450BB2B	1000	450	2.000 x 3.125	137.0	4.3				

CDE CORNELL DUBILIER CDHC SNAP-IN HYBRID CARBONCAP POWER ULTRACAPACITORS

Cornell Dubilier CDHC Hybrid Carboncap Power Ultracapacitors are designed for board mountable power backup applications. These hybrid capacitors charge rapidly and discharge slowly, making them ideal for applications requiring low power, low energy, and low charge/discharge cycle rates such as solar lighting, LED lighting, portable devices, and emergency operation of vehicle doors and windows.

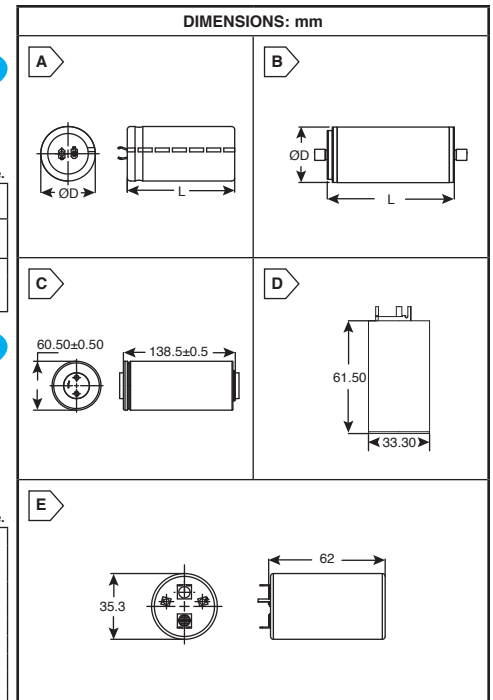


- Features:**
- Rapid charge
 - PC Board mountable
 - Standard snap in design
- Specifications:**
- Capacitance: 220F-1000F
 - Capacitance Tolerance: -5% / +10%
 - Voltage: 2.30VDC-2.50VDC

- Applications:**
- Solar Lighting
 - LED Lighting
 - Portable devices
 - Emergency door and window operation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Fig.	Value (F)	Voltage (V)	Max Temp (°C)	Case Size D x L (In.)	Max. ESR DC (mΩ)	Leakage Current Max. (mA)	Price Each			
									1	10	25	100
598-CDHC221K2R3SR	CDHC221K2R3SR	A	220	2.3	60	22 x 45	40	0.2				
598-CDHC301K2R3SR	CDHC301K2R3SR	A	300	2.3	60	22 x 45	25	0.55				
598-CDHC821K2R3SR	CDHC821K2R3SR	A	820	2.3	60	27 x 80	12	0.5				



CDE CORNELL DUBILIER CDLC ULTRACAPACITORS

Cornell Dubilier CDLC Carboncap High-Power Board Mount Ultracapacitors offer extremely high capacitance values (farads) ranging from 100 to 3000F with extraordinary cycle life in axial, M12 threaded, and 2 and 4 pin snap in versions. This leading edge, organic electrolyte D cell ultracapacitor can easily handle more than a half million duty cycles and is designed for reverse proof surface mount assembly. CDLC Carboncap High-Power Board Mount Ultracapacitors are suited for industrial power back up, renewable energy systems, short term UPS, and telecom applications.



- Features:**
- High power performance
 - Ultra Low ESR Characteristics Axial, M12 threaded, and 2 and 4 pin snap in termination styles available
- Specifications:**
- Capacitance: 100F-600F
 - Capacitance Tolerance: -5% / +10%
 - Voltage: 2.70VDC-2.85VDC

- Applications:**
- Grid stabilization
 - Wind turbine pitch
 - Short term UPS
 - Industrial power backup
 - Renewable energy systems
 - Rail system power

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Fig.	Value (F)	Voltage (V)	Max Temp (°C)	Case Size D x L (In.)	Max. ESR DC (mΩ)	Leakage Current Max. (mA)	Price Each			
									1	10	25	100
598-CDLC101K2R7SR	CDLC101K2R7SR	A	100	2.7	65	22 x 45	4.2	0.27				
598-CDLC351K2R7SR	CDLC351K2R7SR	A	350	2.7	65	35 x 59	3.2	1				
598-CDLC401K2R7SR	CDLC401K2R7SR	A	400	2.7	65	35 69	3.2	1.2				
598-CDLC122P2R7K04	CDLC122P2R7K04	B	1200	2.7	65	60.7 x 74	0.58	2.7				
598-CDLC152P2R7K04	CDLC152P2R7K04	B	1500	2.7	65	60.7 x 85	0.47	3				
598-CDLC202P2R7K04	CDLC202P2R7K04	B	2000	2.7	65	60.7 x 102	0.35	4.2				
598-CDLC302P2R7K04	CDLC302P2R7K04	B	3000	2.7	65	60.7 x 138	0.29	5.2				
598-CDLC302P2R7LR	CDLC302P2R7LR	C	3000	2.7	65	60.5 x 138.5	0.26	5				
598-CDLC351E2R7T11	CDLC351E2R7T11	D	350	2.7	65	33.3 x 61.5	3.2	0.32				
598-CDLC351K2R7S4	CDLC351K2R7S4	E	350	2.7	65	35.3 x 62	2.7	1				

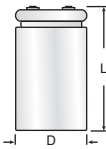
MALLORY Screw Terminal Aluminum Electrolytic Capacitors



CGS - SERIES 85°C SCREW TERMINAL CAPACITORS

Mallory CGS Series Equivalents	
Collins - CES Series	Meppco-electra - 3186/91C & 91F Series
General Electric - 86F Series	Rubycon - LSA Series

DIMENSIONS: in.



RoHS Compliant

Specifications:

- Temperature range: -40°C to +85°C
- DC Leakage Current:
 - I = .006 \sqrt{CV} after 30 minutes
 - Not to exceed 6mA
- C = Capacitance in μF
- V = Rated Voltage
- I = Leakage Current in mA

QA Stability Test:

- Apply WVDC for 2,000 hrs at 85°C
- Capacitance change $\leq 10\%$ from initial limits
- DC leakage currents meet initial limits
- ESR $\leq 175\%$ of initial measured value

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mallory Type CGS	Cap (μF)	Case DxDL (in.)	Price Each		
				1	10	25
16 Volt						
539-CGS16V10000	CGS103U016R2C	10000	1.375 x 2.125			
539-CGS16V15000	CGS153U016R2L	15000	1.375 x 2.625			
539-CGS16V17000	CGS173U016R3C	17000	1.375 x 3.125			
539-CGS16V38000	CGS383U016V3C	38000	2.000 x 3.125			
539-CGS16V50000	CGS503U016V3C	50000	2.000 x 3.125			
539-CGS663U016V4C	CGS663U016V4C	66000	2.000 x 4.125			
539-CGS16V110000	CGS114U016W4C	110000	2.500 x 4.125			
539-CGS16V210000	CGS214U016X5R	210000	3.000 x 5.875			
25 Volt						
539-CGS25V8900	CGS892U025R3C	8900	1.375 x 3.125			
539-CGS103U025R3C	CGS103U025R3C	10000	1.375 x 3.125			
539-CGS25V12000	CGS123U025V3C	12000	2.000 x 3.125			
539-CGS25V18000	CGS183U025R4C	18000	1.375 x 4.125			
539-CGS25V20000	CGS203U025V3C	20000	2.000 x 3.125			
539-CGS25V47000	CGS473U025V4C	47000	2.000 x 4.125			
30 Volt						
539-CGS30V8000	CGS802U030R3C	8000	1.375 x 3.125			
539-CGS30V30000	CGS303U030V4C	30000	2.000 x 4.125			
539-CGS30V55000	CGS553U030W4C	55000	2.500 x 4.125			
40 Volt						
539-CGS40V2200	CGS222U040R2C	2200	1.375 x 2.125			
539-CGS40V2700	CGS272U040R2C	2700	1.375 x 2.125			
539-CGS40V3500	CGS352U040R2C	3500	1.375 x 2.125			
539-CGS472U040R2C	CGS472U040R2C	4700	1.375 x 2.125			
539-CGS40V5100	CGS512U040R3C	5100	1.375 x 3.125			
539-CGS40V6000	CGS602U040R3C	6000	1.375 x 3.125			
539-CGS40V9000	CGS902U040R4C	9000	1.375 x 4.125			
539-CGS40V11000	CGS113U040V3C	11000	2.000 x 3.125			
539-CGS40V12000	CGS123U040R4C	12000	1.375 x 4.125			
539-CGS40V13000	CGS133U040V4C	13000	2.000 x 4.125			
539-CGS223U040V3C	CGS223U040V3C	22000	2.000 x 3.125			
539-CGS40V23000	CGS233U040V4C	23000	2.000 x 4.125			
539-CGS40V33000	CGS333U040V4C	33000	2.000 x 4.125			
539-CGS40V40000	CGS403U040W4C	40000	2.500 x 4.125			
539-CGS683U040X4C	CGS683U040X4C	68000	3.000 x 4.125			
50 Volt						
539-CGS50V1600	CGS162U050R2C	1600	1.375 x 2.125			
539-CGS50V2200	CGS222U050R2C	2200	1.375 x 2.125			
539-CGS50V2900	CGS292U050R3C	2900	1.375 x 3.125			
539-CGS50V4100	CGS412U050R3C	4100	1.375 x 3.125			
539-CGS50V5000	CGS502U050R3C	5000	1.375 x 3.125			
539-CGS50V6100	CGS612U050R4C	6100	1.375 x 4.125			
539-CGS50V6500	CGS652U050V3C	6500	2.000 x 3.125			
539-CGS682U050R3C	CGS682U050R3C	6800	1.375 x 3.125			
539-CGS50V9600	CGS962U050V4C	9600	2.000 x 4.125			
539-CGS50V10000	CGS103U050R4C	10000	1.375 x 4.125			
539-CGS50V13000	CGS133U050V3C	13000	2.000 x 3.125			
539-CGS50V15000	CGS153U050V4C	15000	2.000 x 4.125			
539-CGS50V18000	CGS183U050V3C	18000	2.000 x 3.125			
539-CGS50V20000	CGS203U050V4C	20000	2.000 x 4.125			
539-CGS50V25000	CGS253U050W4C	25000	2.500 x 4.125			
539-CGS313U050W4C	CGS313U050W4C	31000	2.500 x 4.125			
539-CGS50V48000	CGS483U050X4C	48000	3.000 x 4.125			
539-CGS50V56000	CGS563U050X3L	56000	3.000 x 3.625			

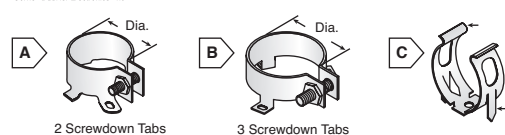
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mallory Type CGS	Cap (μF)	Case DxDL (in.)	Price Each		
				1	10	25
50 Volt (Cont.)						
539-CGS603U050X5C	CGS603U050X5C	60000	3.000 x 5.125			
75 Volt						
539-CGS75V1500	CGS152U075R3C	1500	1.375 x 3.125			
539-CGS75V2100	CGS212U075R3C	2100	1.375 x 3.125			
539-CGS222U075R2C	CGS222U075R2C	2200	1.375 x 2.125			
539-CGS75V2900	CGS292U075R3C	2900	1.375 x 3.125			
539-CGS75V4200	CGS422U075R4C	4200	1.375 x 4.125			
539-CGS75V4800	CGS482U075V3C	4800	2.000 x 3.125			
539-CGS75V10000S	CGS103U075V3C	10000	2.000 x 3.125			
539-CGS75V10000L	CGS103U075V4C	10000	2.000 x 4.125			
539-CGS75V10000	CGS103U075R3C	10000	1.375 x 3.125			
539-CGS123U075V4C	CGS123U075V4C	12000	2.000 x 4.125			
539-CGS153U075V5L	CGS153U075V5L	15000	2.000 x 5.625			
539-CGS75V25000L	CGS253U075W5L	25000	2.500 x 5.625			
539-CGS75V25000S	CGS253U075X4C	25000	3.000 x 4.125			
539-CGS75V37000	CGS373U075X5L	37000	3.000 x 5.625			
100 Volt						
539-CGS100V1200	CGS122U100R3C	1200	1.375 x 3.125			
539-CGS100V1700	CGS172U100R3C	1700	1.375 x 3.125			
539-CGS100V10000	CGS103U100W4C	10000	2.500 x 4.125			
539-CGS100V15000	CGS153U100X4C	15000	3.000 x 4.125			
150 Volt						
539-CGS150V400	CGS401U150R2C	400	1.375 x 2.125			
200 Volt						
539-CGS200V1000	CGS102T200R4C	1000	1.375 x 4.125			
539-CGS162T200V3C	CGS162T200V3C	1600	2.000 x 3.125			
539-CGS200V2000	CGS202T200V4C	2000	2.000 x 4.125			
539-CGS200V5400	CGS542T200X4L	5400	3.000 x 4.625			
539-CGS200V7400	CGS742T200X5L	7400	3.000 x 5.625			
539-CGS200V7700	CGS772T200X5L	7700	3.000 x 5.625			
250 Volt						
539-CGS250V200	CGS201T250R2C	200	1.375 x 2.125			
539-CGS251T250R2C	CGS251T250R2C	250	1.375 x 2.125			
539-CGS250V550	CGS551T250R4C	550	1.375 x 4.125			
539-CGS250V1200	CGS122T250V3C	1200	2.000 x 3.125			
539-CGS250V6000	CGS602T250X5L	6000	3.000 x 5.625			
350 Volt						
539-CGS350V250	CGS251T350R3C	250	1.375 x 3.125			
539-CGS350V102V4C	CGS102T350V4C	1000	2.000 x 4.125			
539-CGS350V3300	CGS332T350X5L	3300	3.000 x 5.625			
450 Volt						
539-CGS450V75	CGS750T450R2C	75	1.375 x 2.125			
539-CGS450V100	CGS101T450R2C	100	1.375 x 2.125			
539-CGS450V140	CGS141T450R3C	140	1.375 x 3.125			
539-CGS450V170	CGS171T450R3C	170	1.375 x 3.125			
539-CGS450V210	CGS211T450R4C	210	1.375 x 4.125			
539-CGS450V320	CGS321T450V3C	320	2.000 x 3.125			
539-CGS450V400	CGS401T450R5L	400	1.375 x 5.625			
539-CGS450V450	CGS451T450V3C	450	2.000 x 3.125			
539-CGS450V650	CGS651T450V4C	650	2.000 x 4.125			
539-CGS450V800	CGS801T450V4L	800	2.000 x 4.625			
539-CGS450V1000	CGS102T450W4C	1000	2.500 x 4.125			
539-CGS450V1400	CGS142T450W5C	1400	2.500 x 5.125			
539-CGS152T450X5C	CGS152T450X5C	1500	3.000 x 5.125			
539-CGS450V2000	CGS202T450X5C	2000	3.000 x 5.125			
539-CGS450V2400	CGS242T450X5L	2400	3.000 x 5.625			
539-CGS450V3300	CGS332T450X5L	3300	3.000 x 5.625			
539-CGS472T450X5C	CGS472T450X5C	4700	3.000 x 5.125			

MALLORY CAPACITOR MOUNTING HARDWARE



Cornell Dubilier Electronics, Inc.



Squeeze ends together & slide in. Tabs retain clip when released.

For quantities greater than listed, call for quote.

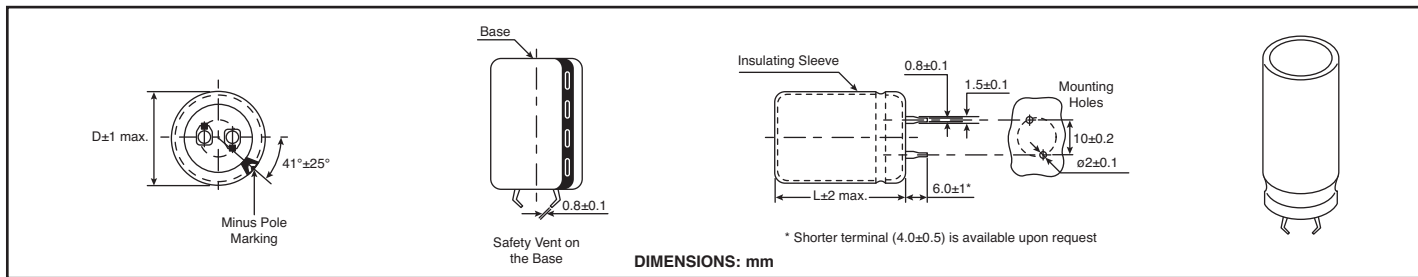
MOUSER STOCK NO.	Fig.	Diameter (in.)	Description	Price Each	
				1	25
Unassembled	Assembled				
539-VR3	539-VR3A	A	1.375 - 1.44	Vertical mount, 2 screwdown tabs	
539-VR6	539-VR6A	B	1.75 - 1.81	Vertical mount, 3 screwdown tabs	
539-VR8	539-VR8A	B	2 - 2.06	Vertical mount, 3 screwdown tabs	
539-VR10	539-VR10A	B	2.5 - 2.56	Vertical mount, 3 screwdown tabs	
539-VR12	539-VR12A	B	3 - 3.125	Vertical mount, 3 screwdown tabs	
539-TH25	-----	C	1.375 - 1.44	Horizontal mount	

Cornell Dubilier Aluminum Caps, Can

EPCOS Snap-In Aluminum Electrolytic Capacitors



This product is RoHS compliant.



DIMENSIONS: mm

85°C ALUMINUM ELECTROLYTIC SNAP-IN CAPACITORS

Features:

- High ripple current capability
- Load life of 2000 hours at 85°C

Applications:

- Switch-mode power supplies in industrial and entertainment electronics



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Voltage (DC)	Value (uF)	Case Size DxL (mm)	Dissipation Factor (tan δ)	Ripple Current (mA)	Price Each			
							1	10	25	50
871-B43231A2187M000	B43231A2187M000	200	180	22 x 20	0.12	0.91				
871-B43231A2227M000	B43231A2227M000	200	220	22 x 25	0.12	1.09				
871-B43231A2337M000	B43231A2337M000	200	330	22 x 30	0.12	1.42				
871-B43231A2477M000	B43231A2477M000	200	470	22 x 35	0.12	1.79				
871-B43231C2687M000	B43231C2687M000	200	680	30 x 30	0.12	2.43				
871-B43231B2108M000	B43231B2108M000	200	1000	35 x 30	0.12	3.18				
871-B43231B2158M000	B43231B2158M000	200	1500	35 x 40	0.12	4.01				
871-B43231E2157M000	B43231E2157M000	250	150	22 x 25	0.15	0.90				
871-B43231F2227M000	B43231F2227M000	250	220	25.4 x 25	0.15	1.19				
871-B43231E2477M000	B43231E2477M000	250	470	22 x 45	0.15	1.98				
871-B43231G2567M000	B43231G2567M000	250	560	30 x 30	0.15	2.20				
871-B43231G2687M000	B43231G2687M000	250	680	35 x 30	0.15	2.62				
871-B43231E2827M000	B43231E2827M000	250	820	30 x 40	0.15	2.95				
871-B43231E2108M000	B43231E2108M000	250	1000	30 x 45	0.15	3.40				
871-B43231A9686M000	B43231A9686M000	400	68	22 x 20	0.15	0.56				
871-B43231A9107M000	B43231A9107M000	400	100	22 x 30	0.15	0.78				
871-B43231B9227M000	B43231B9227M000	400	220	30 x 30	0.15	1.38				
871-B43231B9337M000	B43231B9337M000	400	330	35 x 30	0.15	1.83				
871-B43231B9477M000	B43231B9477M000	400	470	30 x 50	0.15	2.43				
871-B43231A9567M000	B43231A9567M000	400	560	35 x 45	0.15	2.73				
871-B43231A5686M000	B43231A5686M000	450	68	22 x 25	0.20	0.46				
871-B43231B5107M000	B43231B5107M000	450	100	25.4 x 30	0.20	0.65				
871-B43231B9157M000	B43231B9157M000	450	150	25.4 x 30	0.20	1.05				
871-B43231C5157M000	B43231C5157M000	450	150	30 x 30	0.20	0.87				
871-B43231B5227M000	B43231B5227M000	450	220	25.4 x 50	0.20	1.18				
871-B43231A5477M000	B43231A5477M000	450	470	35 x 50	0.20	1.99				

105°C ALUMINUM ELECTROLYTIC SNAP-IN CAPACITORS

Features:

- High ripple current capability
- Load life of 2000 hours at 105°C

Applications:

- Switch-mode power supplies in industrial and entertainment electronics



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Voltage (DC)	Value (uF)	Case Size DxL (mm)	Dissipation Factor (tan δ)	Ripple Current (mA)	Price Each			
							1	10	25	50
871-B43252A2157M000	B43252A2157M000	200	150	22 x 20	0.12	0.63				
871-B43252A2227M000	B43252A2227M000	200	220	22 x 25	0.12	0.82				
871-B43252A2337M000	B43252A2337M000	200	330	22 x 30	0.12	1.07				
871-B43252B2477M000	B43252B2477M000	200	470	30 x 25	0.12	1.44				
871-B43252B2687M000	B43252B2687M000	200	680	30 x 30	0.12	1.84				
871-B43252B2108M000	B43252B2108M000	200	1000	35 x 35	0.12	2.53				
871-B43252A2158M000	B43252A2158M000	200	1500	35 x 45	0.12	3.13				
871-B43252E2157M000	B43252E2157M000	250	150	22 x 25	0.15	0.68				
871-B43252F2227M000	B43252F2227M000	250	220	25.4 x 25	0.15	0.90				
871-B43252F2337M000	B43252F2337M000	250	330	25.4 x 30	0.15	1.18				
871-B43252G2397M000	B43252G2397M000	250	390	30 x 30	0.15	1.39				
871-B43252G2567M000	B43252G2567M000	250	560	35 x 30	0.15	1.80				
871-B43252F2687M000	B43252F2687M000	250	680	35 x 35	0.15	2.09				
871-B43252E2827M000	B43252E2827M000	250	820	35 x 40	0.15	2.40				
871-B43252E2128M000	B43252E2128M000	250	1200	35 x 50	0.15	2.91				
871-B43252A9686M000	B43252A9686M000	400	68	22 x 25	0.15	0.44				
871-B43252C9107M000	B43252C9107M000	400	100	25.4 x 30	0.15	0.62				
871-B43252B9227M000	B43252B9227M000	400	220	35 x 30	0.15	1.08				
871-B43252A9337M000	B43252A9337M000	400	330	30 x 45	0.15	1.32				
871-B43252A9477M000	B43252A9477M000	400	470	35 x 45	0.15	1.82				
871-B43252A5566M000	B43252A5566M000	450	56	22 x 25	0.20	0.40				
871-B43252A5686M000	B43252A5686M000	450	68	22 x 30	0.20	0.47				
871-B43252B5826M000	B43252B5826M000	450	82	25.4 x 30	0.20	0.54				
871-B43252B5107M000	B43252B5107M000	450	100	25.4 x 30	0.20	0.62				
871-B43252C5127M000	B43252C5127M000	450	120	30 x 30	0.20	0.74				
871-B43252C5157M000	B43252C5157M000	450	150	30 x 30	0.20	0.83				
871-B43252C5187M000	B43252C5187M000	450	180	35 x 30	0.20	0.98				
871-B43252C5227M000	B43252C5227M000	450	220	35 x 30	0.20	1.08				
871-B43252A5277M000	B43252A5277M000	450	270	30 x 45	0.20	1.28				
871-B43252A5337M000	B43252A5337M000	450	330	30 x 50	0.20	1.48				
871-B43252A5397M000	B43252A5397M000	450	390	35 x 45	0.20	1.66				
871-B43252A5477M000	B43252A5477M000	450	470	35 x 50	0.20	1.89				

EPCOS Snap-In Aluminum Electrolytic Capacitors



This product is RoHS compliant.

105°C ALUMINUM ELECTROLYTIC SNAPIN CAPACITORS - LONG LIFE 3000 HOURS

Features:

- High ripple current capability
- Load life of 3000 hours at 105°C

Applications:

- Switch-mode power supplies in industrial and entertainment electronics

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Voltage (DC)	Value (µF)	Case Size DxL (mm)	Dissipation Factor (tan δ)	Ripple Current (mA)	Price Each			
							1	10	25	50
871-B43254A2157M000	B43254A2157M000	200	150	22 x 20	0.15	0.63				
871-B43254B2187M000	B43254B2187M000	200	180	25.4 x 20	0.15	0.76				
871-B43254B2277M000	B43254B2277M000	200	270	25.4 x 25	0.15	1.00				
871-B43254A2337M000	B43254A2337M000	200	330	22 x 30	0.15	1.07				
871-B43254A2397M000	B43254A2397M000	200	390	22 x 30	0.15	1.17				
871-B43254B2477M000	B43254B2477M000	200	470	25.4 x 30	0.15	1.40				
871-B43254B2567M000	B43254B2567M000	200	560	25.4 x 30	0.15	1.53				
871-B43254A2827M000	B43254A2827M000	200	820	25.4 x 45	0.15	2.16				
871-B43254B2827M000	B43254B2827M000	200	820	30 x 30	0.15	2.02				
871-B43254C2108M000	B43254C2108M000	200	1000	35 x 30	0.15	2.41				
871-B43254A2128M000	B43254A2128M000	200	1200	30 x 40	0.15	2.50				
871-B43254A2158M000	B43254A2158M000	200	1500	30 x 50	0.15	3.04				
871-B43254A2188M000	B43254A2188M000	200	1800	35 x 45	0.15	3.43				
871-B43254A2228M000	B43254A2228M000	200	2200	35 x 50	0.15	3.68				
871-B43254E2127M000	B43254E2127M000	250	120	22 x 20	0.15	0.56				
871-B43254E2157M000	B43254E2157M000	250	150	22 x 25	0.15	0.68				
871-B43254E2187M000	B43254E2187M000	250	180	22 x 25	0.15	0.74				
871-B43254F2227M000	B43254F2227M000	250	220	25.4 x 25	0.15	0.90				
871-B43254E2277M000	B43254E2277M000	250	270	22 x 30	0.15	0.97				
871-B43254F2337M000	B43254F2337M000	250	330	25.4 x 30	0.15	1.18				
871-B43254G2397M000	B43254G2397M000	250	390	30 x 25	0.15	1.31				
871-B43254G2477M000	B43254G2477M000	250	470	30 x 30	0.15	1.53				
871-B43254G2567M000	B43254G2567M000	250	560	30 x 30	0.15	1.67				
871-B43254G2687M000	B43254G2687M000	250	680	35 x 30	0.15	1.98				
871-B43254E2827M000	B43254E2827M000	250	820	30 x 40	0.15	2.23				
871-B43254E2128M000	B43254E2128M000	250	1200	30 x 60	0.15	2.92				
871-B43254A9476M000	B43254A9476M000	400	47	22 x 20	0.15	0.34				
871-B43254A9686M000	B43254A9686M000	400	68	22 x 25	0.15	0.44				
871-B43254A9107M000	B43254A9107M000	400	100	22 x 30	0.15	0.57				
871-B43254B9157M000	B43254B9157M000	400	150	25.4 x 30	0.15	0.76				
871-B43254C9227M000	B43254C9227M000	400	220	30 x 30	0.15	1.00				
871-B43254C9337M000	B43254C9337M000	400	330	35 x 30	0.15	1.33				
871-B43254A9477M000	B43254A9477M000	400	470	30 x 50	0.15	1.76				
871-B43254A5566M000	B43254A5566M000	450	56	22 x 25	0.20	0.29				
871-B43254A5686M000	B43254A5686M000	450	68	22 x 30	0.20	0.34				
871-B43254B5107M000	B43254B5107M000	450	100	25.4 x 30	0.20	0.46				
871-B43254B5127M000	B43254B5127M000	450	120	25.4 x 30	0.20	0.50				
871-B43254C5157M000	B43254C5157M000	450	150	30 x 30	0.20	0.61				
871-B43254C5187M000	B43254C5187M000	450	180	30 x 30	0.20	0.67				
871-B43254B5227M000	B43254B5227M000	450	220	30 x 35	0.20	0.78				
871-B43254B5277M000	B43254B5277M000	450	270	35 x 30	0.20	0.88				
871-B43254A5337M000	B43254A5337M000	450	330	30 x 45	0.15	1.04				
871-B43254A5397M000	B43254A5397M000	450	390	30 x 50	0.15	1.18				
871-B43254A5477M000	B43254A5477M000	450	470	35 x 45	0.15	1.34				

Epcos Aluminum Caps, Can

105°C ALUMINUM ELECTROLYTIC SNAPIN CAPACITORS - LONG LIFE 5000 HOURS

Features:

- High reliability
- High CV product
- Long load life of 5000 hours at 105°C

Applications:

- Frequency converters
- Professional power supplies in industrial electronics

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Voltage (DC)	Value (µF)	Case Size DxL (mm)	Dissipation Factor (tan δ)	Ripple Current (mA)	Price Each			
							1	10	25	50
871-B43255A2227M000	B43255A2227M000	200	220	22 x 25	0.15	0.82				
871-B43255A2277M000	B43255A2277M000	200	270	25.4 x 25	0.15	1.00				
871-B43255A2337M000	B43255A2337M000	200	330	25.4 x 30	0.15	1.18				
871-B43255A2397M000	B43255A2397M000	200	390	25.4 x 35	0.15	1.35				
871-B43255A2567M000	B43255A2567M000	200	560	30 x 35	0.15	1.76				
871-B43255A2687M000	B43255A2687M000	200	680	30 x 40	0.15	2.03				
871-B43255A2108M000	B43255A2108M000	200	1000	35 x 35	0.15	2.53				
871-B43255A2128M000	B43255A2128M000	200	1200	35 x 40	0.15	2.69				
871-B43255E2157M000	B43255E2157M000	250	150	22 x 25	0.15	0.68				
871-B43255E2187M000	B43255E2187M000	250	180	22 x 30	0.15	0.79				
871-B43255E2227M000	B43255E2227M000	250	220	25.4 x 30	0.15	0.96				
871-B43255E2337M000	B43255E2337M000	250	330	30 x 30	0.15	1.28				
871-B43255E2397M000	B43255E2397M000	250	390	30 x 35	0.15	1.47				
871-B43255E2477M000	B43255E2477M000	250	470	35 x 30	0.15	1.65				
871-B43255E2567M000	B43255E2567M000	250	560	35 x 35	0.15	1.89				
871-B43255E2687M000	B43255E2687M000	250	680	35 x 40	0.15	2.18				
871-B43255E2827M000	B43255E2827M000	250	820	35 x 45	0.15	2.50				
871-B43255E2108M000	B43255E2108M000	250	1000	35 x 50	0.15	2.87				
871-B43255A9686M000	B43255A9686M000	400	68	25.4 x 25	0.15	0.48				
871-B43255A9107M000	B43255A9107M000	400	100	25.4 x 30	0.15	0.62				
871-B43255A9157M000	B43255A9157M000	400	150	30 x 30	0.15	0.83				
871-B43255A9227M000	B43255A9227M000	400	220	35 x 30	0.15	1.08				
871-B43255A9337M000	B43255A9337M000	400	330	35 x 40	0.15	1.46				
871-B43255A9477M000	B43255A9477M000	400	470	35 x 50	0.15	1.89				
871-B43255A5476M000	B43255A5476M000	450	47	22 x 30	0.20	0.39				
871-B43255A5566M000	B43255A5566M000	450	56	25.4 x 25	0.20	0.44				
871-B43255A5826M000	B43255A5826M000	450	82	30 x 30	0.20	0.61				
871-B43255A5107M000	B43255A5107M000	450	100	30 x 30	0.20	0.68				
871-B43255A5127M000	B43255A5127M000	450	120	30 x 30	0.20	0.74				
871-B43255A5157M000	B43255A5157M000	450	150	35 x 30	0.20	0.90				
871-B43255A5187M000	B43255A5187M000	450	180	35 x 35	0.20	1.03				
871-B43255A5227M000	B43255A5227M000	450	220	35 x 40	0.20	1.19				
871-B43255A5277M000	B43255A5277M000	450	270	35 x 45	0.20	1.38				
871-B43255A5337M000	B43255A5337M000	450	330	35 x 50	0.20	1.58				

KEMET Electrolytic Capacitors

The Capacitance Company
KEMET
CHARGED.™

RoHS Compliant This product is RoHS compliant.

ELG AND ELH SERIES SNAP-IN ELECTROLYTIC CAPACITORS

Features:
• High reliability
• Low ESR
• Tolerance: 20%

Applications:
• Industrial/Professional power electronics
• Welding machine

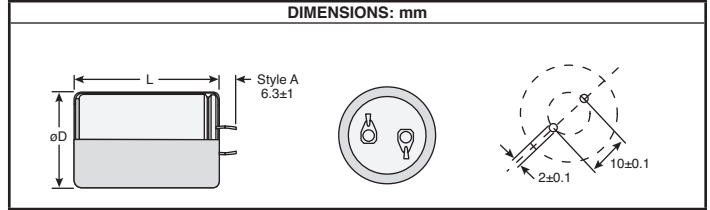
ELG Specification:
• Temperature range: -40°C to +105°C
• Motor drives traction
• Battery chargers
• S.M.P.S.

ELH Specification:
• Temperature range: -40°C to +85°C
• U.P.S.
• Inverters converters



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Case Size DxL (mm)	Volt	Value (µF)	Price Each		
Mfr.	Mfr. Part No.				1	25	50
ELG Series 105°							
80	—ELG228M063AR2AJ	25x30	63	2200			
80	—ELG108M100AR2AA	25x30	100	1000			
80	—ELG108M100VR2AA	25x30	100	1000			
80	—ELG687M200AQ6AA	22x50	200	680			
80	—ELG108M200AS4AA	30x40	200	1000			
80	—ELG108M250AT4AA	35x40	250	1000			
80	—ELG158M250AT6AA	35x50	250	1500			
80	—ELG686M400AQ1AA	22x25	400	68			
80	—ELG107M400AQ3AA	22x35	400	100			
80	—ELG157M400AQ3AA	22x35	400	150			
80	—ELG337M400AT3AA	35x35	400	330			
80	—ELG477M400AT5AA	35x45	400	470			
80	—ELG107M450AR2AA	25x30	450	100			
80	—ELG477M450AT6AA	35x50	450	470			



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Case Size DxL (mm)	Volt	Value (µF)	Price Each		
Mfr.	Mfr. Part No.				1	25	50
ELH Series 85°							
80	—ELH228M050AQ1AA	22x25	50	2200			
80	—ELH478M080AS3AA	30x35	50	4700			
80	—ELH109M050AS5AA	30x45	50	10000			
80	—ELH228M200AT5AA	35x45	200	2200			
80	—ELH686M400AQ1AA	22x25	400	68			
80	—ELH107M400AQ2AA	22x30	400	100			
80	—ELH107M400AR1AA	25x25	400	100			
80	—ELH337M400AS4AA	30x45	400	330			
80	—ELH477M400AT4AA	35x40	400	470			
80	—ELH477M400AS5AA	30x45	400	470			
80	—ELH477M450AT6AA	35x50	450	470			
80	—ELH687M450AT8AA	35x60	450	680			

ALC SERIES - SNAP-IN ELECTROLYTIC CAPACITORS

Features:
• Compact Size
• High ripple current
• Excellent surge voltage capabilities

Applications:
• High reliability
• Frequency converters
• Ideal for industrial and commercial applications

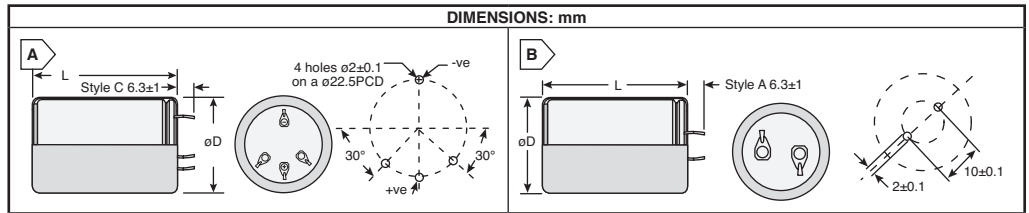
ALC10 Specification:

• Long life, 18000 hours

ALC40 Specification:

• Long life, 9000 hours

• UPS system
• Switch mode power supplies



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Case Size DxL (mm)	Volt	Value (µF)	ESR 100Hz (mΩ)	Price Each		
Mfr.	Mfr. Part No.						1	25	50
ALC10 Series									
80	—ALC10C333EF035	A	40x50	35	33000	42			
80	—ALC10A103DC040	B	35x35	40	1000	86			
80	—ALC10C103EC063	A	40x35	63	10000	80			
80	—ALC10C153EF063	A	40x50	63	15000	44			
80	—ALC10A102DF250	B	35x50	250	1000	163			
80	—ALC10C152EG250	A	40x55	250	1500	89			
80	—ALC10A331DC400	B	35x35	400	330	461			
80	—ALC10A681DH400	B	35x60	400	680	232			
80	—ALC10C102EL400	A	40x80	400	1000	120			
80	—ALC10A331DD450	B	35x40	450	330	364			
80	—ALC10C331ED450	A	40x40	450	330	348			
80	—ALC10A471DF450	B	35x50	450	470	252			
80	—ALC10A561DF450	B	35x50	450	560	266			
80	—ALC10A821DJ450	B	35x70	450	820	170			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Case Size DxL (mm)	Volt	Value (µF)	ESR 100Hz (mΩ)	Price Each		
Mfr.	Mfr. Part No.						1	25	50
ALC10 Series (Cont.)									
80	—ALC10C102EJ450	A	40x70	450	1000	142			
80	—ALC10A331DF500	B	35x50	500	330	492			
80	—ALC10A681DL500	B	35x80	500	680	244			
80	—ALC10C102EP500	A	40x105	500	1000	130			
ALC40 Series									
80	—ALC40A331CF400	B	30x50	400	330	383			
80	—ALC40A331DD400	B	35x40	400	330	386			
80	—ALC40A331DF450	B	35x50	450	330	206			
80	—ALC40A471DE400	B	35x45	400	470	300			
80	—ALC40A471DH450	B	35x60	450	470	232			
80	—ALC40A681DL400	B	35x80	400	680	200			
80	—ALC40C102EL400	A	40x80	400	1000	118			
80	—ALC40C102FL450	A	45x80	450	1000	120			
80	—ALC40C821EL450	A	40x80	450	820	154			

PEH SERIES - SNAP-IN ELECTROLYTIC CAPACITORS

PEH169/PEH200 Series

Features:
• High Performance
• Low ESR and ESL
• High stability
• High CV-value
• Compact size
• Long life > 10 years at 50°C

Applications:

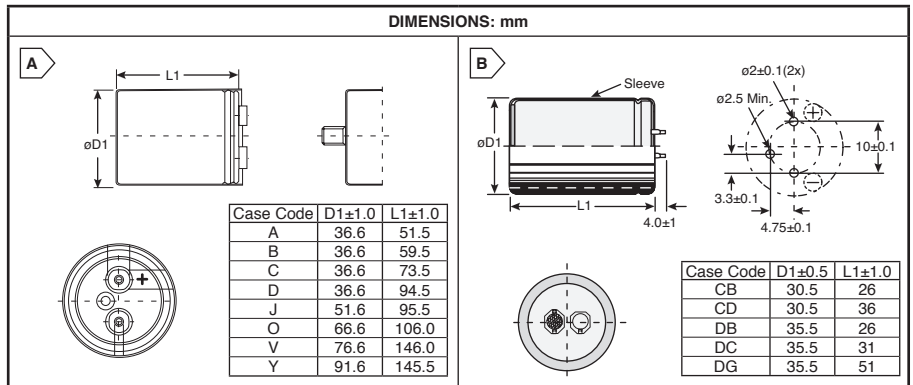
• Energy storage
• Pulse operation
• Process control
• AC-motor control
• Traction
• Welding

PEH534 Series

Features:
• Long life Grade
• PCB mounting
• Low ESR and ESL
• High ripple current
• Long life > 10 years at 50°C

Applications:

• SMPS
• Drives
• Welding equipment
• UPS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Case Code	Case Size DxL (mm)	Volt	Value (µF)	ESR 100Hz (mΩ)	Price Each		
Mfr.	Mfr. Part No.							1	25	50
PEH169 Series										
80	—PEH169MD4470QB2	A	D	35x95	63	4700	22			
80	—PEH169MJ5100QB2	A	J	50x95	63	10000	13			
80	—PEH169PJ4470QB2	A	A	50x95	100	4700	26			
80	—PEH169SV488AMB2	A	V	75x145	250	8800	15			
PEH200 Series										
80	—PEH200KB5100MB2	A	B	35x60	40	10000	23			
80	—PEH200KC5150MB2	A	C	35x75	40	15000	16			
80	—PEH200KD5220MB2	A	D	35x95	40	22000	12			
80	—PEH200KO6100MB2	A	O	65x105	40	100000	8			
80	—PEH200MA4470MB2	A	A	35x51	63	4700	32			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Case Code	Case Size DxL (mm)	Volt	Value (µF)	ESR 100Hz (mΩ)	Price Each		
Mfr.	Mfr. Part No.							1	25	50
PEH200 Series (Cont.)										
80	—PEH200MD5100MB2	A	D	35x95	63	10000	15			
80	—PEH200MJ5220MB2	A	J	50x95	63	22000	10			
80	—PEH200OQ427AMB2	A	O	65x105	420	2700	24			
80	—PEH200YY4470MB2	A	Y	90x145	420	2700	16			
PEH534 Series										
80	—PEH534VCD3220M2	B	CD	30x35	400	220	460			
80	—PEH534VCB3150M2	B	CB	30x25	420	2700	680			
80	—PEH534VDB3150M2	B	DB	35x25	450	150	570			
80	—PEH534VDC3220M2	B	DC	35x30	450	220	390			
80	—PEH534VDC3470M2	B	DG	35x50	450	470	180			

KEMET Electrolytic Capacitors and DC Link

ALUMINIUM CASE CAPACITORS

Features:

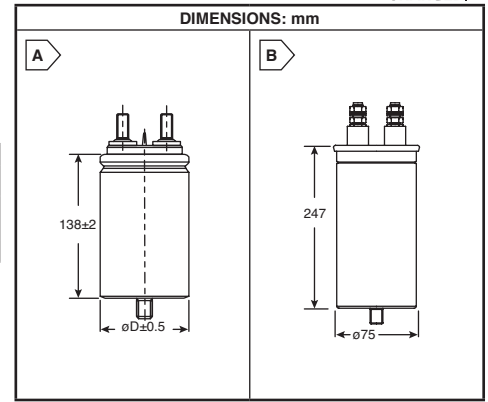
- Operating temperature range: -40°C to +85°C
- Tolerance: 5%



C44A Series General Purpose Application Screw Terminals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Fig.	Volt.	Value (µF)	ESR Typ. (mΩ)	K °C/W	IRMS	øD Dim. (mm)	Price Each			
									1	5	10	25
80-C44AFGP6200ZE0J	C44AFGP6200ZE0J	A	400	200	4	4.0	32	76				
80-C44AFGR6200ZE0J	C44AFGR6200ZE0J	A	400	200	4	7.8	32	76				
80-C44AHGP5750ZA0J	C44AHGP5750ZA0J	A	600	75	5	3.2	32	65				



C44P Series AC Filter Application

Features:

- Operating temperature range: -25°C to +70°C
- Tolerance: 5%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Fig.	Voltage	Value (µF)	IRMS (A)	Price Each			
						1	5	10	25
80-C44PKGR6200AASJ	C44PKGR6200AASJ	B	440	200	55				

KEMET Aluminum Caps, Can

ALS SERIES SCREW TERMINAL CAPACITORS

ALS Series Features:

- Compact size
- High ripple current
- Excellent surge voltage capabilities
- Optimized designs available on request

ALS40/41 Specification:

- Long life, 9000 hours at 105°C (Ur, Ir applied)

ALS Series Applications:

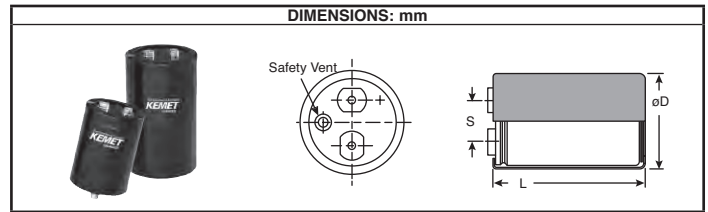
- Smoothing
- Energy storage
- Process control
- AC-motor control
- Traction
- Welding
- Measuring
- Pulse operation in telecommunication
- demanding power supplies

ALS30/31 Specification:

- Long life, 20000 hours at 85°C (Ur, Ir applied)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Volt	Dimensions: mm			ESR at 100Hz mΩ	Price Each		
		øD	L	S		1	10	25
ALS30 Series								
80-ALS30A103KE100	100	51	82	22.2	28			
80-ALS30A102KE400	400	51	82	22.2	91			
80-ALS30A152KF400	400	51	105	22.2	61			
80-ALS30A222KF400	400	51	105	22.2	53			
80-ALS30A222MF400	400	66	105	28.5	62			
80-ALS30A332LF400	400	63.5	105	28.5	54			
80-ALS30A472NJ400	400	77	115	31.8	38			
80-ALS30A682NP400	400	77	146	31.8	27			
80-ALS30A103NT400	400	77	220	31.8	17			
80-ALS30A102KE450	450	51	82	22.2	148			
80-ALS30A152KF450	450	51	105	22.2	93			
80-ALS30A222NF450	450	77	105	31.8	59			
80-ALS30A332NF450	450	77	105	31.8	40			
80-ALS30A472NJ450	450	77	115	31.8	30			
80-ALS30A682NT450	450	77	220	31.8	21			



MOUSER STOCK NO.	Volt	Dimensions: mm			ESR at 100Hz mΩ	Price Each		
		øD	L	S		1	10	25
ALS30 Series (cont.)								
80-ALS30A102KF500	500	51	105	22.2	165			
80-ALS30A222NP500	500	77	146	31.8	62			
80-ALS30A332NP500	500	77	146	31.8	54			
80-ALS30A472NT500	500	77	220	31.8	37			
80-ALS30A682NT500	500	77	220	31.8	34			
ALS31 Series								
80-ALS31A332NF400	400	77	105	31.8	49			
80-ALS31C682NT450	450	77	220	31.8	21			
ALS40 Series								
80-ALS40A104KF025	25	51	105	22.2	9			
80-ALS40A472DB063	63	36	62	12.8	27			
80-ALS40A333MF063	63	66	105	28.5	8			
80-ALS40A103KF100	100	51	105	22.2	21			
ALS41 Series								
80-ALS41A102KF400	400	51	105	22.2	124			

C44U MKP SERIES ALUMINUM CASE CAPACITORS

Features:

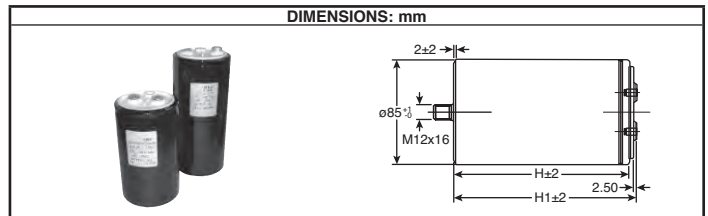
- High ripple current
- High capacitance density

Applications:

- DC links

Specifications:

- Temperature range: -40°C to +85°C
- IEC 1071, EN 61071

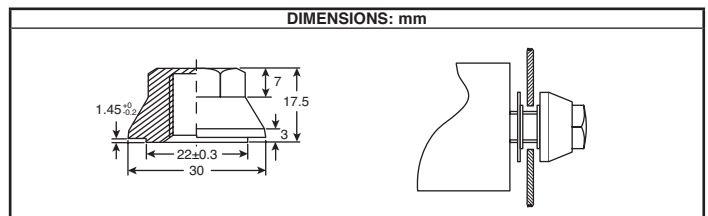


MOUSER STOCK NO.	KEMET Part No.	Volt	Value (µF)	Dimensions: mm		Thread	ESR at 100Hz mΩ	Price Each				
				H	H1			1	5	10	25	50
80-C44UQG6600F8SK	C44UQG6600F8SK	900	600	140	146	M12	2.2					
80-C44UQG6330F8SK	C44UQG6330F8SK	1100	330	140	146	M12	3					
80-C44UQG6500F8SK	C44UQG6500F8SK	1100	500	174	180	M12	1.3					
80-C44UUGQ6250F8SK	C44UUGQ6250F8SK	1300	250	140	146	M12	3.5					
80-C44UUGQ6320F8SK	C44UUGQ6320F8SK	1300	1300	174	180	M12	1.6					

SCREW TERMINAL INSULATED NYLON MOUNTING NUT


Features and Specifications:

- Standards: CECC 40201, MIL-R20E
- Resistance range: 10kΩ-47kΩ
- Resistance tolerance: ±5%
- Rated voltage: 700VDC acc. to CECC 40201-003
- Temperature range: -55°C to +105°C



MOUSER STOCK NO.	KEMET Part No.	Dimensions: mm		Test Volt 50-60Hz 1 min (KVAC)	Price Each				
		Mounting Hole (min)	Max Chassis Thickness		1	10	50	100	500
80-PYB7041	PYB7041	ø20.5	5	2.5					

NICHICON Aluminum Electrolytic Capacitors

 This product is RoHS compliant.

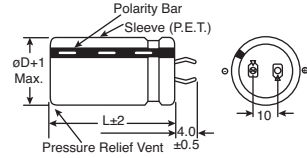
GL SERIES: SNAP-IN TERMINAL TYPE

Features:

- Withstanding 3000 hours application of rated ripple current at 105°C
- One rank smaller case sized than GU series

Specifications:

- Category Temperature Range: -40°C to +105°C
- Rated Capacitance Range: 56µF to 390µF
- Capacitance Tolerance: ±20% at 120Hz, 20°C



 RoHS Compliant
DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Cap. (µF)	Voltage	Dimensions: mm (D x L)	Rated Ripple (mA)	Leakage Current (mA)	Price Each			
							1	25	100	500
647-LGL2W121MELZ25	LGL2W121MELZ25	120	450	22 x 25	690	0.69				
647-LGL2G151MELZ25	LGL2G151MELZ25	150	400	22 x 25	730	0.73				
647-LGL2W151MELA25	LGL2W151MELA25	150	450	25 x 25	740	0.77				
647-LGL2W181MELA30	LGL2W181MELA30	180	450	25 x 30	770	0.85				
647-LGL2W221MELZ40	LGL2W221MELZ40	220	450	22 x 40	850	0.94				
647-LGL2W271MELB30	LGL2W271MELB30	270	450	30 x 30	930	1.04				
647-LGL2G331MELB25	LGL2G331MELB25	330	400	30 x 25	1040	1.08				
647-LGL2W331MELC25	LGL2W331MELC25	330	450	35 x 25	1070	1.15				
647-LGL2G391MELC25	LGL2G391MELC25	390	400	35 x 25	1180	1.18				
647-LGL2W391MELC30	LGL2W391MELC30	390	450	35 x 30	1280	1.25				
647-LGL2G471MELB35	LGL2G471MELB35	470	400	30 x 35	1500	1.3				
647-LGL2W471MELC35	LGL2W471MELC35	470	450	35 x 35	1480	1.37				
647-LGL2G561MELC30	LGL2G561MELC30	560	400	35 x 30	1660	1.41				
647-LGL2W561MELC40	LGL2W561MELC40	560	450	35 x 40	1660	1.5				

GN SERIES: SNAP-IN TERMINAL TYPE

Features:

- Withstanding 3000 hours application of rated ripple current at 105°C
- One rank smaller case sized than GU series

Specifications:

- Category Temperature Range: -40°C to +105°C
- Rated Capacitance Range: 56µF to 390µF
- Capacitance Tolerance: ±20% at 120Hz, 20°C

 RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Cap. (µF)	Voltage	Dimensions: mm (D x L)	Rated Ripple (mA)	Leakage Current (mA)	Price Each			
							1	25	100	500
647-LGN2H560MELZ25	LGN2H560MELZ25	56	500	22 x 25	470	0.50				
647-LGN2H680MELZ30	LGN2H680MELZ30	68	500	22 x 30	520	0.55				
647-LGN2H680MELA25	LGN2H680MELA25	68	500	25 x 25	520	0.55				
647-LGN2H820MELZ35	LGN2H820MELZ35	82	500	22 x 35	590	0.60				
647-LGN2H101MELB25	LGN2H101MELB25	100	500	30 x 25	650	0.67				
647-LGN2H101MELZ40	LGN2H101MELZ40	100	500	22 x 40	650	0.67				
647-LGN2H121MELZ45	LGN2H121MELZ45	120	500	22 x 45	680	0.73				
647-LGN2H121MELA35	LGN2H121MELA35	120	500	25 x 35	680	0.73				
647-LGN2H121MELB30	LGN2H121MELB30	120	500	30 x 30	680	0.73				
647-LGN2H151MELZ50	LGN2H151MELZ50	150	500	22 x 50	750	0.82				
647-LGN2H151MELA45	LGN2H151MELA45	150	500	25 x 45	750	0.82				
647-LGN2H151MELC25	LGN2H151MELC25	150	500	35 x 25	750	0.82				
647-LGN2H181MELA50	LGN2H181MELA50	180	500	25 x 50	900	0.90				
647-LGN2H181MELB35	LGN2H181MELB35	180	500	30 x 35	900	0.90				
647-LGN2H181MELC30	LGN2H181MELC30	180	500	35 x 30	900	0.90				
647-LGN2W221MELA40	LGN2W221MELA40	220	450	25 x 40	1050	0.94				
647-LGN2H221MELB45	LGN2H221MELB45	220	500	30 x 45	1020	0.99				
647-LGN2H221MELC35	LGN2H221MELC35	220	500	35 x 35	1020	0.99				
647-LGN2H271MELC40	LGN2H271MELC40	270	500	35 x 40	1120	1.10				
647-LGN2H331MELC45	LGN2H331MELC45	330	500	35 x 45	1250	1.21				
647-LGN2H391MELC50	LGN2H391MELC50	390	500	35 x 50	1300	1.32				
647-LGN2E821MELB35	LGN2E821MELB35	820	250	30 x 35	2000	1.35				
647-LGN2P102MELB35	LGN2P102MELB35	1000	220	30 x 35	2330	1.4				

GR SERIES: SNAP-IN TERMINAL TYPE

Features:

- Withstanding 10000 hours application of rated ripple current at 105°C

Specifications:

- Category Temperature Range: -40°C to +105°C
- Rated Capacitance Range: 39µ to 1500µF
- Capacitance Tolerance: ±20% at 120Hz, 20°C

 RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Cap. (µF)	Voltage	Dimensions: mm (D x L)	Rated Ripple (mA)	Leakage Current (mA)	Price Each			
							1	25	100	500
647-LGR2D681MELB35	LGR2D681MELB35	680	200	30 x 35	1700	1.1				
647-LGR2E102MELC45	LGR2E102MELC45	1000	250	35 x 45	2200	1.5				

GW SERIES: SNAP-IN TERMINAL TYPE HIGH RIPPLE CURRENT

Features:

- Withstanding 3000 hours application of rated ripple current at 105°C
- High ripple current

Specifications:

- Category Temperature Range: -40°C to +105°C
- Rated Capacitance Range: 82µ to 2200µF
- Capacitance Tolerance: ±20% at 120Hz, 20°C

 RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Cap. (µF)	Voltage	Dimensions: mm (D x L)	Rated Ripple (mA)	Leakage Current (mA)	Price Each			
							1	25	100	500
647-LGW2W101MELA25	LGW2W101MELA25	100	450	25 x 25	1040	0.63				
647-LGW2G121MELZ30	LGW2G121MELZ30	120	400	22 x 30	1220	0.65				
647-LGW2W121MELZ35	LGW2W121MELZ35	120	450	22 x 35	1150	0.69				
647-LGW2G181MELA30	LGW2G181MELA30	180	400	25 x 30	1430	0.8				
647-LGW2G221MELB30	LGW2G221MELB30	220	400	30 x 30	1790	0.88				
647-LGW2W221MELA45	LGW2W221MELA45	220	450	25 x 45	1550	0.94				
647-LGW2W221MELB35	LGW2W221MELB35	220	450	30 x 35	1710	0.94				
647-LGW2E331MELA25	LGW2E331MELA25	330	250	25 x 25	1800	0.86				
647-LGW2G331MELB40	LGW2G331MELB40	330	400	30 x 40	2330	1.08				
647-LGW2G391MELB45	LGW2G391MELB45	390	400	30 x 45	2520	1.18				
647-LGW2W391MELC40	LGW2W391MELC40	390	450	35 x 40	2420	1.25				
647-LGW2D471MELA25	LGW2D471MELA25	470	200	25 x 25	2170	0.91				
647-LGW2D471MELZ30	LGW2D471MELZ30	470	200	22 x 30	2170	0.91				
647-LGW2E471MELB25	LGW2E471MELB25	470	250	30 x 25	2200	1.02				
647-LGW2G471MELB50	LGW2G471MELB50	470	400	30 x 50	2850	1.3				
647-LGW2G471MELC40	LGW2G471MELC40	470	400	35 x 40	2850	1.3				
647-LGW2W471MELC45	LGW2W471MELC45	470	450	35 x 45	2670	1.37				
647-LGW2D681MELB25	LGW2D681MELB25	680	200	30 x 25	3080	1.1				
647-LGW2D681MELZ40	LGW2D681MELZ40	680	200	22 x 40	2300	1.1				
647-LGW2E681MELB30	LGW2E681MELB30	680	250	30 x 30	2550	1.23				
647-LGW2E122MELC40	LGW2E122MELC40	1200	250	35 x 40	3450	1.64				
647-LGW2D152MELC35	LGW2D152MELC35	1500	200	35 x 35	4200	1.64				

NICHICON Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

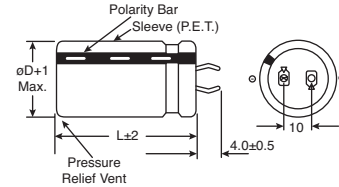
GU SERIES: SNAP-IN TERMINAL TYPE

Features:

- Withstanding 3000 hours application of rated ripple current at 105°C

Specifications:

- Category Temperature Range: -40°C to +105°C
- Rated Capacitance Range: 47μ to 47000μF
- Capacitance Tolerance: ±20% at 120Hz, 20°C



RoHS Compliant

DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Cap. (μF)	Voltage	Dimensions: mm (D x L)	Rated Ripple (mA)	Leakage Current (mA)	Price Each		
							1	25	100
647-LGU2G560MELY	LGU2G560MELY	56	400	20 x 25	510	0.44			
647-LGU2W680MELY	LGU2W680MELY	68	450	20 x 35	560	0.52			
647-LGU2G820MELY	LGU2G820MELY	82	400	20 x 30	640	0.54			
647-LGU2W820MELZ	LGU2W820MELZ	82	450	22 x 30	640	0.57			
647-LGU2G101MELY	LGU2G101MELY	100	400	20 x 35	700	0.60			
647-LGU2W101MELY	LGU2W101MELY	100	450	20 x 45	690	0.63			
647-LGUW6101MELZ	LGUW6101MELZ	100	420	22 x 30	700	0.61			
647-LGU2G121MELZ	LGU2G121MELZ	120	400	22 x 35	750	0.65			
647-LGU2W121MELY	LGU2W121MELY	120	450	20 x 50	750	0.69			
647-LGUW6121MELA	LGUW6121MELA	120	420	25 x 30	750	0.67			
647-LGU2G151MELZ	LGU2G151MELZ	150	400	22 x 40	880	0.73			
647-LGU2W151MELZ	LGU2W151MELZ	150	450	22 x 45	880	0.77			
647-LGUW6151MELY	LGUW6151MELY	150	420	20 x 50	880	0.75			
647-LGU2E181MELY	LGU2E181MELY	180	250	20 x 30	900	0.63			
647-LGU2G181MELZ	LGU2G181MELZ	180	400	22 x 45	980	0.80			
647-LGU2W181MELZ	LGU2W181MELZ	180	450	22 x 50	1000	0.85			
647-LGU2E221MELY	LGU2E221MELY	220	250	20 x 30	1000	0.70			
647-LGU2G221MELZ	LGU2G221MELZ	220	400	22 x 50	1100	0.88			
647-LGU2P221MELZ	LGU2P221MELZ	220	220	22 x 25	1000	0.66			
647-LGU2W221MELA	LGU2W221MELA	220	450	25 x 45	1120	0.94			
647-LGUW6221MELC	LGUW6221MELC	220	420	35 x 25	1100	0.91			
647-LGU2C271MELY	LGU2C271MELY	270	160	20 x 25	1100	0.62			
647-LGU2D271MELY	LGU2D271MELY	270	200	20 x 30	1100	0.69			
647-LGU2E271MELY	LGU2E271MELY	270	250	20 x 35	1100	0.77			
647-LGU2G271MELC	LGU2G271MELC	270	400	35 x 30	1220	0.98			
647-LGU2W271MELB	LGU2W271MELB	270	450	30 x 40	1280	1.04			
647-LGU2D331MELY	LGU2D331MELY	330	200	20 x 35	1200	0.77			
647-LGU2E331MELY	LGU2E331MELY	330	250	20 x 40	1200	0.86			
647-LGU2G331MELA	LGU2G331MELA	330	400	25 x 50	1440	1.08			
647-LGU2W331MELB	LGU2W331MELB	330	400	30 x 40	1440	1.08			
647-LGU2G331MELB	LGU2G331MELB	330	400	30 x 40	1440	1.08			
647-LGU2W331MELB	LGU2W331MELB	330	450	30 x 50	1450	1.15			
647-LGUW6331MELC	LGUW6331MELC	330	420	35 x 35	1450	1.11			
647-LGU2C391MELZ	LGU2C391MELZ	390	160	22 x 25	1300	0.74			
647-LGU2D391MELA	LGU2D391MELA	390	200	25 x 25	1350	0.83			
647-LGU2G391MELB	LGU2G391MELB	390	400	30 x 45	1600	1.18			
647-LGU2W391MELC	LGU2W391MELC	390	450	35 x 40	1500	1.25			
647-LGU2Z391MELZ	LGU2Z391MELZ	390	180	22 x 30	1350	0.79			
647-LGUW6391MELC	LGUW6391MELC	390	420	35 x 40	1550	1.21			
647-LGU2C471MELZ	LGU2C471MELZ	470	160	22 x 30	1550	0.82			
647-LGU2D471MELZ	LGU2D471MELZ	470	200	22 x 35	1500	0.91			
647-LGU2E471MELA	LGU2E471MELA	470	250	25 x 40	1650	1.02			
647-LGU2G471MELB	LGU2G471MELB	470	400	30 x 50	1900	1.30			
647-LGU2Z471MELA	LGU2Z471MELA	470	180	25 x 30	1500	0.87			
647-LGUW6471MELC	LGUW6471MELC	470	420	35 x 45	1900	1.33			
647-LGU2C561MELY	LGU2C561MELY	560	160	20 x 40	1500	0.89			
647-LGU2D561MELZ	LGU2D561MELZ	560	200	22 x 40	1670	1.00			
647-LGU2E561MELB	LGU2E561MELB	560	250	30 x 35	1800	1.12			
647-LGU2G561MELC	LGU2G561MELC	560	400	35 x 45	2120	1.41			
647-LGU2D681MELZ	LGU2D681MELZ	680	200	22 x 45	1780	1.10			
647-LGU2E681MELA	LGU2E681MELA	680	250	25 x 50	2000	1.23			
647-LGU2D821MELC	LGU2D821MELC	820	200	35 x 25	2040	1.21			
647-LGU2Z821MELZ	LGU2Z821MELZ	820	180	22 x 50	2040	1.15			
647-LGU2A102MELZ	LGU2A102MELZ	1000	100	22 x 30	1540	0.94			
647-LGU2C102MELA	LGU2C102MELA	1000	160	25 x 40	2250	1.20			
647-LGU2E102MELB	LGU2E102MELB	1000	250	30 x 50	2470	1.50			
647-LGU2D122MELB	LGU2D122MELB	1200	200	30 x 40	2650	1.46			
647-LGU2E122MELC	LGU2E122MELC	1200	250	35 x 45	2600	1.64			
647-LGU2Z122MELB	LGU2Z122MELB	1200	180	30 x 40	2550	1.39			
647-LGU2D152MELB	LGU2D152MELB	1500	200	30 x 50	3080	1.64			
647-LGU2D152MELC	LGU2D152MELC	1500	200	35 x 40	3080	1.64			
647-LGU2E152MELC	LGU2E152MELC	1500	250	35 x 50	3000	1.83			
647-LGU2Z152MELB	LGU2Z152MELB	1500	180	30 x 45	2900	1.55			
647-LGU2C222MELC	LGU2C222MELC	2200	160	35 x 45	3500	1.77			
647-LGU2D222MELC	LGU2D222MELC	2200	200	35 x 50	3780	1.98			
647-LGU1H272MELA	LGU1H272MELA	2700	50	25 x 25	1700	1.10			
647-LGU2C272MELC	LGU2C272MELC	2700	160	35 x 50	4000	1.97			
647-LGU1V332MELZ	LGU1V332MELZ	3300	35	22 x 25	1450	1.01			
647-LGU1H472MELA	LGU1H472MELA	4700	50	25 x 35	2610	1.45			
647-LGU1V472MELA	LGU1V472MELA	4700	35	25 x 25	1780	1.21			
647-LGU1V682MELA	LGU1V682MELA	6800	35	25 x 35	2310	1.46			
647-LGU1J103MELC	LGU1J103MELC	10000	63	35 x 50	4690	2.38			

Nichicon Aluminum Caps, Can

UNITED CHEMI-CON Aluminum Electrolytic Capacitors



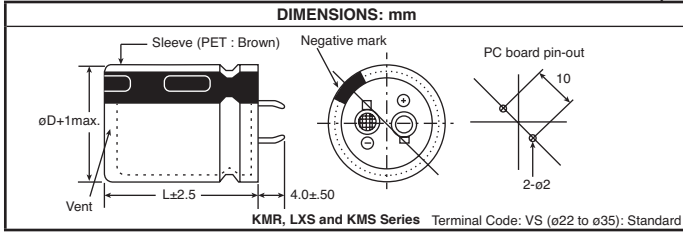
NEW FROM UCC

Aluminum Caps, Can UCC

NEW FROM UCC

NEW FROM UCC

This product is RoHS compliant.



KMR 105°C SNAP MOUNT LARGE CAPACITANCE SERIES

- Features:**
- Downsized 5mm in height from current snap-ins KMQ series
 - Max. 50% up ripple current than same case size of KMQ series
 - For inverter control, switching power supplies
- Specifications:**
- Operating Temperature range: -25°C to +105°C
 - Rated lifetime: 2,000 hours @ 105°C

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Size øDxL(mm)	Price Each		
				1	25	50
16 Volt						
661-EKMR161VS561MP25	EKMR161VSN561MP25S	560	22x25			
661-EKMR161VS821MP35	EKMR161VSN821MP35S	820	22x35			
661-EKMR161VS102MP40	EKMR161VSN102MP40S	1000	22x40			
661-EKMR161VS122MP45	EKMR161VSN122MP45S	1200	22x45			
661-EKMR161VS152MQ40	EKMR161VSN152MQ40S	1500	25.4x45			
661-EKMR161VS182MQ50	EKMR161VSN182MQ50S	1800	25.4x50			
661-EKMR161VS222MR45	EKMR161VSN222MR45S	2200	30x45			
661-EKMR161VS322MA45	EKMR161VSN322MA45S	3300	35x45			
200 Volt						
661-EKMR201VSN681MP35	EKMR201VSN681MP35S	680	22x35			
661-EKMR201VS272MA45	EKMR201VSN272MA45S	2700	35x45			
250 Volt						
661-EKMR251VS391MP30	EKMR251VSN391MP30S	390	22x30			
661-EKMR251VS471MP35	EKMR251VSN471MP35S	470	22x35			
661-EKMR251VS561MP40	EKMR251VSN561MP40S	560	22x40			
661-EKMR251VS681MP45	EKMR251VSN681MP45S	680	22x45			
661-EKMR251VS821MP50	EKMR251VSN821MP50S	820	30x50			
661-EKMR251VS102MQ50	EKMR251VSN102MQ50S	1000	25.4x50			
661-EKMR251VS122MR40	EKMR251VSN122MR40S	1200	30x40			
661-EKMR251VS152MR50	EKMR251VSN152MR50S	1500	30x50			
661-EKMR251VS182MA45	EKMR251VSN182MA45S	1800	35x45			
661-EKMR251VS222MA50	EKMR251VSN222MA50S	2200	35x50			
350 Volt						
661-EKMR351VS221MP30	EKMR351VSN221MP30S	220	22x30			
661-EKMR351VS271MP35	EKMR351VSN271MP35S	270	22x35			
661-EKMR351VS331MP45	EKMR351VSN331MP45S	330	22x45			
661-EKMR351VS391MP50	EKMR351VSN391MP50S	390	22x50			
661-EKMR351VS471MQ45	EKMR351VSN471MQ45S	470	25.4x45			
661-EKMR351VS561MQ50	EKMR351VSN561MQ50S	560	25.4x50			
661-EKMR351VS681MR45	EKMR351VSN681MR45S	680	30x45			
661-EKMR351VS821MR50	EKMR351VSN821MR50S	820	30x50			
661-EKMR351VS102MA45	EKMR351VSN102MA45S	1000	35x45			
661-EKMR351VS122MA50	EKMR351VSN122MA50S	1200	35x50			
420 Volt						
661-EKMR421VS391MQ50	EKMR421VSN391MQ50S	390	25.4x50			
661-EKMR421VS821MA50	EKMR421VSN821MA50S	820	35x50			
450 Volt						
661-EKMR451VS101MP25	EKMR451VSN101MP25S	100	22x25			
661-EKMR451VS121MP30	EKMR451VSN121MP30S	120	22x30			
661-EKMR451VS151MP35	EKMR451VSN151MP35S	150	22x35			
661-EKMR451VS181MP40	EKMR451VSN181MP40S	180	22x40			
661-EKMR451VS221MP45	EKMR451VSN221MP45S	220	22x45			
661-EKMR451VS271MP50	EKMR451VSN271MP50S	270	22x50			
661-EKMR451VS331MQ50	EKMR451VSN331MQ50S	330	25.4x50			
661-EKMR451VS681MA50	EKMR451VSN681MA50S	680	35x50			

LXS 105°C SNAP MOUNT LARGE CAPACITANCE SERIES

- Features:**
- Downsized from LXQ series
 - Non solvent resistant type
- Specifications:**
- Operating Temperature range: -25°C to +105°C
 - Rated lifetime: 5,000 hours @ 105°C

160 Volt						
661-ELXS161VSN471MP25	ELXS161VSN471MP25S	470	22x25			
661-ELXS161VSN681MQ25	ELXS161VSN681MQ25S	680	25.4x25			
661-ELXS161VSN102MP40	ELXS161VSN102MP40S	1000	22x40			
661-ELXS161VSN122MP50	ELXS161VSN122MP50S	1200	22x50			
661-ELXS161VSN152MQ45	ELXS161VSN152MQ45S	1500	25.4x45			
661-ELXS161VSN182MQ50	ELXS161VSN182MQ50S	1800	25.4x50			
661-ELXS161VSN222MR45	ELXS161VSN222MR45S	2200	30x45			
661-ELXS161VSN272MA4	ELXS161VSN272MA40S	2700	35x40			
661-ELXS161VSN332MA5	ELXS161VSN332MA50S	3300	35x50			
180 Volt						
661-ELXS181VSN391MP25	ELXS181VSN391MP25S	390	22x25			
661-ELXS181VSN561MP30	ELXS181VSN561MP30S	560	22x30			
661-ELXS181VSN681MP35	ELXS181VSN681MP35S	680	22x35			
661-ELXS181VSN821MP30	ELXS181VSN821MP30S	820	25.4x30			
661-ELXS181VSN102MP4	ELXS181VSN102MP45S	1000	22x45			
661-ELXS181VSN122MQ4	ELXS181VSN122MQ45S	1200	25.4x45			
661-ELXS181VSN152MQ5	ELXS181VSN152MQ50S	1500	25.4x50			
661-ELXS181VSN182MA3	ELXS181VSN182MA35S	1800	35x35			
661-ELXS181VSN222MA4	ELXS181VSN222MA40S	2200	35x40			
661-ELXS181VSN272MA5	ELXS181VSN272MA50S	2700	35x50			
200 Volt						
661-ELXS201VSN391MP25	ELXS201VSN391MP25S	390	22x25			
661-ELXS201VSN471MP30	ELXS201VSN471MP30S	470	22x30			
661-ELXS201VSN561MP35	ELXS201VSN561MP35S	560	22x35			
661-ELXS201VSN681MP40	ELXS201VSN681MP40S	680	22x40			
661-ELXS201VSN821MP4	ELXS201VSN821MP45S	820	22x45			
661-ELXS201VSN102MP5	ELXS201VSN102MP50S	1000	22x50			

LXS 105°C SNAP MOUNT LARGE CAPACITANCE SERIES (CONT.)

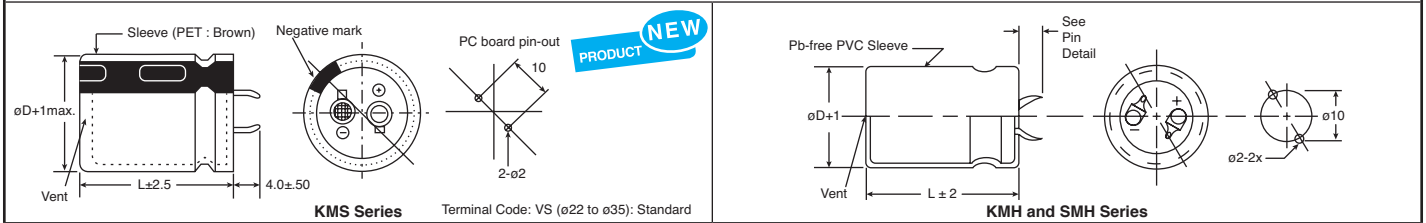
MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Size øDxL(mm)	Price Each		
				1	25	50
200 Volt (Cont.)						
661-ELXS201VSN122MQ45	ELXS201VSN122MQ45S	1200	25.4x45			
661-ELXS201VSN152MR4	ELXS201VSN152MR40S	1500	30x40			
661-ELXS201VSN182MR5	ELXS201VSN182MR50S	1800	30x50			
661-ELXS201VSN222MA4	ELXS201VSN222MA45S	2200	35x45			
661-ELXS201VSN272MA5	ELXS201VSN272MA50S	2700	35x50			
250 Volt						
661-ELXS251VSN271MP2	ELXS251VSN271MP25S	270	22x25			
661-ELXS251VSN331MP3	ELXS251VSN331MP30S	330	22x30			
661-ELXS251VSN391MP3	ELXS251VSN391MP35S	390	22x35			
661-ELXS251VSN471MP4	ELXS251VSN471MP40S	470	22x40			
661-ELXS251VSN561MR2	ELXS251VSN561MR25S	560	30x25			
661-ELXS251VSN681MP5	ELXS251VSN681MP50S	680	22x50			
661-ELXS251VSN821MQ5	ELXS251VSN821MQ50S	820	25.4x50			
661-ELXS251VSN102MR4	ELXS251VSN102MR40S	1000	30x40			
661-ELXS251VSN122MR4	ELXS251VSN122MR45S	1200	30x45			
661-ELXS251VSN152MA4	ELXS251VSN152MA45S	1500	35x45			
661-ELXS251VSN182MA5	ELXS251VSN182MA50S	1800	35x50			
315 Volt						
661-ELXS315VSN122MA5	ELXS315VSN122MA50S	1200	35x50			
661-ELXS315VSN102MA4	ELXS315VSN102MA45S	120	35x45			
661-ELXS315VSN181MP2	ELXS315VSN181MP25S	180	22x25			
661-ELXS315VSN221MP3	ELXS315VSN221MP30S	220	22x30			
661-ELXS315VSN221MQ2	ELXS315VSN221MQ25S	220	25.4x25			
661-ELXS315VSN271MP3	ELXS315VSN271MP35S	270	22x35			
661-ELXS315VSN271MQ3	ELXS315VSN271MQ30S	270	25.4x30			
661-ELXS315VSN331MP4	ELXS315VSN331MP40S	330	22x40			
661-ELXS315VSN331MR2	ELXS315VSN331MR25S	330	30x25			
661-ELXS315VSN391MP5	ELXS315VSN391MP50S	390	22x50			
661-ELXS315VSN391MQ3	ELXS315VSN391MQ35S	390	25.4x35			
661-ELXS315VSN471MQ4	ELXS315VSN471MQ40S	470	25.4x40			
661-ELXS315VSN561MQ5	ELXS315VSN561MQ50S	560	25.4x50			
661-ELXS315VSN681MR4	ELXS315VSN681MR40S	680	30x40			
661-ELXS315VSN821MR5	ELXS315VSN821MR50S	820	30x50			
400 Volt						
661-ELXS400VSN331MQ4	ELXS400VSN331MQ40S	330	25.4x40			
661-ELXS400VSN471MR4	ELXS400VSN471MR40S	470	30x40			
661-ELXS400VSN121MP2	ELXS400VSN121MP25S	120	22x25			
661-ELXS400VSN151MP3	ELXS400VSN151MP30S	150	22x30			
661-ELXS400VSN181MP3	ELXS400VSN181MP35S	180	22x35			
661-ELXS400VSN221MP4	ELXS400VSN221MP40S	220	22x40			
661-ELXS400VSN271MP4	ELXS400VSN271MP45S	270	22x45			
661-ELXS400VSN391MQ5	ELXS400VSN391MQ50S	390	25.4x50			
661-ELXS400VSN561MR4	ELXS400VSN561MR45S	560	30x45			
661-ELXS400VSN681MA4	ELXS400VSN681MA45S	680	35x45			
661-ELXS400VSN821MA5	ELXS400VSN821MA50S	820	35x50			
420 Volt						
661-ELXS420VSN271MQ4	ELXS420VSN271MQ40S	270	25.4x40			
661-ELXS420VSN561MA4	ELXS420VSN561MA45S	560	35x45			
661-ELXS420VSN101MP2	ELXS420VSN101MP25S	100	22x25			
661-ELXS420VSN121MP3	ELXS420VSN121MP30S	120	22x30			
661-ELXS420VSN151MP3	ELXS420VSN151MP35S	150	22x35			
661-ELXS420VSN181MP4	ELXS420VSN181MP40S	180	22x40			
661-ELXS420VSN221MP4	ELXS420VSN221MP45S	220	22x45			
661-ELXS420VSN271MP4	ELXS420VSN271MP45S	270	22x45			
661-ELXS420VSN391MQ5	ELXS420VSN391MQ50S	390	25.4x50			
661-ELXS420VSN391MR4	ELXS420VSN391MR40S	390	30x40			
661-ELXS420VSN471MR5	ELXS420VSN471MR50S	470	30x50			
661-ELXS420VSN681MA5	ELXS420VSN681MA50S	680	35x50			
450 Volt						
661-ELXS450VSN561MA5	ELXS450VSN561MA50S	560	35x50			
661-ELXS450VSN391MR4	ELXS450VSN391MR45S	390	30x45			
661-ELXS450VSN121MP3	ELXS450VSN121MP30S	120	22x30			
661-ELXS450VSN151MP4	ELXS450VSN151MP40S	150	22x40			
661-ELXS450VSN181MP4	ELXS450VSN181MP45S	180	22x45			
661-ELXS450VSN221MP5	ELXS450VSN221MP50S	220	22x50			
661-ELXS450VSN271MQ5	ELXS450VSN271MQ50S	270	25.4x50			
661-ELXS450VSN331MR4	ELXS450VSN331MR40S	330	30x40			
661-ELXS450VSN471MA4	ELXS450VSN47					

UNITED CHEMI-CON Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm



KMS 105°C SNAP MOUNT LARGE CAPACITANCE SERIES (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Size (mm) $\phi D \times L$	Price Each		
				1	25	50
315 Volt						
661-EKMS3B1V271MP35S	EKMS3B1VSN271MP35S	270	22x35			
661-EKMS3B1V391MP45S	EKMS3B1VSN391MP45S	390	22x45			
661-EKMS3B1V561MQ45S	EKMS3B1VSN561MQ45S	560	25.4x45			
661-EKMS3B1V681MR40S	EKMS3B1VSN681MR40S	680	30x40			
661-EKMS3B1V821MR45S	EKMS3B1VSN821MR45S	820	30x45			
661-EKMS3B1V102MA45S	EKMS3B1VSN102MA45S	1000	35x45			
661-EKMS3B1V122MA50S	EKMS3B1VSN122MA50S	1200	35x50			
400 Volt						
661-EKMS401V121MP25S	EKMS401VSN121MP25S	120	22x25			
661-EKMS401V151MP30S	EKMS401VSN151MP30S	150	22x30			
661-EKMS401V181MP35S	EKMS401VSN181MP35S	180	22x35			
661-EKMS401V221MP40S	EKMS401VSN221MP40S	220	22x40			
661-EKMS401V271MP45S	EKMS401VSN271MP45S	270	22x45			
661-EKMS401V331MP50S	EKMS401VSN331MP50S	330	22x50			
661-EKMS401V391MQ45S	EKMS401VSN391MQ45S	390	25.4x45			
661-EKMS401V471MR40S	EKMS401VSN471MR40S	470	30x40			
661-EKMS401V681MA40S	EKMS401VSN681MA40S	680	35x40			
661-EKMS401V821MA50S	EKMS401VSN821MA50S	820	35x50			
450 Volt						
661-EKMS451V561MA50S	EKMS451VSN561MA50S	560	35x50			
500 Volt						
661-EKMS501V470MP25S	EKMS501VSN470MP25S	47	22x25			
661-EKMS501V560MP30S	EKMS501VSN560MP30S	56	22x30			
661-EKMS501V680MQ25S	EKMS501VSN680MQ25S	68	25.4x25			
661-EKMS501V820MP35S	EKMS501VSN820MP35S	82	22x35			
661-EKMS501V101MP45S	EKMS501VSN101MP45S	100	22x45			
661-EKMS501V121MP50S	EKMS501VSN121MP50S	120	22x50			
661-EKMS501V151MQ45S	EKMS501VSN151MQ45S	150	25.4x45			
661-EKMS501V181MQ50S	EKMS501VSN181MQ50S	180	25.4x50			
661-EKMS501V221MR45S	EKMS501VSN221MR45S	220	30x45			
661-EKMS501V271MR50S	EKMS501VSN271MR50S	270	30x50			
661-EKMS501V331MA45S	EKMS501VSN331MA45S	330	35x45			
661-EKMS501V391MA50S	EKMS501VSN391MA50S	390	35x50			
661-EKMS501V471MA60S	EKMS501VSN471MA60S	470	35x60			

KMH 105°C SNAP MOUNT HIGH CAPACITANCE SERIES

The KMH series are the standard 105°C, large capacitance, snap-in capacitors. The very high CV values and ripple current capabilities make these capacitors ideal for use in power supply filter circuits. The standard KMH capacitors are non-solvent proof and are not recommended when halogenated cleaning solvents are used.

Specifications:

- Operating temperature range: -40°C to +105°C for 6.3VDC to 100VDC, -25°C to +105°C for 160VDC to 450VDC
- Rated lifetime: 2,000 hours @ +105°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each			
				1	50	100	500
16 Volt							
661-EKMH160VNN223MQ	EKMH160VNN223MQ45T	22000	0.03				
661-EKMH160VNN223MR	EKMH160VNN223MR35T	22000	0.03				
25 Volt							
661-EKMH250VNN223MR	EKMH250VNN223MR45T	22000	0.023				
661-EKMH250VNN273MA	EKMH250VNN273MA45T	27000	0.018				
661-EKMH250VNN333MA	EKMH250VNN333MA50T	33000	0.015				
35 Volt							
661-EKMH350VNN682MQ	EKMH350VNN682MQ35T	6800	0.061				
661-EKMH350VNN103MR	EKMH350VNN103MR35T	10000	0.041				
661-EKMH350VNN123MQ	EKMH350VNN123MQ50T	12000	0.035				
661-EKMH350VNN333MA	EKMH350VNN333MA63T	33000	0.012				
50 Volt							
661-EKMH500VNN472MR	EKMH500VNN472MR30T	4700	0.071				
661-EKMH500VNN682MR	EKMH500VNN682MR40T	6800	0.049				
661-EKMH500VNN822MA	EKMH500VNN822MA35T	8200	0.04				
63 Volt							
661-EKMH630VNN272MR	EKMH630VNN272MR25T	2700	0.092				
661-EKMH630VNN472MQ	EKMH630VNN472MQ50T	4700	0.053				
661-EKMH630VNN472MR	EKMH630VNN472MR40T	4700	0.053				
661-EKMH630VNN562MR	EKMH630VNN562MR45T	5600	0.044				
661-EKMH630VNN682MR	EKMH630VNN682MR50T	6800	0.037				
661-EKMH630VNN103MA	EKMH630VNN103MA50T	10000	0.025				
80 Volt							
661-EKMH800VNN392MA	EKMH800VNN392MA35T	3900	0.064				
661-EKMH800VNN472MR	EKMH800VNN472MR50T	4700	0.053				
100 Volt							
661-EKMH101VNN222MR	EKMH101VNN222MR40T	2200	0.113				
661-EKMH101VNN392MA	EKMH101VNN392MA45T	3900	0.064				
200 Volt							
661-EKMH201VNN471MQ	EKMH201VNN471MQ30T	470	0.353				
661-EKMH201VNN681MA	EKMH201VNN681MA25T	680	0.366				
661-EKMH201VNN821MQ	EKMH201VNN821MQ50T	820	0.202				
661-EKMH201VNN102MR	EKMH201VNN102MR45T	1000	0.166				

KMH 105°C SNAP MOUNT HIGH CAPACITANCE SERIES (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each			
				1	50	100	500
200 Volt (Cont.)							
661-EKMH201VNN102MA	EKMH201VNN102MA35T	1000	0.249				
661-EKMH201VNN122MR	EKMH201VNN122MR50T	1200	0.138				
661-EKMH201VNN122MA	EKMH201VNN122MA40T	1200	0.207				
661-EKMH201VNN182MA	EKMH201VNN182MA50T	1800	0.138				
250 Volt							
661-EKMH251VNN221MQ	EKMH251VNN221MQ25T	220	0.753				
661-EKMH251VNN331MQ	EKMH251VNN331MQ30T	330	0.502				
661-EKMH251VNN471MQ	EKMH251VNN471MQ40T	470	0.353				
661-EKMH251VNN471MR	EKMH251VNN471MR30T	470	0.353				
661-EKMH251VNN561MR	EKMH251VNN561MR35T	560	0.296				
661-EKMH251VNN561MA	EKMH251VNN561MA30T	560	0.444				
661-EKMH251VNN681MR	EKMH251VNN681MR40T	680	0.244				
661-EKMH251VNN821MA	EKMH251VNN821MA35T	820	0.303				
661-EKMH251VNN102MA	EKMH251VNN102MA40T	1000	0.249				
400 Volt							
661-EKMH401VNN820MQ	EKMH401VNN820MQ25T	82	3.032				
661-EKMH401VNN121MQ	EKMH401VNN121MQ30T	120	2.072				
661-EKMH401VNN181MQ	EKMH401VNN181MQ35T	180	1.381				
661-EKMH401VNN181MR	EKMH401VNN181MR30T	180	1.381				
661-EKMH401VNN221MQ	EKMH401VNN221MQ45T	220	1.13				
661-EKMH401VNN221MR	EKMH401VNN221MR35T	220	1.13				
661-EKMH401VNN331MR	EKMH401VNN331MR45T	330	0.753				
661-EKMH401VNN331MA	EKMH401VNN331MA35T	330	0.753				
661-EKMH401VNN391MA	EKMH401VNN391MA40T	390	0.638				
661-EKMH401VNN471MA	EKMH401VNN471MA45T	470	0.529				
661-EKMH401VNN102MA	EKMH401VNN102MA50T	1000	0.249				
450 Volt							
661-EKMH451VNN181MR	EKMH451VNN181MR35T	180	1.381				
661-EKMH451VNN221MQ	EKMH451VNN221MQ50T	220	1.13				
661-EKMH451VNN221MR	EKMH451VNN221MR40T	220	1.13				
661-EKMH451VNN221MA	EKMH451VNN221MA30T	220	1.13				
661-EKMH451VNN331MR	EKMH451VNN331MR50T	330	0.753				
661-EKMH451VNN331MA	EKMH451VNN331MA40T	330	0.753				

SMH 85°C SNAP MOUNT HIGH CAPACITANCE SERIES

The SMH series are the standard 85°C, large capacitance, snap-in capacitors. The very high CV values and ripple current capabilities make these capacitors ideal for use in power supply filter circuits. The standard SMH capacitors are non-solvent proof and are not recommended when halogenated cleaning solvents are used.

Specifications:

- Operating Temperature range: -40°C to +85°C for 6.3VDC to 100VDC, -25°C to +85°C for 160VDC to 450VDC
- Rated lifetime: 2,000 hours @ +85°C

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each			
				1	50	100	500
16 Volt							
661-ESMH160VNN123MQ	ESMH160VNN123MQ25T	12000	0.055				
25 Volt							
661-ESMH250VNN153MQ	ESMH250VNN153MQ40T	15000	0.033				
661-ESMH250VNN223MR	ESMH250VNN223MR45T	22000	0.023				
35 Volt							
661-ESMH350VNN472MQ	ESMH350VNN472MQ25T	4700	0.088				
661-ESMH350VNN153MA	ESMH350VNN153MA35T	15000	0.028				
50 Volt							
661-ESMH500VNN332MQ	ESMH500VNN332MQ25T	3300	0.1				
661-ESMH500VNN822MR	ESMH500VNN822MR40T	8200	0.04				
661-ESMH500VNN183MA	ESMH500VNN183MA50T	18000	0.018				
63 Volt							
661-ESMH630VNN682MR	ESMH630VNN682MR40T	6800	0.037				
661-ESMH630VNN123MA	ESMH630VNN123MA45T	12000	0.021				
80 Volt							
661-ESMH800VNN332MQ	ESMH800VNN332MQ40T	3300	0.075				
661-ESMH800VNN472MA	ESMH800VNN472MA30T	4700	0.053				
100 Volt							
661-ESMH101VNN562MA	ESMH101VNN562MA45T	5600	0.044				
200 Volt							
661-ESMH201VNN102MR	ESMH201VNN102MR40T	1000	0.166				
661-ESMH201VNN102MA	ESMH201VNN102MA30T	1000	0.249				
661-ESMH201VNN152MA	ESMH201VNN152MA40T	1500	0.166				
661-ESMH201VNN182MA	ESMH201VNN182MA45T	1800	0.138				
661-ESMH201VNN222MA	ESMH201VNN222MA50T	2200	0.113				
250 Volt							
661-ESMH251VNN561MQ	ESMH251VNN561MQ40T	560	0.296				
661-ESMH251VNN102MA	ESMH251VNN102MA40T	1000	0.249				
400 Volt							
661-ESMH401VNN471MA	ESMH401VNN471MA40T	470	0.529				
661-ESMH401VNN561MA	ESMH401VNN561MA45T	560	0.444				
661-ESMH401VNN561MR	ESMH401VNN561MR50T	560	0.444				
661-ESMH401VNN681MA	ESMH401VNN681MA50T	680	0.366				
450 Volt							
661-ESMH451VNN181MA	ESMH451						



104 PHL-ST SERIES

105°C POWER HIGH RIPPLE CURRENT LONG LIFE SCREW TERMINAL

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (µF)	Volt	Case DxL (mm)	Useful Life at Max. Temp.	Price Each		
Mfr.	Mfr. Part No.						1	10	100
594	MAL210447102E3	A	1000	450	65x105	5,000			
594	MAL210446152E3	A	1500	400	65x105	5,000			
594	MAL210437152E3	A	1500	450	65x105	5,000			
594	MAL210447152E3	A	1500	450	76x105	5,000			
594	MAL210446222E3	A	2200	400	76x105	5,000			
594	MAL210446332E3	A	3300	400	76x146	5,000			
594	MAL210436332E3	A	3300	400	76x105	5,000			
594	MAL210437332E3	A	3300	450	76x146	5,000			
594	MAL210436472E3	A	4700	400	76x146	5,000			
594	MAL210435682E3	A	6800	350	76x146	5,000			

101/102 PHR-ST SERIES SCREW TERMINAL 85°C LONG LIFE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (µF)	Volt	Case DxL (mm)	Useful Life at Max. Temp.	Price Each		
Mfr.	Mfr. Part No.						1	10	100
101 Series									
594	MAL210118682E3	A	6800	63	35x60	10,000			
594	MAL210119153E3	A	0.015	100	50x105	10,000			
594	MAL210118223E3	A	0.022	63	50x80	10,000			
594	MAL210117473E3	A	0.047	40	50x80	10,000			
594	MAL210118103E3	A	0.01	63	35x80	10,000			
594	MAL210117104E3	A	0.1	40	65x105	15,000			
102 Series									
594	MAL210225102E3	A	1000	350	50x80	10,000			
594	MAL210216102E3	A	1000	400	50x80	10,000			
594	MAL210212222E3	A	2200	200	50x80	10,000			
594	MAL210265222E3	A	2200	350	65x105	10,000			
594	MAL210226222E3	A	2200	400	65x105	10,000			
594	MAL210213472E3	A	4700	250	65x105	10,000			
594	MAL210217562E3	A	5600	450	76x146	10,000			
594	MAL210212682E3	A	6800	200	65x105	10,000			

106 PED-ST SERIES POWER EURODIN SCREW TERMINAL

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (µF)	Volt	Case DxL (mm)	Useful Life at Max. Temp.	Price Each		
Mfr.	Mfr. Part No.						1	10	100
594	MAL210619102E3	B	1000	100	35x60	20,000			
594	MAL210619153E3	B	0.015	100	65x105	20,000			
594	MAL210617473E3	B	0.047	40	65x105	20,000			
594	MAL210616103E3	B	0.01	25	35x80	20,000			
594	MAL210618103E3	B	0.01	63	50x80	20,000			

096 PLL-4T5I SERIES

85°C POWER LONG LIFE 4-TERMINAL SNAP-IN

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (µF)	Volt	Case DxL (mm)	Useful Life at Max. Temp.	Price Each		
Mfr.	Mfr. Part No.						1	10	100
594	MAL209619391E3	C	390	500	35x60	5,000			
594	MAL209619471E3	C	470	500	35x70	5,000			
594	MAL209619561E3	C	560	500	35x70	5,000			
594	MAL209629561E3	C	560	500	40x60	5,000			
594	MAL209619681E3	C	680	500	35x80	5,000			
594	MAL209619821E3	C	820	500	35x100	5,000			
594	MAL209629821E3	C	820	500	40x80	5,000			
594	MAL209639102E3	C	1000	500	45x70	5,000			
594	MAL209629102E3	C	1000	500	40x100	5,000			
594	MAL209639122E3	C	1200	500	45x100	5,000			
594	MAL209639152E3	C	1500	500	45x100	5,000			

159 PUL-SI SERIES

105°C POWER ULTRA LONG LIFE SNAP-IN GENERAL PURPOSE

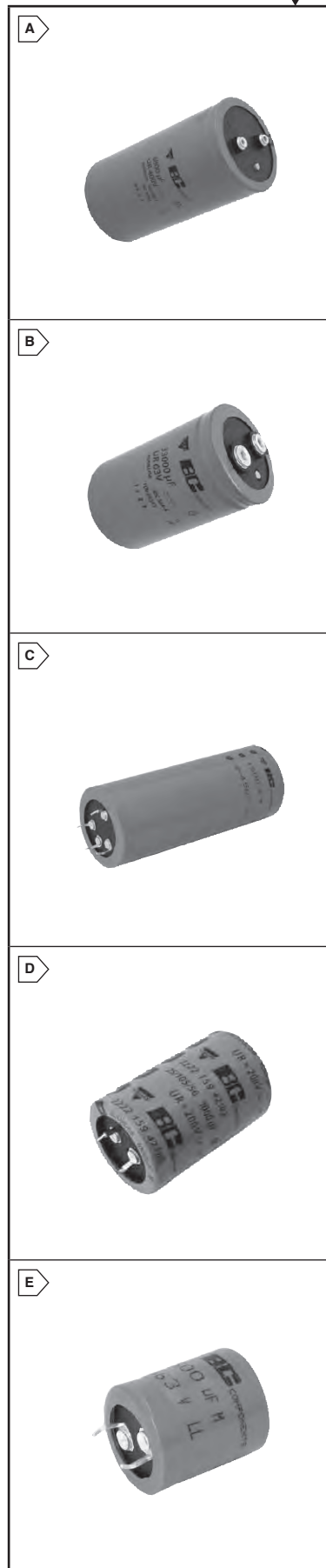
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (µF)	Volt	Case DxL (mm)	Useful Life at Max. Temp.	Price Each		
Mfr.	Mfr. Part No.						1	10	100
594	MAL21593331E3	D	330	250	22x40	5,000			
594	MAL215966331E3	D	330	400	35x35	5,000			
594	MAL215947331E3	D	330	450	30x50	5,000			
594	MAL215957391E3	D	390	450	35x45	5,000			
594	MAL215933471E3	D	470	250	25x40	5,000			
594	MAL215956471E3	D	470	400	35x45	5,000			
594	MAL215957471E3	D	470	450	35x50	5,000			
594	MAL215956561E3	D	560	400	35x50	5,000			
594	MAL215943681E3	D	680	250	30x40	5,000			

193 PUR-SI SERIES SNAP-IN 105°C FOR SOLAR APPLICATIONS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (µF)	Volt	Case DxL (mm)	Useful Life at Max. Temp.	Price Each		
Mfr.	Mfr. Part No.						1	10	100
594	MAL219390101E3	E	220	500	35x30	6,000			
594	MAL219390102E3	E	330	500	35x40	6,000			
594	MAL219390103E3	E	390	500	35x45	6,000			
594	MAL219390104E3	E	470	500	35x50	6,000			
594	MAL219390105E3	E	560	500	35x60	6,000			



Aluminum Caps, Can Vishay BC

VISHAY/SPRAGUE Screw Terminal Aluminum Capacitors



This product is RoHS compliant.

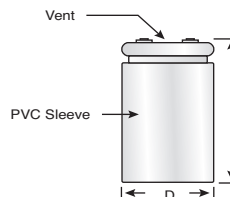
VISHAY/SPRAGUE 36DY 85°C SCREW TERMINAL HIGH CAPACITANCE SERIES

Features:

- The industry standard for large can aluminum capacitors
- Ideal for high wattage power supplies and energy storage applications
- Capacitance values to 2.2F
- Largest CV available
- Highest voltage available

Performance Characteristics:

- Operating temperature: -40°C to +85°C
- Capacitance tolerance: -10%, +50%
- Life validation test: 2000 hours @ +85°C
- Δ CAP \leq 15% from initial measurement
- Δ ESR \leq 1.5 x initial specified limit
- Δ DCL \leq initial specified limit



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μ F)	Case D x L (in.)	Price Each			
Mfr.	Mfr. Part No.			1	10	25	50
25 Volt							
75	36DY123F025AA2A	12000	1.375 x 2.125				
75	36DY563F025BL2A	56000	2.000 x 3.625				
75	36DY104F025BF2A	100000	2.000 x 5.625				
40 Volt							
75	36DY712F040AA2A	7100	1.375 x 2.125				
75	36DY333F040BL2A	33000	2.000 x 3.625				
75	36DY403F040BC2A	40000	2.000 x 4.125				
75	36DY823F040CD2A	82000	2.500 x 4.625				
50 Volt							
75	36DY562F050AA2A	5600	1.375 x 2.125				
75	36DY103F050AB2A	10000	1.375 x 3.125				
75	36DY153F050BM2A	15000	2.000 x 2.625				
75	36DY273F050BL2A	27000	2.000 x 3.625				
75	36DY563F050CC2A	56000	2.500 x 4.125				
75	36DY683F050DL2A	68000	3.000 x 3.625				
75 Volt							
75	36DY183F075BC2A	18000	2.000 x 4.125				
75	36DY223F075CB2A	22000	2.500 x 3.125				
75	36DY333F075CC2A	33000	2.500 x 4.125				
75	36DY393F075CD2A	39000	2.500 x 4.625				
75	36DY473F075DC2A	47000	3.000 x 4.125				
100 Volt							
75	36DY102F100AN2A	1000	1.375 x 1.625				
75	36DY472F100AC2A	4700	1.375 x 4.125				
75	36DY822F100BL2A	8200	2.000 x 3.625				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μ F)	Case D x L (in.)	Price Each			
Mfr.	Mfr. Part No.			1	10	25	50
100 Volt (cont.)							
75	36DY103F100CB2A	10000	2.500 x 3.125				
75	36DY223F100CF2A	22000	2.500 x 5.625				
150 Volt							
75	36DY123F150DE2A	12000	3.000 x 5.125				
200 Volt							
75	36DY561F200AA2A	560	1.375 x 2.125				
75	36DY562F200CD2A	5600	2.500 x 4.625				
75	36DY123F200DF2A	12000	3.000 x 5.625				
75	36DY183F200DJ2A	18000	3.000 x 8.625				
250 Volt							
75	36DY152F250AC2A	1500	1.375 x 4.125				
75	36DY222F250BC2A	2200	2.000 x 4.125				
75	36DY472F250CD2A	4700	2.500 x 4.625				
350 Volt							
75	36DY681F350BM2A	680	2.000 x 2.625				
75	36DY472F350DE2A	4700	3.000 x 5.125				
400 Volt							
75	36DY121F400AN2A	120	1.375 x 1.625				
75	36DY392F400DE2A	3900	3.000 x 5.125				
450 Volt							
75	36DY101F450AN2A	100	1.375 x 1.625				
75	36DY102F450BC2A	1000	2.000 x 4.125				
75	36DY152F450BF2A	1500	2.000 x 5.625				
75	36DY182F450CC2A	1800	2.500 x 4.125				
75	36DY332F450DD2A	3300	3.000 x 4.625				

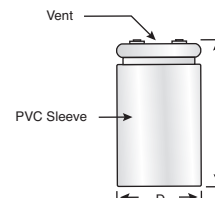
VISHAY/SPRAGUE POWERLYTIC® 36DX 85°C SCREW TERMINAL, HIGH CAPACITANCE, HIGH RIPPLE SERIES

Features:

- High capacitance per case size
- High ripple current
- Low leakage current
- Long shelf life and operating life

Performance Characteristics:

- Operating temperature: -40°C to +85°C
- Capacitance tolerance: +75%, -10% (25WVDC to 100WVDC)
- +50%, -10% (200WVDC to 450WVDC)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μ F)	Case D x L (in.)	Price Each			
Mfr.	Mfr. Part No.			1	10	25	50
25 Volt							
75	36DX452G025AA2A	4500	1.375 x 2.125				
75	36DX203G025AF2A	20000	1.375 x 5.625				
75	36DX303G025BC2A	30000	2.000 x 4.125				
75	36DX503G025CC2A	50000	2.500 x 4.125				
40 Volt							
75	36DX292G040AA2A	2900	1.375 x 2.125				
75	36DX582G040AB2A	5800	1.375 x 3.125				
75	36DX872G040AC2A	8700	1.375 x 4.125				
75	36DX203G040BC2A	20000	2.000 x 4.125				
75	36DX343G040CC2A	34000	2.500 x 4.125				
75	36DX513G040CF2A	51000	2.500 x 5.625				
75	36DX124G040DJ2A	120000	3.000 x 8.625				
50 Volt							
75	36DX242G050AA2A	2400	1.375 x 2.125				
75	36DX482G050AB2A	4800	1.375 x 3.125				
75	36DX163G050BC2A	16000	2.000 x 4.125				
75	36DX273G050CC2A	27000	2.500 x 4.125				
75	36DX413G050DC2A	41000	3.000 x 4.125				
75 Volt							
75	36DX282G075AB2A	2800	1.375 x 4.125				
75	36DX422G075AC2A	4200	1.375 x 4.125				
75	36DX103G075BC2A	10000	2.000 x 4.125				
75	36DX173G075CC2A	17000	2.500 x 4.125				

For quantities greater than listed, call for quote.

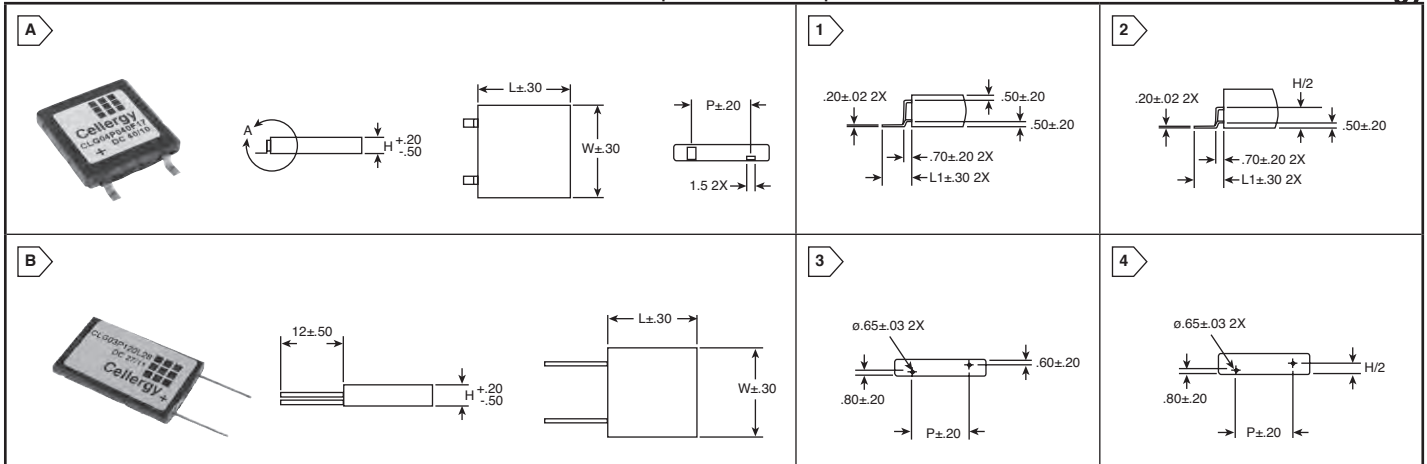
MOUSER STOCK NO.		Value (μ F)	Case D x L (in.)	Price Each			
Mfr.	Mfr. Part No.			1	10	25	50
75 Volt (Cont.)							
75	36DX403G075DF2A	40000	3.000 x 5.625				
100 Volt							
75	36DX262G100AC2A	2600	1.375 x 4.125				
75	36DX982G100CC2A	9800	2.500 x 4.125				
200 Volt							
75	36DX202F200BC2A	2000	2.000 x 4.125				
75	36DX282F200BC2A	2800	2.000 x 4.125				
75	36DX342F200CC2A	3400	2.500 x 4.125				
250 Volt							
75	36DX501F250AB2A	500	1.375 x 3.215				
75	36DX292F250CC2A	2900	2.500 x 4.125				
75	36DX103F250DJ2A	10000	3.000 x 8.625				
350 Volt							
75	36DX381F350AC2A	380	1.375 x 4.125				
75	36DX332F350DF2A	3300	3.000 x 5.625				
75	36DX512F350DJ2A	5100	3.000 x 8.625				
450 Volt							
75	36DX161F450AB2A	160	1.375 x 3.125				
75	36DX231F450AC2A	230	1.375 x 4.125				
75	36DX381F450BB2A	380	2.000 x 3.215				
75	36DX202F450DF2A	2000	3.000 x 5.625				

Vishay Aluminum Caps, Can

CELLERGY Supercapacitors



This product is RoHS compliant.



Cellergy introduces the Aqueous Electrolyte Pulse Application Super-Capacitors for high-current pulse transmission. These high-frequency, low ESR EDLC's from Cellergy are capable of storing large amounts of energy and utilize aqueous component technology that is environmentally friendly and non-toxic. Cellergy's Super-Capacitors were designed to act as a bridge between electrolyte capacitors and batteries and offer high power relative to batteries as well as produce a high current pulse. In addition, these Super-Capacitors are used to extend the lifetime of a battery for maximum exploitation and extend secondary battery operation. Cellergy offers four Super-Cap footprints, which include the smallest footprint on the market and in the world (12x12.5mm) for space-limited applications, in both flat lead "F" and surface mount "L" versions.

Characteristics:

- Operating Temperature Range: -40°C to 70°C
- Unaffected by humidity
- High density energy storage
- High capacitance in smallest footprint available
- Capable to deliver high instantaneous current
- Nearly infinite discharge/charge cycle

Applications:

- Medical
- Consumer
- RF
- Backup or current booster for mechanical applications
- Energy harvesting

CLC SERIES SMD SUPERCAPACITORS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cellergy Part No.	Fig.	Voltage	Cap. (mF)	ESR (mΩ)	Max Allowed L.C. (μA)	Length (mm)	Width (mm)	Height (mm)	Pitch (mm)	Price Each			
											1	50	100	500
Flat Leads, Single														
938-CLC03P012F12	CLC03P012F12	A1	3.5	12	600	1.5	12	12.5	2.4	8				
938-CLC04P010F12	CLC04P010F12	A1	4.2	10	720	1.5	12	12.5	2.6	8				
Flat Leads, Double														
938-CLC04P020F12	CLC04P020F12	A2	4.2	20	360	3	12	12.5	3.9	8				
938-CLC03P025F12	CLC03P025F12	A2	3.5	25	300	3	12	12.5	3.4	8				

CLG SERIES SMD SUPERCAPACITORS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cellergy Part No.	Fig.	Voltage	Cap. (mF)	ESR (mΩ)	Max Allowed L.C. (μA)	Length (mm)	Width (mm)	Height (mm)	Pitch (mm)	Price Each			
											1	50	100	500
Flat Leads, Single														
938-CLG03P012F12	CLG03P012F12	A1	3.5	12	600	3	12	12.5	2.4	8.0				
938-CLG03P060F28	CLG03P060F28	A1	3.5	60	130	10	28	17.5	2.4	11				
938-CLG04P020F17	CLG04P020F17	A1	4.2	20	360	6	17	17.5	2.6	11.0				
938-CLG04P050F28	CLG04P050F28	A1	4.2	50	150	10	28	17.5	2.6	11.0				
938-CLG05P040F28	CLG05P040F28	A1	5.5	40	200	10	28	17.5	3.1	11.0				
Flat Leads, Double														
938-CLG03P120F28	CLG03P120F28	A2	3.5	120	65	20	28	17.5	3.4	11				
938-CLG03P025F12	CLG03P025F12	A2	3.5	25	300	6	12	12.5	3.4	8.0				
938-CLG03P120F28	CLG03P120F28	A2	3.5	120	65	20	28	17.5	3.4	11.0				
938-CLG04P040F17	CLG04P040F17	A2	4.2	40	180	12	17	17.5	3.9	11.0				
938-CLG05P030F17	CLG05P030F17	A2	5.5	30	280	12	17	17.5	4.8	11.0				
938-CLG05P080F28	CLG05P080F28	A2	5.5	80	100	20	28	17.5	4.8	11.0				
938-CLG06P070F28	CLG06P070F28	A2	6.3	70	115	20	28	17.5	5.4	11.0				

CLG SERIES RADIAL SUPERCAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cellergy Part No.	Fig.	Voltage	Cap. (mF)	ESR (mΩ)	Max Allowed L.C. (μA)	Length (mm)	Width (mm)	Height (mm)	Pitch (mm)	Price Each			
											1	50	100	500
Through Hole Leads, Single														
938-CLG03P012L12	CLG03P012L12	B3	3.5	12	600	3	12	12.5	2.4	8.0				
938-CLG03P060L28	CLG03P060L28	B3	3.5	60	130	10	28	17.5	2.4	11				
938-CLG03P420L48	CLG03P420L48	A1	3.5	420	20	65	48	30.5	3.4	22.3				
938-CLG04P020L17	CLG04P020L17	B3	4.2	20	360	6	17	17.5	2.6	11.0				
938-CLG04P050L28	CLG04P050L28	B3	4.2	50	150	10	28	17.5	2.6	11.0				
938-CLG05P040L28	CLG05P040L28	B3	5.5	40	200	10	28	17.5	3.1	11.0				
938-CLG05P280L48	CLG05P280L48	B3	5.5	280	30	65	48	30.5	4.8	22.3				
938-CLG12P015L28	CLG12P015L28	A1	12	15	445	10	28	17.5	5.4	11				
Through Hole Leads, Double														
938-CLG03P025L12	CLG03P025L12	B4	3.5	25	300	6	12	12.5	3.4	8.0				
938-CLG03P120L28	CLG03P120L28	B4	3.5	120	65	20	28	17.5	3.4	11.0				
938-CLG04P040L17	CLG04P040L17	B4	4.2	40	180	12	17	17.5	3.9	11.0				
938-CLG05P030L17	CLG05P030L17	B4	5.5	30	280	12	17	17.5	4.8	11.0				
938-CLG05P080L28	CLG05P080L28	B4	5.5	80	100	20	28	17.5	4.8	11.0				
938-CLG06P012L12	CLG06P012L12	A2	6.3	12	600	6	12	12.5	5.3	8				
938-CLG06P070L28	CLG06P070L28	B4	6.3	70	115	20	28	17.5	5.4	11.0				

CLK SERIES SUPERCAPACITORS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cellergy Part No.	Fig.	Voltage	Cap. (mF)	ESR (mΩ)	Max Allowed L.C. (μA)	Length (mm)	Width (mm)	Height (mm)	Pitch (mm)	Price Each			
											1	50	100	500
SMD Flat Leads, Single														
938-CLK03P120F28	CLK03P120F28	A1	3.5	120	160	10	28	17.5	3	11				
938-CLK05P030F17	CLK05P030F17	A1	5.5	30	480	6	17	17.5	3.4	11				
Through Hole Leads, Single														
938-CLK05P030L17	CLK05P030L17	A1	5.5	30	480	6	17	17.5	3.4	11				
938-CLK05P080L28	CLK05P080L28	A1	5.5	80	230	10	28	17.5	3.5	11				
SMD Flat Leads, Double														
938-CLK03P240F28	CLK03P240F28	A2	3.5	240	80	20	28	17.5	4.5	11				
938-CLK05P060F17	CLK05P060F17	A2	5.5	60	240	12	17	17.5	5.7	11				
Through Hole Leads, Double														
938-CLK05P060L17	CLK05P060L17	A2	5.5	60	240	12	17	17.5	5.7	11				
938-CLK05P160L28	CLK05P160L28	A2	5.5	160	115	20	28	17.5	6	11				

ELNA MEMORY BACK-UP CAPACITORS

The DB and DX Series has a total withstand voltage rating of 5.5 Volts. They utilize ELNA's unique flat spring technology, which enhances the reliability of the internal coin cells. This series' are ideal for a wide range of applications from consumer applications to sophisticated instruments.

Features:

- For memory back up in electronic devices
- Small size, large capacitance
- Wide temperature range: -25°C to +70°C
- Minimum self-discharging
- Capacitance tolerance: -20% to +80%

DX Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Volt (DC)	Value (F)	Dimensions: mm		Price Each		
				D	L	1	10	100
Vertical								
555-DX-5R5V473U	A	5.5	.047	11.5	13.5			
555-DX-5R5V104U	A	5.5	.1	11.5	13.5			
555-DX-5R5V224U	A	5.5	.22	11.5	13.5			
555-DX-5R5V334U	A	5.5	.33	11.5	13.5			
Horizontal								
555-DX-5R5H473U	B	5.5	.047	11.5	5			
555-DX-5R5H104U	B	5.5	.1	11.5	5			
555-DX-5R5H224U	B	5.5	.22	11.5	5			
555-DX-5R5H334U	B	5.5	.33	11.5	5			

DB Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Volt (DC)	Value (F)	Dimensions: mm		Price Each		
				D	L	1	10	100
555-DB-5R5D473T	C	5.5	.047	13.5	9.5			
555-DB-5R5D104T	C	5.5	.1	13.5	9.5			
555-DB-5R5D224T	C	5.5	.22	13.5	9.5			
555-DB-5R5D474T	C	5.5	.47	21.5	9.5			
555-DB-5R5D105T	C	5.5	1.0	21.5	9.5			

ELNA ELECTRIC DOUBLE LAYER CAPACITORS

The DV series (DVS,DVN,DVL) of Electric Double Layer Capacitors are well suited for reflow soldering at 260°C. Unlike batteries, the DV and DHL series have excellent charge/discharge characteristics with no chemical reactions. Typical applications include memory backup for CMOS IC's, microcomputers, RAM's, real-time clocks in electric power meters, outdoor, automotive and industrial equipment.

Features:

- Capacitance range: .047F ~ .33F
- Operating Temperature: -25~+85°C(DVS)
- -25~+70°C(DVN)
- -40~+85°C(DVL,DHL)
- Tolerance: -20~+80
- ESR rating: 30Ω (DVS,DVN)
- 20Ω~40Ω (DHL)
- 45Ω (DVL)

DVS Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ELNA Part No.	Fig.	Volt (DC)	Value (F)	Dimensions: mm		Price Each			
					D	L	1	10	100	1000
555-DVS-3R6D473T-R	DVS-3R6D473T-R	A	3.6	0.047	12.5	8.5				
555-DVS-3R6D104T-R	DVS-3R6D104T-R	A	3.6	0.1	12.5	8.5				
555-DVS-3R6D224T-R	DVS-3R6D224T-R	A	3.6	0.22	12.5	8.5				
555-DVS-3R6D334T-R	DVS-3R6D334T-R	A	3.6	0.33	12.5	8.5				

DVN Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ELNA Part No.	Fig.	Volt (DC)	Value (F)	Dimensions: mm		Price Each			
					D	L	1	10	100	1000
555-DVN-5R5D473T-R	DVN-5R5D473T-R	A	5.5	0.047	12.5	8.5				
555-DVN-5R5D104T-R	DVN-5R5D104T-R	A	5.5	0.1	12.5	8.5				
555-DVN-5R5D224T-R	DVN-5R5D224T-R	A	5.5	0.22	12.5	8.5				

DVL Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ELNA Part No.	Fig.	Volt (DC)	Value (F)	Dimensions: mm		Price Each			
					D	L	1	10	100	1000
555-DVL-5R5D473T-R	DVL-5R5D473T-R	B	5.5	0.047	12.5	10.5				
555-DVL-5R5D104T-R	DVL-5R5D104T-R	B	5.5	0.1	12.5	10.5				
555-DVL-5R5D224T-R	DVL-5R5D224T-R	B	5.5	0.22	12.5	10.5				

DHL Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ELNA Part No.	Fig.	Volt (DC)	Value (F)	Dimensions: mm		Price Each			
					D	L	1	10	100	1000
555-DHL-5R5D473T	DHL-5R5D473T	C	5.5	0.047	13.5	9.5				
555-DHL-5R5D104T	DHL-5R5D104T	C	5.5	0.1	13.5	9.5				
555-DHL-5R5D224T	DHL-5R5D224T	C	5.5	0.22	13.5	9.5				
555-DHL-5R5D105T	DHL-5R5D105T	C	5.5	1	13.5	9.5				

DZ Series

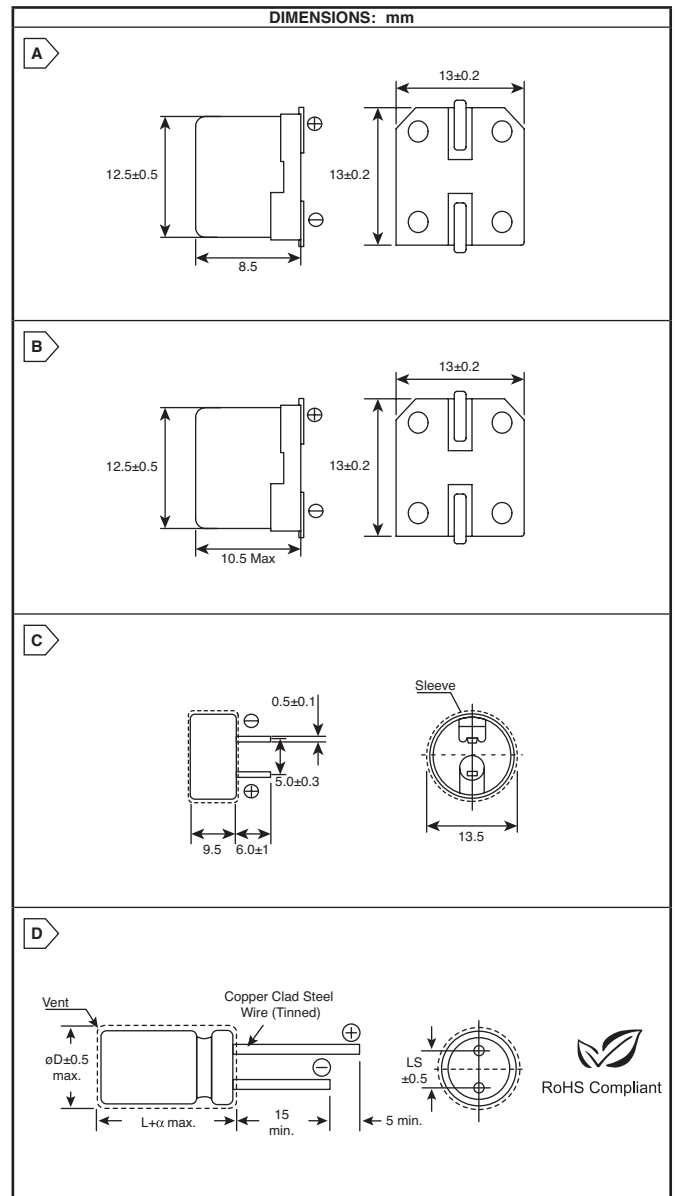
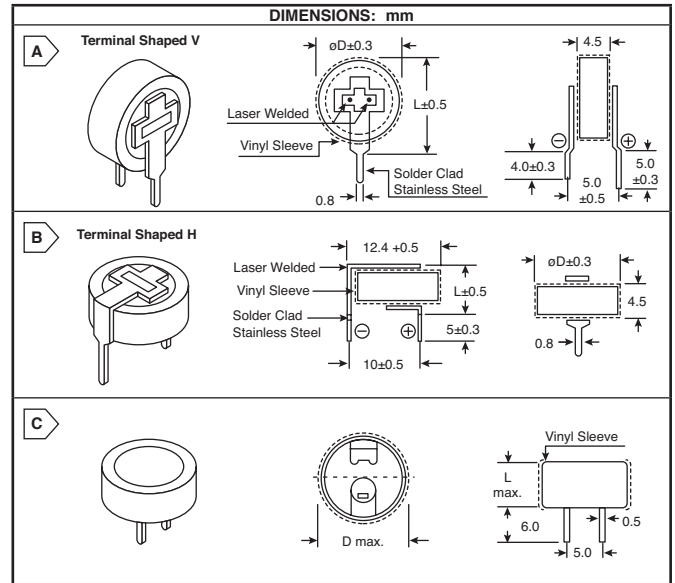
The DZ Series is an entirely new type of high current capacitor that has extremely low internal resistance (only 10% of standard double layer caps), capable of undergoing virtually unlimited charge/discharge cycles with no deterioration. With capacitance ranging from 1F to 100F and internal resistance from ≤0.08 to 1.0Ω, they are ideal for CMOS backup, or they can function as a simple power supply.

Specifications:

- Temperature range: -40°C to +70°C
- Capacitance tolerance: -20% to +80%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ELNA Part No.	Fig.	Volt (DC)	Value (F)	Dimensions: mm		Price Each			
					D	L	1	10	100	1000
555-DZ-2R5D105T	DZ-2R5D105T	D	2.5	1.0	8.0	22.0				
555-DZ-2R5D106T	DZ-2R5D106T	D	2.5	10	12.5	23.0				
555-DZ2R5D335T	DZ-2R5D335T	D	2.5	3.3	12.5	31.5				
555-DZ-2R5D475T	DZ-2R5D475T	D	2.5	4.7	18.0	35.0				



IOXUS Electrochemical Double Layer Capacitors

RoHS Compliant This product is RoHS compliant.



IMOD SERIES

Features:

- Individually balanced cells
- IP-54 rated
- Threaded, protected terminals
- Endurance: 1000h @ 65°C
- Operating Temperature Range: -40°C to +65°C

Applications:

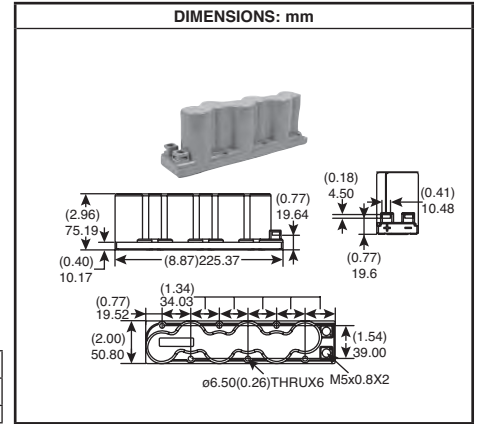
- Wind turbine pitch control
- Starting systems
- Automotive subsystems
- Backup power/UPS
- Ride through/power conditioning
- Renewable energy systems



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IOXUS Part No.	Volt	Capacitance (F)	ESR (DC) mΩ	Max. Leakage Current (mA)	Price Each	
						1	5
920-IMOD016V058FP1M	iMOD016V058FP1M-00A	16	58	≤23	<25 (72h)		



SNAP-IN ULTRACAPACITOR

Features:

- Made in the USA
- High energy density
- High power density
- Low internal resistance (ESR)
- 10 year life
- High cycle life (+500K cycles)
- Operating Temperature Range: -40°C to +65°C

Applications:

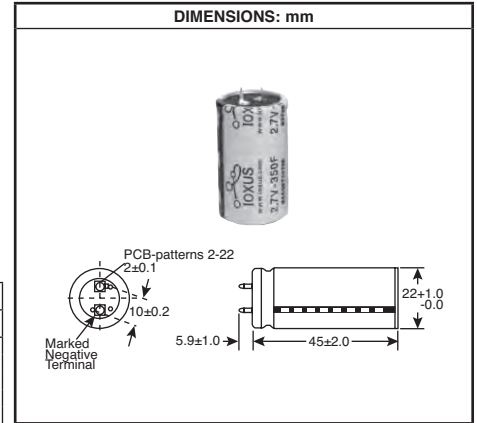
- Back-up Power
- Pulse Power
- Automotive Subsystems
- Portable Power Tools
- Renewable Energy Systems



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IOXUS Part No.	Volt	Capacitance (F)	ESR (DC) mΩ	Max. Leakage Current (mA)	Price Each			
						1	5	10	25
920-RSC2R7107SR	RSC2R7107SR	2.7	100	≥0.60	0.27 (72h)				
920-RSC2R7357S4	RSC2R7357S4	2.7	350	2.7	1				
920-RSC2R7357SR	RSC2R7357SR	2.7	350	≥3.2	1.0 (72h)				
920-RSC2R7407SR	RSC2R7407SR	2.7	400	≥3.2	1.2 (72h)				
920-RSC2R7607SR	RSC2R7607SR	2.7	600	≥3.2	1.5 (72h)				



SNAP-IN HYBRID CAPACITOR

Features:

- Made in the USA
- High energy density
- High power density
- Low internal resistance (ESR)
- High cycle life (20K + cycles)
- Operating Temperature Range: -25°C to +60°C

Applications:

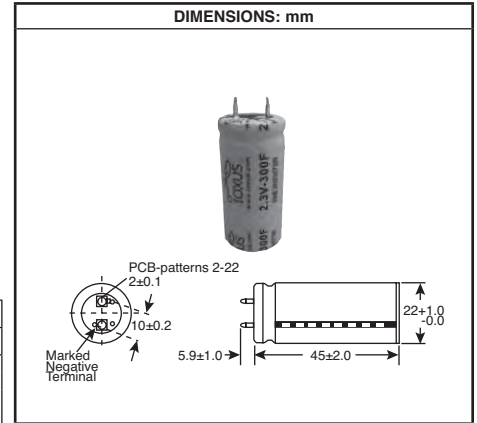
- Flashlights
- Solar / LED Lighting
- Memory Back-up
- Portable Hand Tools



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IOXUS Part No.	Volt	Capacitance (F)	ESR (DC) mΩ	Max. Leakage Current (mA)	Price Each			
						1	5	10	25
920-RHE2R3227SR	RHE2R3227SR	2.3	220	≥45	0.27 (72h)				
920-RHE2R3307SR	RHE2R3307SR	2.3	300	≥35	0.55 (72h)				
920-RHE2R3827SR	RHE2R3827SR	2.3	820	12	0.5				
920-RHE2R3108SR	RHE2R3108SR	2.3	1000	≥0.14	0.7 (72h)				



SCREW TERMINAL EDLC

Features:

- Made in the USA
- High energy density
- High power density
- Low internal resistance (ESR)
- 10 year life
- High cycle life (+500K cycles)
- Operating Temperature Range: -40°C to +65°C

Applications:

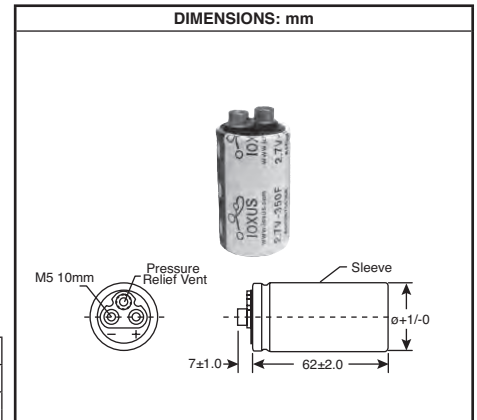
- Back-up Power
- Pulse Power
- Automotive Subsystems
- Portable Power Tools
- Renewable Energy Systems



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IOXUS Part No.	Volt	Capacitance (F)	ESR (DC) mΩ	Max. Leakage Current (mA)	Price Each			
						1	5	10	25
920-RSC2R7357ST	RSC2R7357ST	2.7	350	≥2.5	1.0 (72h)				
920-RSC2R7407ST	RSC2R7407ST	2.7	400	≥2.5	1.2 (72h)				



MAXWELL Ultracapacitors



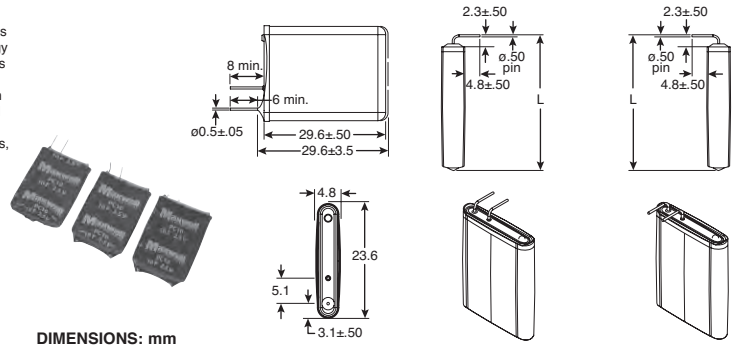
This product is RoHS compliant.



Enabling Energy's Future™

PC SERIES 10F ULTRACAPACITORS

Maxwell's UL recognized PC10 ultracapacitor is ideal for consumer electronics, automotive subsystems, wireless transmission, medical devices, automatic meter readers, and many other applications requiring a pulse of energy that cannot be efficiently provided by a battery or power supply alone. The PC10 works in tandem with batteries for applications that require both a constant low power discharge for continual function and a pulse power for peak loads. In these applications, the device relieves batteries of peak power functions resulting in an extension of battery life and a reduction of overall battery size and cost. The PC10 is also an ideal source of back-up and pulse power. It can provide extended power availability, allowing critical information and functions to remain available during dips, sags, and outages in a power supply or battery change. And, like all BOOSTCAP products, the PC10 is capable of accepting charges at the identical rate of discharge.



DIMENSIONS: mm

Features and Benefits:

- Over 500,000 duty cycles
- 10 year life capability
- Hermetically sealed, stainless steel construction
- Low profile prismatic design
- Higher energy vs. electrolytic capacitors
- Higher power vs. batteries
- UL recognized
- RoHS compliant

Applications:

- Automatic meter readers
- Automatic subsystems
- Back up power for soft shut down requirements
- Digital cameras and consumer electronics
- Wireless transmissions
- NASA space qualified

Supercapacitors

MOUSER STOCK NO.		Capacitance		Voltage		Vol (l)	L (Length) Dimension (mm)	Price Each		
Mfr.	Mfr. Part No.	Nominal	Tol.	Rated	Surge			1	5	10
723	PC10HT	10F	20%	2.2V	2.3V	0.003	29.6			
723	PC10HT-90	10F	20%	2.2V	2.3V	0.003	35.9			
723	PC10HT-270	10F	20%	2.2V	2.3V	0.003	35.9			
723	PC10	10F	20%	2.5V	2.7V	0.003	29.6			
723	PC1090	10F	20%	2.5V	2.7V	0.003	29.6			
723	PC10-270	10F	20%	2.5V	2.7V	0.003	35.9			

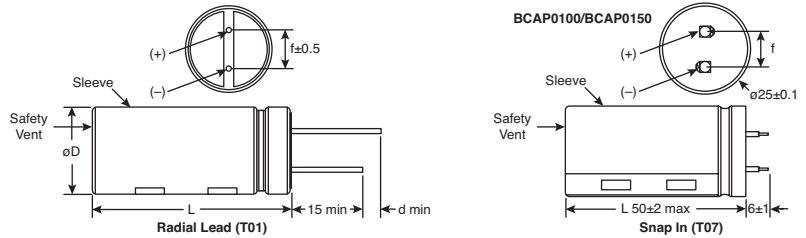
HC POWER SERIES 1F - 150F ULTRACAPACITORS

Features and Benefits:

- Ultra-low internal resistance
- Two pin radial lead
- Resistant against reverse polarity
- 500,000 cycles
- 10 year life capability
- Proprietary material science and packaging technology

Applications:

- Consumer electronics
- Industrial and automation
- Portable power tools
- Renewable energy systems
- Short term UPS (uninterruptible power supply) and telecom systems



DIMENSIONS: mm

MOUSER STOCK NO.		Capacitance		Voltage		Vol (l)	Mass (g)	Dimensions: mm				Price Each		
Mfr.	Mfr. Part No.	Nominal	Tol.	Rated	Surge			L (+2mm max)	D	d	f	1	5	10
723	BCAP0001P270T01	1F	20%	2.7V DC	2.85V DC	10 x 30	1.1	12	8	0.6	3.5			
723	BCAP0003P270T01	3.3F	20%	2.7V DC	2.85V DC	10 x 30	2.0	20	10	0.6	5			
723	BCAP0005P270T01	5F	±20%	2.7V DC	2.85V DC	10 x 20	2.3	20	10	0.6	5.3			
723	BCAP0010P270T01	10F	±20%	2.7V DC	2.85V DC	10 x 30	4.0	30	10	0.6	5.3			
723	BCAP0025P270T01	25F	-0%/20%	2.7V DC	2.85V DC	16 x 26	7.2	26	16	0.8	7.5			
723	BCAP0050P270T01	50F	-0%/20%	2.7V DC	2.85V DC	18 x 41	14.0	41	18	0.8	7.5			
723	BCAP0100P270T07	100F	-0%/20%	2.7V DC	2.85V DC	22 x 45	25.0	45	22	1.5	10			
723	BCAP0150P270T07	150F	-0%/20%	2.7V DC	2.8V DC	25 x 50	35.0	50	25	-	-			

BC SERIES ENERGY RADICAL D CELL 350UF ULTRACAPACITORS

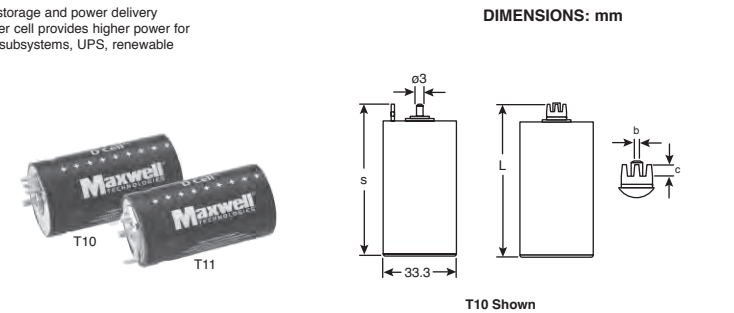
The BC series ultracapacitor product line gives industrial customers a wide range of choices to meet their energy storage and power delivery requirements. The 350F Energy cell provides higher energy for longer discharge applications, while the 310F Power cell provides higher power for fast discharge applications. The cells are specifically engineered to provide cost effective solutions for automotive subsystems, UPS, renewable energy and portable consumer products.

Features and Benefits:

- Ultra-low internal resistance
- UL recognized
- Resistant against reverse polarity
- 500,000 cycles
- 10 year life capability
- Round, radical mounting design for easy surface mount assembly

Applications:

- Automotive subsystems
- Consumer electronics
- Portable power tools
- Renewable energy systems
- Short term UPS and telecommunications



DIMENSIONS: mm

MOUSER STOCK NO.		Capacitance		Voltage		Vol (l)	Dimensions: mm				Price Each		
Mfr.	Mfr. Part No.	Nominal	Tol.	Rated	Surge		L	b	c	s	1	5	10
723	BCAP0310P270T10	350 F	20%	2.7	2.85	0.053	68.2	1.2	3.4	7.2			
723	BCAP0350E270T11	310 F	20%	2.7	2.85	0.053	68.7	1.5	4.9	7.7			

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MAXWELL Ultracapacitors

RoHS Compliant This product is RoHS compliant.

16/48/56 VOLT POWER MODULES

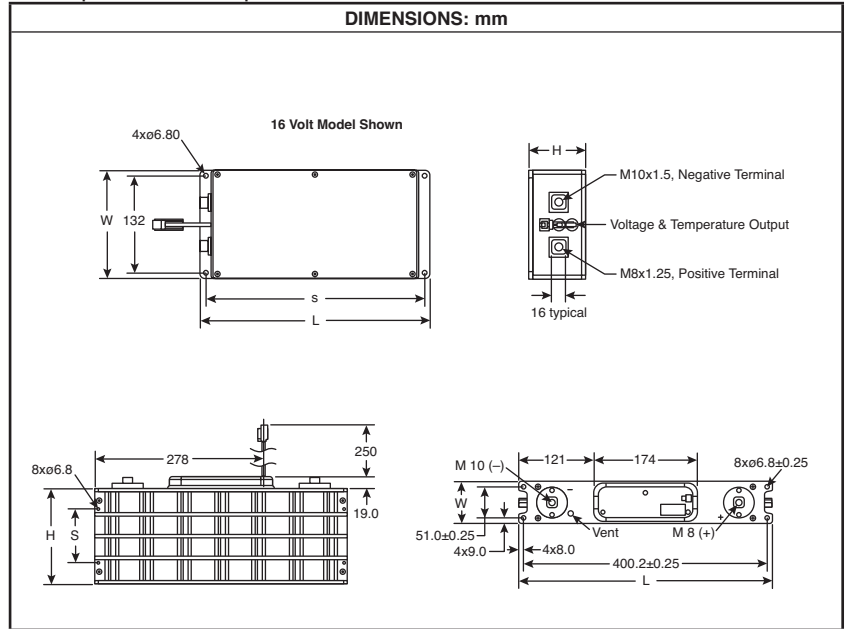
The Power-type ultracapacitor product line gives customers in the automotive and transportation sector a much wider range of choices to meet their energy storage and power delivery requirements. The modules are specifically engineered for hybrid vehicle drive trains, automotive subsystems and other heavy duty applications that require the lowest equivalent series resistance (ESR) and highest efficiency available. In addition to meeting or exceeding demanding automotive and transportation application requirements for both watt-hours of energy storage and watts of power delivery per kilogram, all of these products will perform reliably for more than one million discharge-recharge cycles. The proprietary architecture and material science on which BOOSTCAP® products are based enable continued leadership in controlling costs, flexibility in product offerings and allow application specific performance tailoring. The cells used in the modules operate at 2.7 volts, enabling them to store more energy and deliver more power per unit volume than any other commercially available ultracapacitor products.

Features:

- 16.2V/48.6V Operating Voltage
- Ultra Low internal resistance
- Over 1M duty cycles
- Individually balanced cells
- Mountable option included
- Voltage and temperature sensor output included
- Compact, rugged, fully enclosed and splash proof design

Applications:

- Industrial
- UPS
- Power Quality
- Telecommunication
- Renewable energy



16 Volt

MOUSER STOCK NO.		Capacitance (F)	ESR, DC (mΩ)	E _{max} (Wh / kg)	P _{max} (W / kg)	I _c (mA)	Maximum Operating Voltage	Dimensions: mm				Price Each	
Mfr.	Mfr. Part No.							L (±0.25mm)	W (±0.25mm)	H (±0.25mm)	s (±0.25mm)	1	5
723	—BMOD0250P016	250	4.1	2.05	4,400	3	750VDC	416.2	67.2	103.2	53.7		
723	—BMOD0500P016B01	500	2.1	3.17	6,700	5.2	750VDC	416.2	67.2	156.7	89.3		

48 Volt

MOUSER STOCK NO.		Capacitance (F)	ESR, DC (mΩ)	E _{max} (Wh / kg)	P _{max} (W / kg)	I _c (mA)	Dimensions: mm				Price Each	
Mfr.	Mfr. Part No.						L (±0.25mm)	W (±0.25mm)	H (±0.25mm)	s (±0.25mm)	1	5
723	—BMOD0083P048	80	12.3	2.48	5,400	3.0	416.2	190.2	103.2	53.7		
723	—BMOD0110P048	110	93.5	2.91	6,200	4.2	416.2	190.2	120.2	70.7		
723	—BMOD0165P048	165	7.1	3.81	7,900	5.2	416.2	190.2	156.7	89.3		

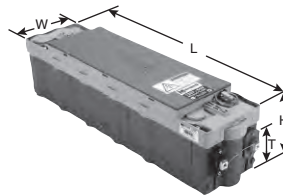
56 Volt

Features:

- Up to 10KW in half rack, 4U module
- Standard rackmount configurations
- Rated voltage: 56V
- Cycle life 1,000,000 cycles

Applications:

- Datacenter UPS
- Hospital UPS
- Industrial Process Equipment Backup
- Power for graceful shutdown
- Transition power for motor-generator set or fuel cells



Benefits:

- Easy integration into existing systems
- Lowest Total Cost of Ownership for back up energy storage
- Maintenance free with no toxic materials

MOUSER STOCK NO.		Maxwell Part No.	Capacitance (F)	ESR, DC (mΩ)	I _c mA	Voltage Max	Power (W/kg)	Energy Max (W/kg)	Dimensions: mm				Price Each	
Mfr.	Mfr. Part No.								L (±0.5mm)	W (±0.5mm)	H (max)	T (±0.5mm)	1	5
723	—BMOD0130P056B03	BMOD0130 P056 B03	130	8.1	120	750V	5400	3.1	665	176	173	77		

ACCESSORIES

BOOSTCAP® Integration Kit

Features:

- Simple design and assembly
- Maximize system lifetime by protecting individual cell against over voltage during rated system use
- Compatible with BCAP3000, 2000, 1500, 1200, and 650

Applications:

- Fast prototyping
- Application specific modules

MOUSER STOCK NO.		Operating Voltage Range (indiv. Cell)	Normal Balance Current	Balance Voltage Accuracy	Leakage Current (Vs=5V and I _o =0)	Temperature Range		Price Each	
Mfr.	Mfr. Part No.					Operating	Storage	1	5
723	—BKIT-MCINT	+2.72 V to +2.86 V DC	0 to +300mA max	±0.100V DC 50°C @ ±100µA max	25°C @ ±50µA max	-40°C to 65°C	-40°C to 85°C		



RoHS Compliant



RoHS Compliant



RoHS Compliant

MURATA EDLC Supercapacitors and Polymer Capacitors



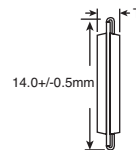
This product is RoHS compliant.

DMF EDLC SERIES ELECTRICAL DOUBLE LAYER CAPACITOR

Features:

- Leveling the high peak load up to the hundreds of milli-seconds
- Extends battery run time
- Enables the use of lower power battery or reduction in number of series connections
- Enables the use of high peak load apps without high power battery

- Quick charge and discharge of high energy
- Secures power line from large load changes and power down
- Secures battery power down at lower temps
- Shortens standby time



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Voltage (DC)	ESR Max. (mΩ) 1kHz 25°C	T Dimension: (mm)	Max Leakage Current (uA) @ 96 hrs	Price Each			
							1	10	50	100
81-DMF3R5R5L334M3DTA	DMF3R5R5L334M3DTA0	330	5.5	60	2.5±0.2	10				

DMD AND DME SERIES OF ELECTRICAL DOUBLE LAYER CAPACITORS (EDLC) - SUPERCAPACITORS

Features:

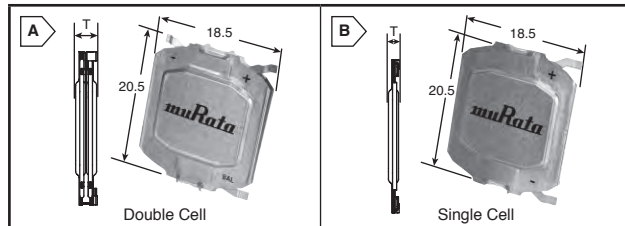
- Small, slim, robust package suitable for portable devices
- Ultra low ESR
- Single and double cell package available
- Maintenance free operation

Applications:

- Battery Load Assist: POS, smart meters, tablet PC, fuel cells
- Energy Harvesting: micro and macro energy harvesting
- Back Up Assist: UPS, SSD
- Peak Power Assist: LED flash, motors E-paper, cell phones, PA assist, audio circuit

Specifications:

- Dimensions: 20.5mm x 18.5mm x 1.5mm (single cell)
- Capacitance Value: 700mF-single cell & 350mF-double cell
- Capacitance Tolerance: 20%
- Voltage: 2.1V constant, 2.7V peak (single cell)
- Operating Temperature: -30°C to +70°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (mF)	Voltage (DC)	ESR Max. (mΩ) 1kHz 25°C	T Dimension: (mm)	Max Leakage Current (uA) @ 96 hrs	Price Each			
								1	10	25	50
81-DMD2W4R2L354M3BT	DMD2W4R2L354M3BT A0	A	350	4.2	60	3.0±/0.3	10				
81-DME2U5R5L354M3BT	DME2U5R5L354M3BT A0	A	350	5.5	60	2.8±/0.3	10				
81-DMD2E2R1F704M2BT	DMD2E2R1F704M2BT A0	B	700	2.1	30	1.4±/0.2	10				
81-DME2D2R7F704M2BT	DME2D2R7F704M2BT A0	B	700	2.7	30	1.3±/0.2	10				

ECAS SERIES - POLYMER ALUMINUM ELECTROLYTIC CAPACITORS

Features:

- Resin molded case structure utilizes multilayer aluminum foil for anode and solid conductive polymer cathode
- High capacitance and Low ESR
- High frequency performance up to 500kHz with low impedance for excellent noise suppression
- No voltage derating required
- Polarity bar (positive) noted on product
- Halogen free epoxy
- MSL 3 packaging

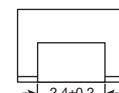
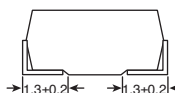
Applications:

- Netbook/Notebook
- Server
- Multi Functional Printer
- Digital TV (LCD/Plasma)
- Audio/Video
- Game Console
- Set Top Box

Typical Characteristics:

- Ripple Absorption
- Decoupling

DIMENSIONS: mm			
Case Size	W (Width)	T (Thickness)	
D4	7343	4.3±0.2	1.9±0.1
D6	7343	4.3±0.2	2.8±0.3
D9	7343	4.3±0.3	4.2±0.3



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Voltage (DC)	Case Thickness (mm)	Tol. %	ESR Max. (mΩ) 100kHz /+25°C	Leakage Current (uA)	Ripple Current 1000kHz /+20~105°C	Price Each				Reel Qty	Price Per Piece
									1	50	100	500		
81-ECASD40D107M016K0	ECASD40D107M016K00	100	2	1.9±0.1	20	16	8.0	2.0 Arms					3000	
81-ECASD40D157M009K0	ECASD40D157M009K00	150	2	1.9±0.1	20	9	12.0	3.0 Arms					3000	
81-ECASD40D227M009K0	ECASD40D227M009K00	220	2	1.9±0.1	20	9	17.6	3.0 Arms					3000	
81-ECASD60D337M007K0	ECASD60D337M007K00	330	2	2.8±0.3	20	7	26.4	3.5 Arms					2500	
81-ECASD60D477M006K0	ECASD60D477M006K00	470	2	2.8±0.3	20	6	37.6	3.5 Arms					2500	
81-ECASD40G688M020K0	ECASD40G688M020K00	68	4	1.9±0.1	20	20	10.9	1.9 Arms					3000	
81-ECASD40G826M016K0	ECASD40G826M016K00	82	4	1.9±0.1	20	16	13.2	2.1 Arms					3000	
81-ECASD40G157M016K0	ECASD40G157M016K00	150	4	1.9±0.1	20	16	24.0	2.1 Arms					3000	
81-ECASD60G187M012K0	ECASD60G187M012K00	180	4	2.8±0.3	20	12	28.8	2.5 Arms					2500	
81-ECASD60G227M010K0	ECASD60G227M010K00	220	4	2.8±0.3	20	10	35.2	3.0 Arms					2500	
81-ECASD90G337M008K0	ECASD90G337M008K00	330	4	4.2±0.3	20	8	52.8	3.3 Arms					2500	
81-ECASD40J106M055K0	ECASD40J106M055K00	10	6.3	1.9±0.1	20	55	2.6	1.0 Arms					3000	
81-ECASD40J226M045K0	ECASD40J226M045K00	22	6.3	1.9±0.1	20	45	5.6	1.0 Arms					3000	
81-ECASD40J336M025K0	ECASD40J336M025K00	33	6.3	1.9±0.1	20	25	8.4	1.8 Arms					3000	
81-ECASD40J476M025K0	ECASD40J476M025K00	47	6.3	1.9±0.1	20	25	11.9	1.8 Arms					3000	
81-ECASD40J686M015K0	ECASD40J686M015K00	68	6.3	1.9±0.1	20	15	17.2	2.0 Arms					3000	
81-ECASD40J107M015K0	ECASD40J107M015K00	100	6.3	1.9±0.1	20	15	25.2	2.0 Arms					3000	
81-ECASD60J157M010K0	ECASD60J157M010K00	150	6.3	2.8±0.3	20	10	37.8	3.0 Arms					2500	
81-ECASD60J187M010K0	ECASD60J187M010K00	180	6.3	2.8±0.3	20	10	45.4	3.0 Arms					2500	
81-ECASD90J227M010K0	ECASD90J227M010K00	220	6.3	4.2±0.3	20	10	55.5	3.0 Arms					2000	
81-ECASD41A106M055K0	ECASD41A106M055K00	10	10	1.9±0.1	20	55	4.0	1.0 Arms					3000	
81-ECASD41A226M028K0	ECASD41A226M028K00	22	10	1.9±0.1	20	28	8.8	1.6 Arms					3000	
81-ECASD41A336M025K0	ECASD41A336M025K00	33	10	1.9±0.1	20	25	13.2	1.8 Arms					3000	
81-ECASD41A476M025K0	ECASD41A476M025K00	47	10	1.9±0.1	20	25	18.8	1.8 Arms					3000	
81-ECASD61A686M015K0	ECASD61A686M015K00	68	10	2.8±0.3	20	15	27.2	2.0 Arms					2500	
81-ECASD91A107M010K0	ECASD91A107M010K00	100	10	4.2±0.3	20	10	40.0	3.0 Arms					2000	
81-ECASD91A157M010K0	ECASD91A157M010K00	150	10	4.2±0.3	20	10	60.0	3.0 Arms					2000	
81-ECASD41B106M055K0	ECASD41B106M055K00	10	12.5	1.9±0.1	20	55	12.5	1.0 Arms					3000	
81-ECASD41B156M045K0	ECASD41B156M045K00	15	12.5	1.9±0.1	20	45	18.8	1.0 Arms					3000	
81-ECASD41B226M030K0	ECASD41B226M030K00	22	12.5	1.9±0.1	20	30	27.5	1.6 Arms					3000	
81-ECASD41B336M025K0	ECASD41B336M025K00	33	12.5	1.9±0.1	20	25	41.3	1.8 Arms					3000	
81-ECASD61B336M025K0	ECASD61B336M025K00	33	12.5	2.8±0.3	20	25	41.3	1.8 Arms					2500	
81-ECASD61B476M020K0	ECASD61B476M020K00	47	12.5	2.8±0.3	20	20	58.8	2.0 Arms					2500	
81-ECASD61B566M020K0	ECASD61B566M020K00	56	12.5	2.8±0.3	20	20	70.0	2.0 Arms					2500	
81-ECASD91B566M020K0	ECASD91B566M020K00	56	12.5	4.2±0.3	20	20	70.0	2.0 Arms					2000	
81-ECASD91B107M012K0	ECASD91B107M012K00	100	12.5	4.2±0.3	20	12	125.0	2.5 Arms					2000	
81-ECASD41C685M070K0	ECASD41C685M070K00	6.8	16	1.9±0.1	20	70	10.9	1.0 Arms					3000	
81-ECASD41C106M060K0	ECASD41C106M060K00	10	16	1.9±0.1	20	60	16.0	1.0 Arms					3000	
81-ECASD41C156M040K0	ECASD41C156M040K00	15	16	1.9±0.1	20	40	24.0	1.0 Arms					3000	
81-ECASD61C226M030K0	ECASD61C226M030K00	22	16	2.8±0.3	20	30	35.2	1.6 Arms					2500	

NICHICON Electric Double Layer Supercapacitors



This product is RoHS compliant.

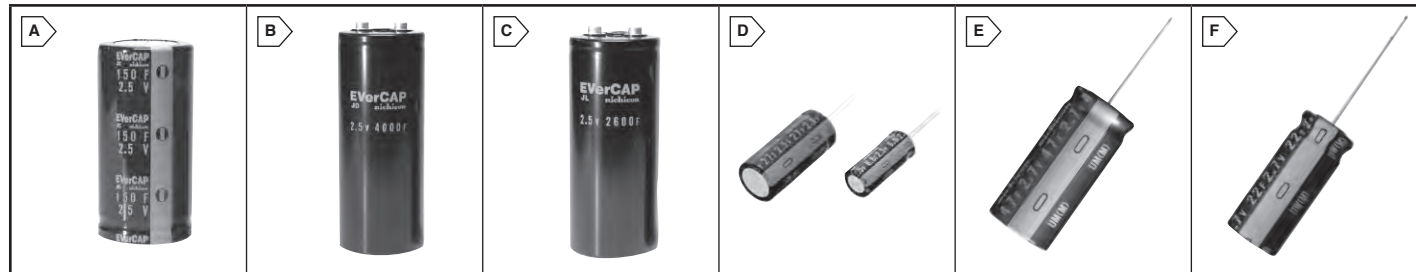
Nichicon offers the Electric Double Layer Supercapacitors (EDLC) EverCAP® series. The Supercapacitors EverCAP® series is adapted to the RoHS directive (2002/95/EC) and the features listed below.

Features:

- Series JC features high energy, high density, in a screw terminal type, excellent voltage holding property
- Series JD features high energy density in a screw terminal type, suitable for electric power storage
- Series JL features a high power density in a screw terminal type, for rapid charge-discharge
- Series UM features radial leads and a rated voltage range of 2.7V, for quick charge and discharge
- Series UW is one rank smaller case size than the UM series

Specifications:

- 20% Tolerance



JC SERIES SNAP-IN TERMINAL TYPE

- Temperature Range: -25°C to +60°C
- Rated voltage: 2.5
- ※250 piece standard size pack



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Fig.	Capacitance	ESR	Lead Spacing	Dimensions (øD X L)	Price Each				
							1	10	50	100	200
647-JJC0E226MELB	JJC0E226MELB	A	22F	90 mOhms	10mm	30 x 20mm					
647-JJC0E276MELZ*	JJC0E276MELZ	A	27F	90 mOhms	10mm	22 x 30mm					
647-JJC0E107MELC	JJC0E107MELC	A	100F	50 mOhms	10mm	35 x 40mm					
647-JJC0E127MELC	JJC0E127MELC	A	120F	50 mOhms	10mm	35 x 40mm					
647-JJC0E157MELC	JJC0E157MELC	A	150F	40 mOhms	10mm	35 x 50mm					

JD SERIES SCREW TERMINAL HIGH ENERGY DENSITY

- Temperature Range: -25°C to +60°C
- Rated voltage: 2.5
- ※※ The listed DCR value is typical and therefore not a guaranteed value



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Fig.	Capacitance	DCR ※※ (Typical)	Lead Spacing	Dimensions (øD X L)	Price Each				
							1	10	50	100	200
647-JJD0E607MSEC	JJD0E607MSEC	B	600F	13.5 mOhms	12.7mm	35 x 85mm					
647-JJD0E138MSED	JJD0E138MSED	B	1300F	6.0 mOhms	18.8mm	40 x 135mm					
647-JJD0E238MSEF	JJD0E238MSEF	B	2300F	4.0 mOhms	22mm	51 x 135mm					
647-JJD0E258MSEF	JJD0E258MSEF	B	2500F	3.5 mohms	22mm	51 x 150mm					

JL SERIES SCREW TERMINAL HIGH POWER DENSITY

- Temperature Range: -25°C to +60°C
- Rated voltage: 2.5
- ※※ The listed DCR value is typical and therefore not a guaranteed value



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Fig.	Capacitance	DCR ※※ (Typical)	Lead Spacing	Dimensions (øD X L)	Price Each				
							1	10	50	100	200
647-JJL0E707MSED	JJL0E707MSED	C	700F	3.5 mOhms	18.8mm	40 x 105mm					
647-JJL0E158MSEF	JJL0E158MSEF	C	1500F	1.8 mOhms	22mm	51 x 135mm					

UK SERIES RADIAL LEAD LOW RESISTANCE

- Temperature Range: -40°C to +70°C
- Rated voltage: 2.5



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Fig.	Capacitance	ESR	Lead Spacing	Dimensions (øD X L)	Price Each		
							1	10	50
647-JUK0E685MHD	JUK0E685MHD	D	6.8uF	0.075 Ohms	5mm	12.5 x 31.5mm			
647-JUK0E126MHD	JUK0E126MHD	D	12uF	0.060 Ohms	7.5mm	16 x 31.5mm			
647-JUK0E186MHD	JUK0E186MHD	D	18uF	0.055 Ohms	7.5mm	18 x 31.5mm			
647-JUK0E276MHD	JUK0E276MHD	D	27uF	0.040 Ohms	7.5mm	18 x 40mm			

UM SERIES RADIAL LEAD HIGH VOLTAGE

- Temperature Range: -25°C to +70°C
- Rated voltage: 2.7



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Fig.	Capacitance	ESR	Lead Spacing	Dimensions (øD X L)	Price Each				
							1	10	50	100	200
647-JUMT1474MED	JUMT1474MED	E	0.47F	4 Ohms	2.5mm	6.3 x 11mm					
647-JUMT1105MPD	JUMT1105MPD	E	1.0F	2 Ohms	3.5mm	8 x 11.5mm					
647-JUMT1225MPD	JUMT1225MPD	E	2.2F	2 Ohms	3.5mm	8 x 20mm					
647-JUMT1335MPD	JUMT1335MPD	E	3.3F	1 Ohms	5mm	10 x 20mm					
647-JUMT1475MHD	JUMT1475MHD	E	4.7F	0.4 Ohms	5mm	12.5 x 20mm					
647-JUMT1106MHD	JUMT1106MHD	E	10F	0.1 Ohms	5mm	12.5 x 31.5mm					
647-JUMT1226MHD	JUMT1226MHD	E	22F	0.1 Ohms	7.5mm	16 x 31.5mm					
647-JUMT1336MHD	JUMT1336MHD	E	33F	0.1 Ohms	7.5mm	18 x 31.5mm					
647-JUMT1476MHD	JUMT1476MHD	E	47F	0.1 Ohms	7.5mm	18 x 40mm					

UW SERIES RADIAL LEAD HIGH VOLTAGE

- Temperature Range: -25°C to +70°C
- Rated voltage: 2.7

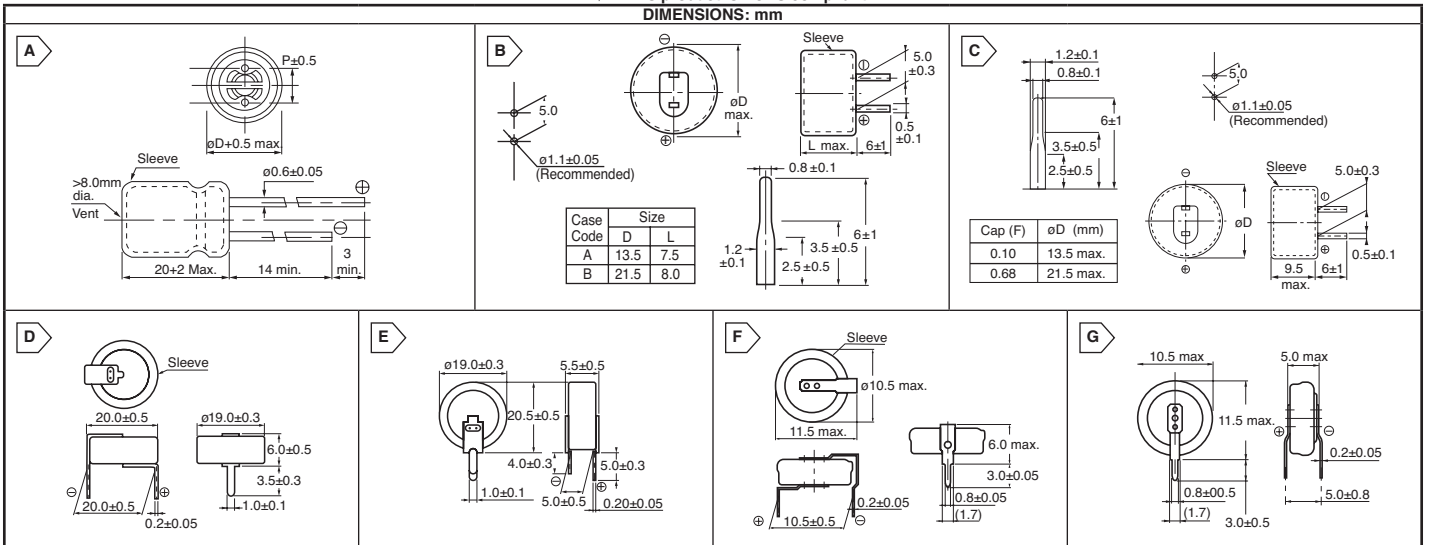


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Fig.	Capacitance	ESR	Lead Spacing	Dimensions (øD X L)	Price Each				
							1	10	50	100	200
647-JUWT1105MCD	JUWT1105MCD	F	1F	4 Ohms	2.5mm	6.3 x 9mm					
647-JUWT1155MPD	JUWT1155MPD	F	1.5F	3 Ohms	3.5mm	8 x 11.5mm					
647-JUWT1275MPD	JUWT1275MPD	F	2.7F	2 Ohms	3.5mm	8 x 20mm					
647-JUWT1475MPD	JUWT1475MPD	F	4.7F	1 Ohms	5mm	10 x 20mm					
647-JUWT1685MHD	JUWT1685MHD	F	6.8F	0.8 Ohms	5mm	12.5 x 20mm					
647-JUWT1126MPD	JUWT1126MPD	F	12F	0.4 Ohms	5mm	10 x 31.5mm					
647-JUWT1226MHD	JUWT1226MHD	F	22F	0.3 Ohms	5mm	12.5 x 31.5mm					
647-JUWT1336MHD	JUWT1336MHD	F	33F	0.2 Ohms	7.5mm	16 x 31.5mm					
647-JUWT1476MHD	JUWT1476MHD	F	47F	0.2 Ohms	7.5mm	18 x 31.5mm					
647-JUWT1826MHD	JUWT1826MHD	F	82F	0.1 Ohms	7.5mm	18 x 40mm					

This product is RoHS compliant.



Supercapacitors

Panasonic

THRU HOLE CAPACITORS

EEC-HZ Series

- Features:**
- Miniaturized, high withstand voltage
 - Can be discharged mA or more current
- Specifications:**
- Temp. Range: -25°C - 60°C
 - Max. Operating Voltage: 2.5VDC
 - Nominal Cap. Range: 3.3F, 4.7F, 10F
 - Capacitance Tolerance: -20% to +40%
- Recommended Applications:**
- Solar battery operated circuits
 - Back up power suppliers (UPS)
- For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1KHz)	Dimensions: mm		Price Each			
					(øD) Diameter	(P) Lead Space	1	25	100	500
667-EEC-HZ0E335	EECHZ0E335	A	3.3	≤0.3	8	3.5				
667-EEC-HZ0E475	EECHZ0E475	A	4.7	≤0.3	10	5.0				
667-EEC-HZ0E106	EECHZ0E106	A	10	≤0.2	10	5.0				

STACKED COIN CAPACITORS

F Series

- Features:**
- Endurance: +85°C 1000h
- Specifications:**
- Temperature Range: -25°C to +85°C
 - Maximum Operating Voltage: 5.5VDC
 - Nominal Cap. Range: 0.033F to 1.0F
- For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1KHz)	Recommended Discharge Rate (Max. mA)	Terminal Style	Price Each			
							1	25	100	500
667-EEC-F5R5H473	EECF5R5H473	B	0.047	≤120	.0379 ~ .0846	-				
667-EEC-F5R5H104	EECF5R5H104	B	0.1	≤100	.08 ~ .018	-				
667-EEC-F5R5H474	EECF5R5H474	B	0.47	≤75	.376 ~ .0846	-				
667-EEC-F5R5H684	EECF5R5H684	B	0.68	≤50	.476 ~ 1.224	-				
667-EEC-F5R5H105	EECF5R5H105	B	1.0	≤30	.8 ~ 1.8	-				
667-EEC-F5R5U105	EECF5R5U105	B	1.0	≤30	1.2 ~ 2.7	-				

NF Series

- Features:**
- Endurance: 70°C 1000h
- Recommended Applications:**
- Memory backup for video and audio equipment, cameras, telephones, printers, data terminals, rice cookers, intelligent remote controls
- For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1KHz)	Recommended Discharge Rate (Max. mA)	Terminal Style	Price Each			
							1	25	100	500
667-EEC-F5R5U104	EECF5R5U104	B	0.1	≤75	.08 ~ .18	-				
667-EEC-F5R5U224	EECF5R5U224	B	0.22	≤75	.176 ~ .396	-				
667-EEC-F5R5U474	EECF5R5U474	B	0.47	≤30	.376 ~ 1.41	-				
667-EEC-F5R5U105	EECF5R5U105	B	1.0	≤30	.8 ~ 1.8	-				
667-EEC-F5R5U155	EECF5R5U155	B	1.5	≤30	1.2 ~ 2.7	-				

RF Series

- Features:**
- Endurance: 85°C 2000h
 - Can be discharged mA current
- Recommended Applications:**
- Backup of data/RTC or base station, electronic meter, and industrial equipment
 - For assist of rapid load charge
- For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1KHz)	Recommended Discharge Rate (Max. mA)	Terminal Style	1	25	100	500
667-EEC-RF0H684	EECRF0H684	C	0.68	≤20	20	-				

RG Series

- Features:**
- Miniaturized, high withstand voltage
 - Can be discharge mA or more current
- Specifications:**
- Temperature Range: -25°C to +85°C
- For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1KHz)	Recommended Discharge Rate (Max. mA)	Terminal Style	1	25	100	500
667-EEC-RG0V105H	EECRG0V105H	D	1.0	≤20	20	H				
667-EEC-RG0V105V	EECRG0V105V	E	1.0	≤20	20	V				
667-EEC-RG0V224H	EECRG0V224H	F	0.22	≤50	1 or less	H				
667-EEC-RG0V224V	EECRG0V224V	G	0.22	≤50	1 or less	V				

SD Series

- Features:**
- Endurance: 70°C 1000h
- Specifications:**
- Category Temp. Range: -25°C to +70°C
 - Max. Operating Voltage: 5.5VDC
 - Nominal Cap. Range: 0.022F to 0.33F
- Recommended Applications:**
- Memory backup for video and audio equipment, cameras, telephones, printers, data terminals, rice cookers, intelligent remote controls
- For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1KHz)	Recommended Discharge Rate (Max. mA)	Terminal Style	1	25	100	500
667-EEC-S0HD223V	EECS0HD223V	G	0.022	≤150	.0176 ~ .0396	V				
667-EEC-S0HD223H	EECS0HD223H	F	0.022	≤150	.0176 ~ .0396	H				
667-EEC-S0HD473V	EECS0HD473V	G	0.047	≤120	.0376 ~ .0846	V				
667-EEC-S0HD473H	EECS0HD473H	F	0.047	≤120	.0376 ~ .0846	H				
667-EEC-S0HD104V	EECS0HD104V	G	0.1	≤75	.08 ~ .18	V				
667-EEC-S0HD104H	EECS0HD104H	F	0.1	≤75	.08 ~ .18	H				
667-EEC-S0HD224V	EECS0HD224V	G	0.22	≤75	.176 ~ .396	V				
667-EEC-S0HD224H	EECS0HD224H	F	0.22	≤75	.176 ~ .396	H				
667-EEC-S0HD334V	EECS0HD334V	G	0.33	≤75	.264 ~ .594	V				
667-EEC-S0HD334H	EECS0HD334H	F	0.33	≤75	.264 ~ .594	H				

SG Series

- Features:**
- Endurance: 70°C 1000h
 - Maximum height of 6.5mm (H Terminal)
- Recommended Applications:**
- Memory backup for video and audio equipment, cameras, telephones, printers, data terminals, rice cookers, intelligent remote controls
- For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1KHz)	Recommended Discharge Rate (Max. mA)	Terminal Style	1	25	100	500
667-EEC-S5R5H474	EECS5R5H474	D	0.47	≤30	.376 ~ 1.41	H				
667-EEC-S5R5V474	EECS5R5V474	E	0.47	≤30	.376 ~ 1.41	V				
667-EEC-S5R5H105	EECS5R5H105	D	1.0	≤30	.8 ~ 1.8	H				
667-EEC-S5R5V105	EECS5R5V105	E	1.0	≤30	.8 ~ 1.8	V				
667-EEC-S5R5H155	EECS5R5H155	D	1.5	≤30	1.2 ~ 2.7	H				
667-EEC-S5R5V155	EECS5R5V155	E	1.5	≤30	1.2 ~ 2.7	V				

POWERSTOR® Supercapacitors



This product is RoHS compliant.



PowerStor®, a Cooper Bussmann brand, is a family of **supercapacitors** featuring ultra-low resistance and unique high-energy storage for electronic circuits and portable devices. PowerStor devices are ideal for pulse power and electronic memory circuitry applications with an **supercapacitor** the size of an "AA" alkaline battery capable of peak current up to 35amps. PowerStor supercapacitors come in cylindrical and coin cell packages to meet power, space and mounting requirements.

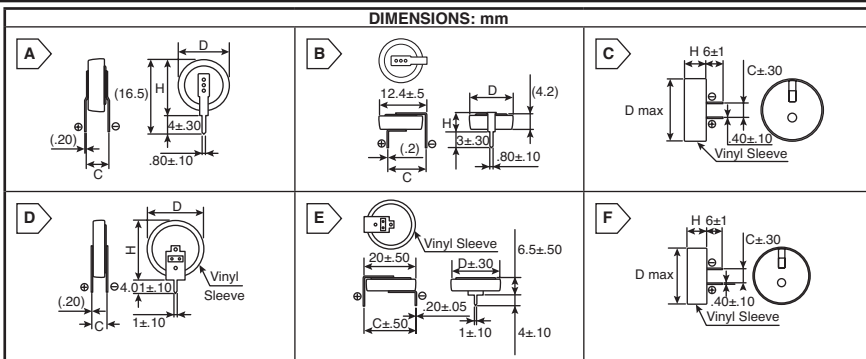
KR SERIES - COIN CELL SUPERCAPACITORS

The KR Series offers a wide range of high capacitance coin cell style products for use in memory and RTC back-up applications. End products include computers, cameras, camcorders, telephones, printers, car stereos, CCTV, set top box and PDP.

- Specifications:**
- Working Voltage: 5.5V
 - Surge Voltage: 6.3V
 - Nominal Capacitance Range: 0.1 to 1.5F
 - Capacitance Tolerance: -20% to +80% (20°C)
 - Operating Temperature Range: -25°C to 70°C
- Typical Applications:**
- Computer and peripherals
 - Telephones
 - DSL modems and routers
 - Digital Radios
 - Set top boxes

- Features and Benefits:**
- High specific capacitance
 - Low leakage current
 - Long cycle life
 - Eco-friendly

Performance		
Parameters	Capacitance Change (% of Initial Measured Value)	ESR (% of Initial Specified Value)
Life (1000hrs. @ 70°C @ 5.5Vdc)	≤ 30	≤ 400
Storage - Low and High Temperature (1000hrs. @ -25°C and 70°C)	≤ 30	≤ 400



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bussmann Part No.	Fig.	Nominal Capacitance (F)	Nominal ESR (Ω) Measured at 1kHz	Nominal Dimensions (mm)			Typical Mass (grams/1 piece)	Price Each					
					Diameter	Height	Lead C to C		1	25	50	100	250	500
504-KR-5R5V104-R	KR-5R5V104-R	A	0.1	75	11.5	12.5	5	1.4						
504-KR-5R5H104-R	KR-5R5H104-R	B	0.1	75	11.5	5	10	1.4						
504-KR-5R5C104-R	KR-5R5C104-R	C	0.1	75	13.5	7.5	5	3.3						
504-KR-5R5C224-R	KR-5R5C224-R	C	0.22	75	13.5	7.5	5	3.3						
504-KR-5R5V334-R	KR-5R5V334-R	A	0.33	50	11.5	12.5	5	1.4						
504-KR-5R5H334-R	KR-5R5H334-R	B	0.33	50	11.5	5	10	1.4						
504-KR-5R5C334-R	KR-5R5C334-R	C	0.33	50	13.5	7.5	5	3.3						
504-KR-5R5V474-R	KR-5R5V474-R	A	0.47	50	11.5	12.5	5	1.4						
504-KR-5R5H474-R	KR-5R5H474-R	B	0.47	50	11.5	5	10	1.4						
504-KR-5R5C474-R	KR-5R5C474-R	C	0.47	50	13.5	7.5	5	3.3						
504-KR-5R5V105-R	KR-5R5V105-R	D	1.0	30	19	19.5	5	4.2						
504-KR-5R5H105-R	KR-5R5H105-R	E	1.0	30	19	6.5	20	4.2						
504-KR-5R5C105-R	KR-5R5C105-R	F	1.0	30	21.5	7.5	5	9.1						
504-KR-5R5V155-R	KR-5R5V155-R	D	1.5	30	19	19.5	5	4.2						
504-KR-5R5H155-R	KR-5R5H155-R	E	1.5	30	19	6.5	20	4.2						
504-KR-5R5C155-R	KR-5R5C155-R	F	1.5	30	21.5	7.5	5	9.1						

P SERIES AND PM SERIES - SUPERCAPACITORS

Common Features and Benefits:

- Ultra-low ESR
- High Capacitance
- Long Life Cycle
- Low Leakage Currents
- High Energy Density

P Series Specifications:

- Working Voltage: 5.0V
- Surge Voltage Rating: 6V
- Nominal Capacitance Range: 0.1F to 1.0F
- Capacitance Tolerance: -20% to +80% (20°C)
- Operating Temperature Range: -25°C to 70°C

PM Series Specifications:

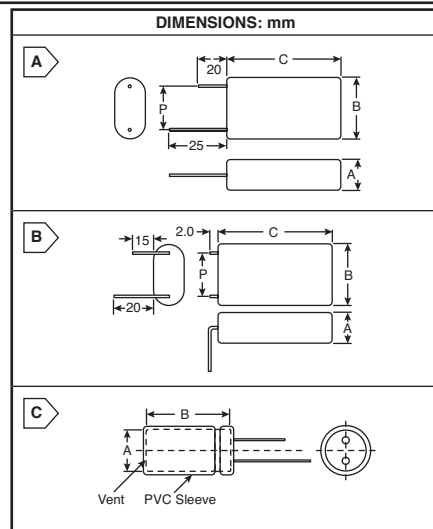
- Surge Voltage Rating: 5.5V
- Operating Temperature Range: -40°C to 85°C (max. working voltage: 3.9V)

Applications:

- Pulse Power
- Bridge or Hold-up Power

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bussmann Part No.	Fig.	Nominal Capacitance (F)	Nominal ESR (Ω) Measured at 1kHz	Voltage	Price Each				
						1	25	50	100	250
504-PA-5R0V224-R	PA-5R0V224-R	A	0.224	0.3	5.0					
504-PA-5R0V474-R	PA-5R0V474-R	A	0.47	0.2	5.0					
504-PB-5R0H104-R	PB-5R0H104-R	B	0.1	10	5.0					
504-PB-5R0H105-R	PB-5R0H105-R	B	1.0	1.0	5.0					
504-PB-5R0H474-R	PB-5R0H474-R	B	0.47	2.0	5.0					
504-PB-5R0V474-R	PB-5R0V474-R	A	0.47	2.0	5.0					
504-PM-5R0V155-R	PM-5R0V155-R	A	1.5	0.07	5.0					
504-PM-5R0V305-R	PM-5R0V305-R	A	3.0	0.05	5.0					
504-PM-5R0H474-R	PM-5R0H474-R	A	0.47	0.3	5.0					
504-PM-5R0H105-R	PM-5R0H105-R	A	1.0	0.15	5.0					
504-PM-5R0V474-R	PM-5R0V474-R	A	0.47	0.3	5.0					



Applications:

- Pulse Power
- Bridge or Hold-up Power

M SERIES SUPERCAPACITORS

Specifications:

- Working Voltage: 2.5V
- Nominal Capacitance Range: 1F to 9F
- Capacitance Tolerance: -20% to +80% (20°C)
- Surge Voltage Rating: 3V
- Operating Temperature Rating: -40°C to +60°C

MOUSER STOCK NO.	Bussmann Part No.	Fig.	Capacitance (F)	Nominal ESR (Ω) (Equivalent Series Resistance) Measured @		Nominal Dimensions (mm)		Typical Mass (grams/piece)	Price Each					
				1kHz	DC	Diameter (A)	Length (B)		1	25	50	100	250	
504-M0810-2R5105-R	M0810-2R5105-R	C	1	0.15	0.2	ø8	13	1.2						
504-M0820-2R5205-R	M0820-2R5205-R	C	2	0.075	0.1	ø8	20	1.5						
504-M1020-2R5305-R	M1020-2R5305-R	C	3	0.035	0.05	ø10	20.5	2.8						
504-M1030-2R5605-R	M1030-2R5605-R	C	6	0.025	0.035	ø10	30	3.9						
504-M1325-2R5905-R	M1325-2R5905-R	C	9	0.02	0.03	ø13	26	5.6						

PHB AND PHV SERIES - SUPERCAPACITORS

Specifications:

- Large capacitance for high energy density
- Low ESR for high power density

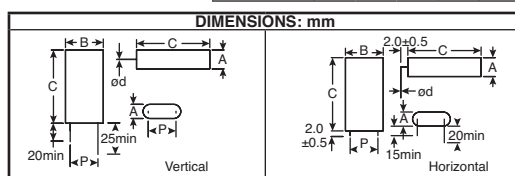
Replace with V for Vertical, H for Horizontal.

For quantities greater than listed, call for quote.

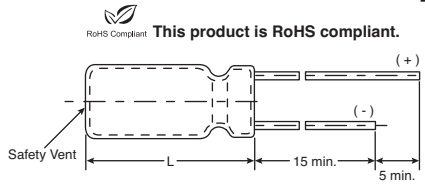
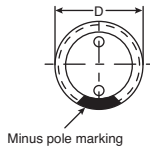
MOUSER STOCK NO.	Bussmann Part No.	Nominal Capacitance (F)	Voltage	Maximum ESR (Ω)		Price Each					
				1kHz	100Hz	1	25	50	100		
504-PHB-5R0 155-R	PHB-5R0 155-R	1.5	5	0.31	0.33						
504-PHB-5R0 255-R	PHB-5R0 255-R	2.5	5	0.19	0.20						
504-PHB-5R0 305-R	PHB-5R0 305-R	3	5	0.19	0.20						
504-PHB-5R0 505-R	PHB-5R0 505-R	5	5	0.12	0.13						
504-PHV-5R4 474-R	PHV-5R4 474-R	0.47	5.4	0.30	0.40						
504-PHV-5R4 155-R	PHV-5R4 155-R	1.5	5.4	0.12	0.16						
504-PHV-5R4 255-R	PHV-5R4 255-R	2.5	5.4	0.075	0.08						
504-PHV-5R4 305-R	PHV-5R4 305-R	3	5.4	0.075	0.08						
504-PHV-5R4 505-R	PHV-5R4 505-R	5	5.4	0.065	0.07						



Nominal Capacitance (F)	A	B	C	ød	P
0.47	9.0	17.3	14.5	0.5	11.8
1.5	9.0	17.3	22.0	0.5	11.8
2.5	11.0	21.3	23.0	0.6	5.3
3.0	9.0	17.3	32.5	0.5	11.8
5.0	11.0	21.3	32.5	0.6	5.3
Tolerances	Maximum				±0.02 ±0.5



EPCOS Radial Aluminum Electrolytic Capacitors



This product is RoHS compliant.

7MM HEIGHT RADIAL ELECTROLYTIC CAPACITORS

Features:

- Ultra compact: height up to 7mm
- Suitable to replace low cost tantalum capacitors
- Load life of 1000 hours at 85°C

Applications:

- Car radio, EPD systems

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Voltage (DC)	Value (uF)	Case Size (DxL mm)	Lead Space (mm)	Ripple Current (mA)	Price Each				
							1	10	100	500	1000
871-B41002A4106M000	B41002A4106M000	16	10	4x7	1.5	30					

LOW IMPEDANCE RADIAL ELECTROLYTIC CAPACITORS 105°C

Features:

- Miniaturized dimensions
- Load life of 2000 hours at 105°C

Applications:

- For low impedance applications
- For filtering, coupling and pulse circuits
- Semi-professional to professional application range

871-B43041A5226M000	B43041A5226M000	450	22	12.5x25	5.0	170					
871-B41041A7108M000	B41041A7108M000	35	1000	12.5x25	5.0	1,158					
871-B41041A4228M000	B41041A4228M000	16	2200	12.5x25	5.0	1,310					
871-B41041A7228M000	B41041A7228M000	35	2200	16x31.5	7.5	1,810					

VERY LOW IMPEDANCE RADIAL ELECTROLYTIC CAPACITORS 105°C

Features:

- High CV value
- Very low impedance at high frequencies
- High reliability
- Load life of 5000 hours at 105°C

Applications:

- Professional switch mode power supplies

871-B41044A9476M000	B41044A9476M000	100	47	10x16	5.0	417					
871-B41044A7108M000	B41044A7108M000	35	1000	12.5x25	5.0	1,700					

RADIAL ELECTROLYTIC CAPACITORS 85°C

Features:

- Miniaturized dimensions
- Load life of 2000 hours at 85°C

Applications:

- For general purpose applications in the entertainment industry
- For filtering, coupling and pulse circuit
- Semi-professional to professional application range

871-B43827A9105M000	B43827A9105M000	400	1.0	6.3x11	2.5	23					
871-B41827A9225M000	B41827A9225M000	100	2.2	5x11	2.0	29					
871-B41827A9475M000	B41827A9475M000	100	4.7	5x11	2.0	43					
871-B43827A1475M000	B43827A1475M000	160	4.7	6.3x11	2.5	49					
871-B43827F2475M000	B43827F2475M000	250	4.7	8x11.5	3.5	56					
871-B41827A6106M000	B41827A6106M000	50	10	5x11	2.0	58					
871-B41827A9106M000	B41827A9106M000	100	10	6.3x11	2.5	75					
871-B43827A5106M000	B43827A5106M000	450	10	12.5x20	5.0	95					
871-B41827A6226M000	B41827A6226M000	50	22	5x11	2.0	85					
871-B43827A1226M000	B43827A1226M000	160	22	10x16	5.0	152					
871-B43827A9226M000	B43827A9226M000	400	22	16x25	7.5	200					
871-B43827A1336M000	B43827A1336M000	160	33	10x20	5.0	203					
871-B41827A5476M000	B41827A5476M000	25	47	5x11	2.0	108					
871-B41827A6476M000	B41827A6476M000	50	47	6.3x11	2.5	155					
871-B41827A4107M000	B41827A4107M000	16	100	5x11	2.0	160					
871-B41827A5107M000	B41827A5107M000	25	100	6.3x11	2.5	192					
871-B41827A7107M000	B41827A7107M000	35	100	6.3x11	2.5	212					
871-B41827A6107M000	B41827A6107M000	50	100	8x11.5	3.5	260					
871-B41827A8107M000	B41827A8107M000	63	100	10x12.5	5.0	300					
871-B43827A1107M000	B43827A1107M000	160	100	16x25	7.5	423					
871-B41827A4227M000	B41827A4227M000	16	220	6.3x11	2.5	261					
871-B41827A5227M000	B41827A5227M000	25	220	8x11.5	3.5	335					
871-B41827A7227M000	B41827A7227M000	35	220	10x12.5	5.0	390					
871-B41827A4477M000	B41827A4477M000	16	470	8x11.5	3.5	446					
871-B41827A5477M000	B41827A5477M000	25	470	10x12.5	5.0	427					
871-B41827A7477M000	B41827A7477M000	35	470	10x16	5.0	652					
871-B41827A8477M000	B41827A8477M000	63	470	12.5x25	5.0	900					
871-B41827A4108M000	B41827A4108M000	16	1000	10x16	5.0	790					
871-B41827A5108M000	B41827A5108M000	25	1000	10x20	5.0	962					
871-B41827A7108M000	B41827A7108M000	35	1000	12.5x25	5.0	1,158					
871-B41827A3228M000	B41827A3228M000	10	2200	10x20	5.0	1,082					
871-B41827A4228M000	B41827A4228M000	16	2200	12.5x25	5.0	1,310					
871-B41827A5228M000	B41827A5228M000	25	2200	12.5x25	5.0	1,560					
871-B41827A7228M000	B41827A7228M000	35	2200	16x25	7.5	1,810					
871-B41827A7338M000	B41827A7338M000	35	3300	16x31.5	7.5	2,293					
871-B41827A3478M000	B41827A3478M000	10	4700	12.5x25	5.0	1,783					

RADIAL ELECTROLYTIC CAPACITORS 105°C

Features:

- Miniaturized dimensions
- Load life of 2000 hours at 105°C

Applications:

- For general purpose applications in the entertainment industry
- For filtering, coupling and pulse circuits
- Semi-professional to professional application range

871-B41828A6226M000	B41828A6226M000	50	22	5x11	2.0	70					
871-B43828A1476M000	B43828A1476M000	160	47	12.5x25	5.0	218					
871-B41828A5107M000	B41828A5107M000	25	100	6.3x11	2.5	143					
871-B41828A6107M000	B41828A6107M000	50	100	8x11.5	3.5	193					
871-B43828A1107M000	B43828A1107M000	160	100	16x25	7.5	322					
871-B41828A5477M000	B41828A5477M000	25	470	10x16	5.0	429					

KEMET Aluminum Electrolytic Capacitors

The Capacitance Company



This product is RoHS compliant.

ESC SERIES 105°C LOW IMPEDANCE

Features:

- High frequency switching mode circuits
- Case with $\phi D > 6.0$ mm has the safety vent at the bottom

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μ F)	Case Size D x L (mm)	LS (mm)	Price Each		
					1	50	100
10 Volt							
80-ESC687M010AH1AA	ESC687M010AH1AA	680	10 x 12	5			
16 Volt							
80-ESC107M016AC3AA	ESC107M016AC3AA	100	5 x 11	2			
80-ESC477M016AH1AA	ESC477M016AH1AA	470	10 x 12	5			
80-ESC108M016AH4AA	ESC108M016AH4AA	1000	10 x 9	5			
35 Volt							
80-ESC106M035AC3AA	ESC106M035AC3AA	10	5 x 11	2			
80-ESC686M035AE3AA	ESC686M035AE3AA	68	6 x 11	2.5			
80-ESC107M035AG3AA	ESC107M035AG3AA	100	8 x 11	3.5			
80-ESC227M035AH1AA	ESC227M035AH1AA	220	10 x 12	5			

ESG SERIES 105°C LOW IMPEDANCE LONG LIFE

Features:

- High reliability

Applications:

- Electronic ballast and other long life equipment

MOUSER STOCK NO.	KEMET Part No.	Value (μ F)	Case Size D x L (mm)	LS (mm)	Price Each		
					1	50	100
250 Volt							
80-ESG226M250AL3AA	ESG226M250AL3AA	22	13 x 20	5			
80-ESG476M250AM5AA	ESG476M250AM5AA	47	16 x 20	7.5			
400 Volt							
80-ESG475M400AH2AA	ESG475M400AH2AA	4.7	10 x 15	5			
80-ESG226M400AL4AA	ESG226M400AL4AA	22	13 x 25	5			

ESH SERIES 105°C GENERAL PURPOSE

Features:

- High reliability

Applications:

- Coupling, decoupling, by-pass, filtering

MOUSER STOCK NO.	KEMET Part No.	Value (μ F)	Case Size D x L (mm)	LS (mm)	Price Each		
					1	50	100
16 Volt							
80-ESH226M016AC3AA	ESH226M016AC3AA	22	5 x 11	2			
80-ESH476M016AC3AA	ESH476M016AC3AA	47	10 x 16	5			
80-ESH108M016AH2AA	ESH108M016AH2AA	1000	10 x 20	5			
80-ESH108M016AH4AA	ESH108M016AH4AA	1000	5 x 11	2			
25 Volt							
80-ESH476M025AC3AA	ESH476M025AC3AA	47	6.3 x 11	2.5			
80-ESH107M025AE3AA	ESH107M025AE3AA	100	16 x 25	7.5			
80-ESH477M025AH2AA	ESH477M025AH2AA	470	5 x 11	2			
80-ESH228M025AM7AA	ESH228M025AM7AA	2200	10 x 16	5			
35 Volt							
80-ESH476M035AE3AA	ESH476M035AE3AA	47	6 x 11	2.5			
80-ESH107M035AG3AA	ESH107M035AG3AA	100	8 x 11	3.5			
80-ESH477M035AH3AA	ESH477M035AH3AA	470	10 x 17	5			
80-ESH477M035AL3AA	ESH477M035AL3AA	470	13 x 20	5			
50 Volt							
80-ESH105M050AC3AA	ESH105M050AC3AA	1	5 x 11	2			
80-ESH225M050AC3AA	ESH225M050AC3AA	2.2	5 x 11	2			
80-ESH475M050AC3AA	ESH475M050AC3AA	4.7	18 x 36	7.5			
80-ESH106M050AC3AA	ESH106M050AC3AA	10	5 x 11	2			
80-ESH477M050AL3AA	ESH477M050AL3AA	470	5 x 11	2			
80-ESH228M050AN2AA	ESH228M050AN2AA	2200	13 x 20	5			
63 Volt							
80-ESH685M063AC3AA	ESH685M063AC3AA	6.8	5 x 11	2			
80-ESH106M063AC3AA	ESH106M063AC3AA	10	5 x 11	2			
100 Volt							
80-ESH106M100AE3AA	ESH106M100AE3AA	10	6 x 11	2.5			
400 Volt							
80-ESH225M400AG3AA	ESH225M400AG3AA	2.2	8 x 11	5			
80-ESH475M400AH2AA	ESH475M400AH2AA	4.7	10 x 15	5			

ESX SERIES 105°C LOW IMPEDANCE

MOUSER STOCK NO.	KEMET Part No.	Value (μ F)	Case Size D x L (mm)	LS (mm)	Price Each		
					1	50	100
35 Volt							
80-ESX108M035AK2AA	ESX108M035AK2AA	1000	12 x 30	5			
50 Volt							
80-ESX108M050AM7AA	ESX108M050AM7AA	1000	16 x 25	7.5			

ESK SERIES 85°C GENERAL PURPOSE

Applications:

- Coupling, decoupling, by-pass, filtering

MOUSER STOCK NO.	KEMET Part No.	Value (μ F)	Case Size D x L (mm)	LS (mm)	Price Each		
					1	50	100
6.3 Volt							
80-ESK108M6R3AG3AA	ESK108M6R3AG3AA	1000	8 x 11	3.5			
16 Volt							
80-ESK108M016AH2AA	ESK108M016AH2AA	1000	10 x 15	5			

PEG 226 150°C

Features:

- Up to 150°C
- Extremely high ripple current up to 28A ripple, RMS, continuous load
- High vibration resistance

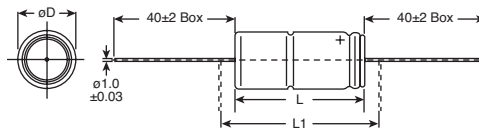
Application:

- PEG 226 is a new generation of high performance axial electrolytic capacitors, designed for automotive applications with extremely high demands

Specification:

- Standards: IEC 60384-4 long life Grade 40/125/56
- Capacitance range: 250-4700 μ F
- Capacitance tolerance: -10 to +30%, -20 to +20%
- Rated voltage: 25 - 63VDC
- Temperature range: -40 to +150°C
- Shelf life at: 0V +105°C 5000 h, +40°C 10 years

- Diameter range: 16 - 20mm
- Resistance to vibrations: 10 - 2000Hz, 1.5mm displacement amplitude or max 20g 3x22 hours
- The capacitors must be clamped by the body
- Life test: 2000h, 150°C ($\phi 20$ case) 1500h, 150°C ($\phi 16$ case)



D x L	Case Code	D \pm 0.5	L \pm 1	L1 min.	Weight approx (g)
16 x 27	F	16	26.5	33	8
16 x 35	G	16	34.5	41	11
20 x 27	H	20	26.5	33	13
20 x 35	J	20	34.5	41	20
20 x 43	L	20	42.5	49	24

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Evox-Rifa Part No.	Cap μ F	Volts WVDC	D X L (mm)	Case Code	IRAC T _c =125°C \geq 5 kHz (A)	IRAC T _c =140°C \geq 5 kHz (A)	IAC (max) T _a =125°C \geq 5 kHz (A)	ESR (max) 20°C(100kHz) m Ω	ESR (max) 125-150°C 5-100kHz m Ω	Price Each			
											1	10	50	100
80-PEG226HJ4330QE1	PEG226HJ4330QE1	3300	25	20x35	J	25.8	16.3	11.3	17	7.8				
80-PEG226KF3800QE1	PEG226KF3800QE1	800	40	16x27	F	16.2	10.2	7.2	36	13.6				
80-PEG226KG4120QE1	PEG226KG4120QE1	1200	40	16x35	G	18.6	11.8	8.8	26	10.3				
80-PEG226KL4270QE1	PEG226KL4270QE1	2700	40	20x43	L	27.9	17.6	12.8	13	6.7				
80-PEG226MG3370QE1	PEG226MG3370QE1	370	63	16x35	G	13.6	8.6	6.4	37	19.2				
80-PEG226MH3470QE1	PEG226MH3470QE1	470	63	20x27	H	17.3	10.9	7.0	32	17.5				

LELON Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

LELON REA 85°C GENERAL PURPOSE SERIES

Specifications:

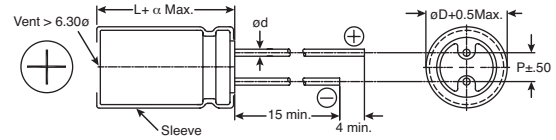
- Operating temperature range: -40°C to +85°C
- Capacitance range: .1uF ~ 22,000uF
- Capacitance tolerance: ±20% (at 120Hz, 20°C)
- Endurance: 2000 to 3000 hours @ 85°C
- Leakage current (at 20°C)



RoHS Compliant

Application Note:

A higher voltage capacitor may be used in a lower voltage application.



Lead Spacing & Dia.	DIMENSIONS: mm							
	5	6.3	8	10	12.5	16	18	22
øD	2.0	2.5	3.5	5.0			7.5	10
P								
ød	0.5			0.6			0.8	1.0
α		1.0			1.5			2.0

Lelon Aluminum Caps, Leaded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxL (mm) Max.	Price Each			
				1	100	500	1000
10 Volt (13V Surge)							
140-REA100M1HBK0511P	REA100M1HBK-0511P	10	5x11				
140-REA220M1ABK0511P	REA220M1ABK-0511P	22	5x11				
140-REA470M1ABK0511P	REA470M1ABK-0511P	47	5x11				
140-REA101M1ABK0511P	REA101M1ABK-0511P	100	5x11				
140-REA221M1ABK0611P	REA221M1ABK-0611P	220	6.3x11				
140-REA331M1ABK0811P	REA331M1ABK-0811P	330	8x11				
140-REA471M1ABK0811P	REA471M1ABK-0811P	470	8x11				
140-REA102M1ABK1012P	REA102M1ABK-1012P	1000	10x12				
140-REA222M1ABK1320P	REA222M1ABK-1320P	2200	13x20				
140-REA332M1ABK1320P	REA332M1ABK-1320P	3300	13x20				
140-REA472M1ABK1625P	REA472M1ABK-1625P	4700	16x25				
140-REA682M1ABK1625P	REA682M1ABK-1625P	6800	16x25				
140-REA103M1ABK1636P	REA103M1ABK-1636P	10000	18x36				
16 Volt (20V Surge)							
140-REA100M1CBK0511P	REA100M1CBK-0511P	10	5x11				
140-REA220M1CBK0511P	REA220M1CBK-0511P	22	5x11				
140-REA330M1CBK0511P	REA330M1CBK-0511P	33	5x11				
140-REA470M1CBK0511P	REA470M1CBK-0511P	47	5x11				
140-REA101M1CBK0611P	REA101M1CBK-0611P	100	6.3x11				
140-REA221M1CBK0811P	REA221M1CBK-0811P	220	8x11				
140-REA331M1CBK0811P	REA331M1CBK-0811P	330	8x11				
140-REA471M1CBK1012P	REA471M1CBK-1012P	470	10x13				
140-REA681M1CBK1016P	REA681M1CBK-1016P	680	10x16				
140-REA102M1CBK1016P	REA102M1CBK-1016P	1000	10x16				
140-REA152M1CBK1320P	REA152M1CBK-1320P	1500	13x20				
140-REA222M1CBK1320P	REA222M1CBK-1320P	2200	13x20				
140-REA332M1CBK1325P	REA332M1CBK-1325P	3300	13x25				
140-REA472M1CBK1625P	REA472M1CBK-1625P	4700	16x25				
140-REA682M1CBK1632P	REA682M1CBK-1632P	6800	16x32				
140-REA103M1CBK1832P	REA103M1CBK-1832P	10000	18x36				
25 Volt (32V Surge)							
140-REA4R7M1EBK0511P	REA4R7M1EBK-0511P	4.7	5x11				
140-REA100M1EBK0511P	REA100M1EBK-0511P	10	5x11				
140-REA220M1EBK0511P	REA220M1EBK-0511P	22	5x11				
140-REA330M1EBK0511P	REA330M1EBK-0511P	33	5x11				
140-REA470M1EBK0511P	REA470M1EBK-0511P	47	5x11				
140-REA101M1EBK0611P	REA101M1EBK-0611P	100	6.3x11				
140-REA221M1EBK0811P	REA221M1EBK-0811P	220	8x11				
140-REA331M1EBK1012P	REA331M1EBK-1012P	330	10x16				
140-REA471M1EBK1012P	REA471M1EBK-1012P	470	10x12				
140-REA102M1EBK1320P	REA102M1EBK-1320P	1000	13x20				
140-REA222M1EBK1625P	REA222M1EBK-1625P	2200	16x25				
140-REA332M1EBK1632P	REA332M1EBK-1632P	3300	16x32				
140-REA472M1EBK1632P	REA472M1EBK-1632P	4700	18x31				
140-REA682M1EBK1836P	REA682M1EBK-1836P	6800	22x41				
140-REA103M1EBK2240P	REA103M1EBK-2240P	10000	25x40				
35 Volt (44V Surge)							
140-REA4R7M1VBK0511P	REA4R7M1VBK-0511P	4.7	5x11				
140-REA100M1VBK0511P	REA100M1VBK-0511P	10	5x11				
140-REA220M1VBK0511P	REA220M1VBK-0511P	22	5x11				
140-REA330M1VBK0611P	REA330M1VBK-0611P	33	6.3x11				
140-REA470M1VBK0611P	REA470M1VBK-0611P	47	6.3x11				
140-REA101M1VBK0811P	REA101M1VBK-0811P	100	8x11				
140-REA221M1VBK1012P	REA221M1VBK-1012P	220	10x12				
140-REA331M1VBK1012P	REA331M1VBK-1012P	330	10x22				
140-REA471M1VBK1016P	REA471M1VBK-1016P	470	10x16				
140-REA681M1VBK1320P	REA681M1VBK-1320P	680	13x20				
140-REA102M1VBK1320P	REA102M1VBK-1320P	1000	13x20				
140-REA222M1VBK1625P	REA222M1VBK-1625P	2200	16x25				
140-REA332M1VBK1636P	REA332M1VBK-1636P	3300	18x36				
140-REA472M1VBK1836P	REA472M1VBK-1836P	4700	18x36				
140-REA682M1VBK2240P	REA682M1VBK-2240P	6800	22x41				
50 Volt (63V Surge)							
140-REAR22M1HBK0511P	REAR22M1HBK-0511P	0.22	5x11				
140-REAR47M1HBK0511P	REAR47M1HBK-0511P	0.47	5x11				
140-REA1R0M1HBK0511P	REA1R0M1HBK-0511P	1.0	5x11				
140-REA2R2M1HBK0511P	REA2R2M1HBK-0511P	2.2	5x11				
140-REA3R3M1HBK0511P	REA3R3M1HBK-0511P	3.3	5x11				
140-REA4R7M1HBK0511P	REA4R7M1HBK-0511P	4.7	5x11				
140-REA100M1HBK0511P	REA100M1HBK-0511P	10	5x11				
140-REA150M1HBK0511P	REA150M1HBK-0511P	15	5x11				
140-REA220M1HBK0511P	REA220M1HBK-0511P	22	5x11				
140-REA330M1HBK0611P	REA330M1HBK-0611P	33	6.3x11				
140-REA470M1HBK0611P	REA470M1HBK-0611P	47	8x11				
140-REA101M1HBK0811P	REA101M1HBK-0811P	100	8x11				
140-REA221M1HBK1016P	REA221M1HBK-1016P	220	10x16				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxL (mm) Max.	Price Each			
				1	100	500	1000
50 Volt (63V Surge) (Cont.)							
140-REA331M1HBK1320P	REA331M1HBK-1320P	330	13x20				
140-REA471M1HBK1320P	REA471M1HBK-1320P	470	13x20				
140-REA102M1HBK1625P	REA102M1HBK-1625P	1000	16x25				
140-REA222M1HBK1636P	REA222M1HBK-1636P	2200	16x36				
140-REA332M1HBK2240P	REA332M1HBK-2240P	3300	22x40				
140-REA472M1HBK2540P	REA472M1HBK-2540P	4700	25x40				
63 Volt (79V Surge)							
140-REA1R0M1JBK0511P	REA010M1JBK-0511P	1.0	5x11				
140-REA2R2M1JBK0511P	REA2R2M1JBK-0511P	2.2	5x11				
140-REA4R7M1JBK0511P	REA4R7M1JBK-0511P	4.7	5x11				
140-REA6R8M1JBK0511P	REA6R8M1JBK-0511P	6.8	5x11				
140-REA100M1JBK0511P	REA100M1JBK-0511P	10	5x11				
140-REA220M1JBK0611P	REA220M1JBK-0611P	22	6.3x11				
140-REA330M1JBK0811P	REA330M1JBK-0811P	33	8x11				
140-REA470M1JBK0811P	REA470M1JBK-0811P	47	8x11				
140-REA680M1JBK1012P	REA680M1JBK-1012P	68	10x12				
140-REA101M1JBK1012P	REA101M1JBK-1012P	100	10x12				
140-REA221M1JBK1016P	REA221M1JBK-1016P	220	10x16				
140-REA471M1JBK1625P	REA471M1JBK-1625P	470	16x27				
140-REA102M1JBK1625P	REA102M1JBK-1625P	1000	16x25				
140-REA222M1JBK2240P	REA222M1JBK-2240P	2200	22x40				
100 Volt (125V Surge)							
140-REA0R1M2ABK0511P	REA0R1M2ABK-0511P	0.1	5x11				
140-REAR47M2ABK0511P	REAR47M2ABK-0511P	0.47	5x11				
140-REA1R0M2ABK0511P	REA1R0M2ABK-0511P	1.0	5x11				
140-REA2R2M2ABK0511P	REA2R2M2ABK-0511P	2.2	5x11				
140-REA3R3M2ABK0511P	REA3R3M2ABK-0511P	3.3	5x11				
140-REA4R7M2ABK0511P	REA4R7M2ABK-0511P	4.7	5x11				
140-REA100M2ABK0611P	REA100M2ABK-0611P	10	6.3x11				
140-REA220M2ABK0811P	REA220M2ABK-0811P	22	8x11				
140-REA330M2ABK1016P	REA330M2ABK-1016P	33	10x16				
140-REA470M2ABK1016P	REA470M2ABK-1016P	47	10x16				
140-REA101M2ABK1020P	REA101M2ABK-1020P	100	10x20				
140-REA221M2ABK1320P	REA221M2ABK-1320P	220	13x21				
140-REA331M2ABK1625P	REA331M2ABK-1625P	330	16x26				
140-REA471M2ABK1632P	REA471M2ABK-1632P	470	18x32				
160 Volt (200V Surge)							
140-REA1R0M2CBK0511P	REA010M2CBK-0511P	1.0	5x11				
140-REA2R2M2CBK0611P	REA2R2M2CBK-0611P	2.2	6.3x11				
140-REA3R3M2CBK0811P	REA3R3M2CBK-0811P	3.3	8x11				
140-REA4R7M2CBK0811P	REA4R7M2CBK-0811P	4.7	8x11				
140-REA100M2CBK1012P	REA100M2CBK-1012P	10	10x12				
140-REA220M2CBK1020P	REA220M2CBK-1020P	22	10x20				
140-REA330M2CBK1320P	REA330M2CBK-1320P	33	13x20				
140-REA470M2CBK1320P	REA470M2CBK-1320P	47	13x20				
140-REA101M2CBK1625P	REA101M2CBK-1625P	100	16x25				
140-REA221M2CBK1632P	REA221M2CBK-1632P	220	18x36				
250 Volt (300V Surge)							
140-REA1R0M2EBK0511P	REA010M2EBK-0511P	1.0	6.3x11				
140-REA2R2M2EBK0811P	REA2R2M2EBK-0811P	2.2					

LELON Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

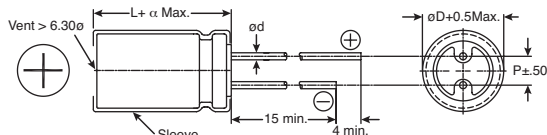
LELON RGA 105°C HIGH TEMPERATURE SERIES

Electrical Specifications:

- Operating temperature range: -40°C to +105°C
- Capacitance tolerance: ±20% (at 120Hz, 20°C)
- Endurance: 2000 hours @ 105°C

Application Note:

A higher voltage capacitor may be used in a lower voltage application



RoHS Compliant

Leakage Current (at 20°C)			
Rated Voltage	<100V		>100V
	Time	After 2 minutes	after 5 minutes
Leakage Current	1=0.01CV or 3 (µA) whichever is greater	CV<1000 1=0.03CV+15 (µA)	CV>1000 1=0.02CV+25(µA)

Where, C=rated capacitance in µF V=rated DC working voltage in V

Lead Spacing & Dia.	DIMENSIONS: mm								
	5	6.3	8	10	12.5	16	18	22	25
øD	5	6.3	8	10	12.5	16	18	22	25
P	2.0	2.5	3.5	5.0	7.5	10	12.5		
ød	0.5			0.6			0.8		1.0
α	1.0				1.5				2.0

10 Volts (13V Surge)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxDL (mm) Max.	Price Each			
				1	100	500	1000
140-RGA101M1ABK0511G	RGA101M1ABK-0511G	100	5x11				
140-RGA681M1ABK1012G	RGA681M1ABK-1012G	680	10x12				

50 Volt (63V Surge)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxDL (mm) Max.	Price Each			
				1	100	500	1000
140-RGA1R0M1HBK0511G	RGA1R0M1HBK-0511G	1.0	5x11				
140-RGA2R2M1HBK0511G	RGA2R2M1HBK-0511G	2.2	5x11				
140-RGA4R7M1HBK0511G	RGA4R7M1HBK-0511G	4.7	5x11				
140-RGA100M1HBK0511G	RGA100M1HBK-0511G	10	5x11				
140-RGA220M1HBK0511G	RGA220M1HBK-0511G	22	6.3x11				
140-RGA330M1HBK0611G	RGA330M1HBK-0611G	33	8x11				
140-RGA470M1HBK0611G	RGA470M1HBK-0611G	47	8x11				
140-RGA101M1HBK0811G	RGA101M1HBK-0811G	100	8x11				
140-RGA221M1HBK1020G	RGA221M1HBK-1020G	220	10x20				
140-RGA331M1HBK1320G	RGA331M1HBK-1320G	330	13x20				
140-RGA471M1HBK1325G	RGA471M1HBK-1325G	2200	18x36				

16 Volt (20V Surge)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxDL (mm) Max.	Price Each			
				1	100	500	1000
140-RGA220M1CBK0511G	RGA220M1CBK-0511G	22	5x11				
140-RGA470M1CBK0511G	RGA470M1CBK-0511G	47	5x11				
140-RGA101M1CBK0611G	RGA101M1CBK-0611G	100	6.3x11				
140-RGA221M1CBK0811G	RGA221M1CBK-0811G	220	8x11.5				
140-RGA331M1CBK0811G	RGA331M1CBK-0811G	330	8x11.5				
140-RGA471M1CBK1012G	RGA471M1CBK-1012G	470	10x12				
140-RGA681M1CBK1020G	RGA681M1CBK-1020G	680	10x20				
140-RGA102M1CBK1020G	RGA102M1CBK-1020G	1000	10x20				
140-RGA222M1CBK1325G	RGA222M1CBK-1325G	2200	13x25				
140-RGA472M1CBK1625G	RGA472M1CBK-1625G	4700	16x25				

63 Volt (79V Surge)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxDL (mm) Max.	Price Each			
				1	100	500	1000
140-RGA2R2M1JBK0511G	RGA2R2M1JBK-0511G	2.2	5x11				
140-RGA3R3M1JBK0511G	RGA3R3M1JBK-0511G	3.3	5x11				
140-RGA4R7M1JBK0511G	RGA4R7M1JBK-0511G	4.7	5x11				
140-RGA101M1JBK1012G	RGA101M1JBK-1012G	10	10x12				
140-RGA102M1JBK1632G	RGA102M1JBK-1632G	1000	16x32				

25 Volt (32V Surge)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxDL (mm) Max.	Price Each			
				1	100	500	1000
140-RGA100M1EBK0511G	RGA100M1EBK-0511G	10	5x11				
140-RGA220M1EBK0511G	RGA220M1EBK-0511G	22	5x11				
140-RGA330M1EBK0511G	RGA330M1EBK-0511G	33	5x11				
140-RGA470M1EBK0511G	RGA470M1EBK-0511G	47	5x11				
140-RGA101M1EBK0611G	RGA101M1EBK-0611G	100	6.3x11				
140-RGA221M1EBK0811G	RGA221M1EBK-0811G	220	8x11.5				
140-RGA331M1EBK1012G	RGA331M1EBK-1012G	330	10x12				
140-RGA471M1EBK1012G	RGA471M1EBK-1012G	470	10x12				
140-RGA102M1EBK1320G	RGA102M1EBK-1320G	1000	13x20				
140-RGA222M1EBK1625G	RGA222M1EBK-1625G	2200	16x25				

100 Volt (125V Surge)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxDL (mm) Max.	Price Each			
				1	100	500	1000
140-RGAR47M2ABK0511G	RGAR47M2ABK-0511G	0.47	5x11				
140-RGA4R7M2ABK0611G	RGA4R7M2ABK-0611G	4.7	6.3x11				
140-RGA100M2ABK0811G	RGA100M2ABK-0811G	10	8x11				
140-RGA220M2ABK0811G	RGA220M2ABK-0811G	22	8x11				
140-RGA470M2ABK1012G	RGA470M2ABK-1012G	47	10x12				
140-RGA101M2ABK1320G	RGA101M2ABK-1320G	100	13x20				
140-RGA471M2ABK1836G	RGA471M2ABK-1836G	470	18x36				
140-RGA681M2ABK1836G	RGA681M2ABK-1836G	680	18x36				

160 Volt (200V Surge)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxDL (mm) Max.	Price Each			
				1	100	500	1000
140-RGA1R0M2CBK0511G	RGA1R0M2CBK-0511G	1.0	5x11				
140-RGA2R2M2CBK0611G	RGA2R2M2CBK-0611G	2.2	6.3x11				
140-RGA4R7M2CBK0611G	RGA4R7M2CBK-0611G	4.7	6.3x11				
140-RGA100M2CBK1012G	RGA100M2CBK-1012G	10	10x12.5				
140-RGA220M2CBK1020G	RGA220M2CBK-1020G	22	10x20				
140-RGA470M2CBK1325G	RGA470M2CBK-1325G	47	13x26				
140-RGA101M2CBK1625G	RGA101M2CBK-1625G	100	16x25				

35 Volt (44V Surge)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxDL (mm) Max.	Price Each			
				1	100	500	1000
140-RGA100M1VBK0511G	RGA100M1VBK-0511G	10	5x11				
140-RGA220M1VBK0511G	RGA220M1VBK-0511G	22	5x11				
140-RGA330M1VBK0611G	RGA330M1VBK-0611G	33	6.3x11				
140-RGA470M1VBK0611G	RGA470M1VBK-0611G	47	6.3x11				
140-RGA101M1VBK0811G	RGA101M1VBK-0811G	100	8x11.5				
140-RGA221M1VBK1012G	RGA221M1VBK-1012G	220	10x12				
140-RGA331M1VBK1016G	RGA331M1VBK-1016G	330	10x16				
140-RGA471M1VBK1016G	RGA471M1VBK-1016G	470	10x16				
140-RGA102M1VBK1316G	RGA102M1VBK-1316G	1000	13x20				

250 Volt (300V Surge)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxDL (mm) Max.	Price Each			
				1	100	500	1000
140-RGA1R0M2EBK0511G	RGA1R0M2EBK-0511G	1.0	5x11				
140-RGA2R2M2EBK0611G	RGA2R2M2EBK-0611G	2.2	6.3x11				
140-RGA4R7M2EBK1016G	RGA4R7M2EBK-1016G	4.7	10x16				
140-RGA100M2EBK1016G	RGA100M2EBK-1016G	10	10x16				
140-RGA220M2EBK1320G	RGA220M2EBK-1320G	22	13x20				
140-RGA470M2EBK1325G	RGA470M2EBK-1325G	47	13x25				
140-RGA101M2EBK1636G	RGA101M2EBK-1636G	100	16x35.5				

LELON Aluminum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.

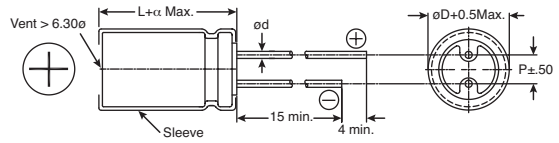
LELON RLA LOW LEAKAGE CURRENT SERIES

Electrical Specifications:

- Operating temperature range: -40°C to +85°C
- Capacitance tolerance: ±20% (@ 20°C, 120Hz)
- Endurance: 2000 hours @ 85°C
- DC Leakage current: $I = 0.002CV$ or 0.4 (µA), whichever is greater

Application Note:

A higher voltage capacitor may be used in a lower voltage application.



RoHS Compliant

Lelon Aluminum Caps, Leaded

Dissipation Factor (Tan δ, at 20°C 120Hz)									
Rated Voltage (V)	6.3	10	16	25	35	50	63	100	
Tan δ (max.)	.25	.21	.16	.14	.12	.10	.09	.08	

When the capacitance exceeds 1000µF, .02 shall be added every 1000µF increase

Lead Spacing & Diameter	DIMENSIONS: mm						
	5	6.3	8	10	12.5	16	18
φD	5	6.3	8	10	12.5	16	18
P	2.0	2.5	3.5	5.0		7.5	
φd	0.5		0.6		0.8		
α	1.0			1.5			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxL (mm) Max.	Price Each		
				1	100	500
10 Volt (13V Surge)						
140-RLA101M1ABK0511P	RLA101M1ABK-0511P	100	5x11			
140-RLA221M1ABK0611P	RLA221M1ABK-0611P	220	6.3x11			
140-RLA331M1ABK0811P	RLA331M1ABK-0811P	330	8x11			
140-RLA471M1ABK0811P	RLA471M1ABK-0811P	470	8x11			
140-RLA222M1ABK1320P	RLA222M1ABK-1320P	2200	13x20			
16 Volt (20V Surge)						
140-RLA100M1CBK0511P	RLA100M1CBK-0511P	10	5x11			
140-RLA220M1CBK0511P	RLA220M1CBK-0511P	22	5x11			
140-RLA330M1CBK0511P	RLA330M1CBK-0511P	33	5x11			
140-RLA470M1CBK0511P	RLA470M1CBK-0511P	47	5x11			
140-RLA101M1CBK0611P	RLA101M1CBK-0611P	100	6.3x11			
140-RLA221M1CBK0811P	RLA221M1CBK-0811P	220	8x11			
140-RLA102M1CBK1020P	RLA102M1CBK-1020P	1000	10x20			
25 Volt (32V Surge)						
140-RLA101M1EBK0611P	RLA101M1EBK-0611P	100	6.3x11			
140-RLA221M1EBK0811P	RLA221M1EBK-0811P	220	8x11			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxL (mm) Max.	Price Each		
				1	100	500
35 Volt (44V Surge)						
140-RLA100M1VBK0511P	RLA100M1VBK-0511P	10	5x11			
140-RLA220M1VBK0511P	RLA220M1VBK-0511P	22	5x11			
140-RLA330M1VBK0511P	RLA330M1VBK-0511P	33	5x11			
140-RLA470M1VBK0611P	RLA470M1VBK-0611P	47	6.3x11			
140-RLA101M1VBK0811P	RLA101M1VBK-0811P	100	8x11			
140-RLA221M1VBK1012P	RLA221M1VBK-1012P	220	10x12			
50 Volt (63V Surge)						
140-RLA2R2M1HBK0511P	RLA2R2M1HBK-0511P	2.2	5x11			
140-RLA3R3M1HBK0511P	RLA3R3M1HBK-0511P	3.3	5x11			
140-RLA4R7M1HBK0511P	RLA4R7M1HBK-0511P	4.7	5x11			
140-RLA100M1HBK0611P	RLA100M1HBK-0611P	10	6.3x11			
140-RLA220M1HBK0611P	RLA220M1HBK-0611P	22	6.3x11			
140-RLA470M1HBK0811P	RLA470M1HBK-0811P	47	8x11			
140-RLA101M1HBK1016P	RLA101M1HBK-1016P	100	10x16			

LELON RXJ LOW ESR ELECTROLYTIC CAPACITORS SERIES

Specifications:

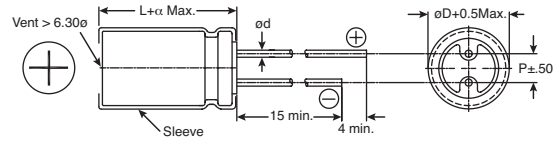
- Operating temperature range: -55°C to +105°C
- Capacitance tolerance: ±20% (@ 20°C, 120Hz)
- Endurance: 2000 hours @ 105°C (OD < 8mm) 5000 hours @ 105°C (OD > 10mm)
- DC Leakage current: $I = 0.01CV$ or 3 (µA), whichever is greater

Features:

- High permissible ripple current
- Wide operating temperature range
- Suited for switching power supplies

Application Note:

A higher voltage capacitor may be used in a lower voltage application



RoHS Compliant

Dissipation Factor (Tan δ, at 20°C 120Hz)									
Rated Voltage (V)	6.3	10	16	35	50	63	100		
Tan δ (max.)	.22	.19	.16	.12	.10		.01		

Lead Spacing & Diameter	DIMENSIONS: mm						
	5	6.3	8	10	12.5	16	18
φD	5	6.3	8	10	12.5	16	18
P	2.0	2.5	3.5	5.0		7.5	
φd	0.5		0.6		0.8		
α	1.0			1.5			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Max. ESR @ 20°C 100KHZ	Case Size DxL (mm) Max.	Price Each		
					1	100	500
16 Volt (20V Surge)							
140-RXJ101M1CBK0611P	RXJ101M1CBK-0611P	100	0.60	6.3x11			
140-RXJ221M1CBK0811P	RXJ221M1CBK-0811P	220	0.33	8x11.5			
140-RXJ331M1CBK1012P	RXJ331M1CBK-1012P	330	0.25	10x12.5			
140-RXJ471M1CBK1016P	RXJ471M1CBK-1016P	470	0.19	10x16			
140-RXJ102M1CBK1320P	RXJ102M1CBK-1320P	1000	0.085	12.5x20			
140-RXJ222M1CBK1325P	RXJ222M1CBK-1325P	2200	0.07	12.5x25			
140-RXJ332M1CBK1632P	RXJ332M1CBK-1632P	3300	0.048	16x31.5			
25 Volt (32V Surge)							
140-RXJ330M1EBK0511P	RXJ330M1EBK-0511P	33	1.30	5x11			
140-RXJ470M1EBK0611P	RXJ470M1EBK-0611P	47	0.60	6.3x11			
140-RXJ101M1EBK0811P	RXJ101M1EBK-0811P	100	0.33	8x11.5			
140-RXJ221M1EBK1012P	RXJ221M1EBK-1012P	220	0.25	10x12.5			
140-RXJ331M1EBK1016P	RXJ331M1EBK-1016P	330	0.19	10x16			
140-RXJ102M1EBK1325P	RXJ102M1EBK-1325P	1000	0.07	12.5x25			
50 Volt (63V Surge)							
140-RXJ47R7M1HBK0511P	RXJ47R7M1HBK-0511P	4.7	3.00	5x11			
140-RXJ100M1HBK0511P	RXJ100M1HBK-0511P	10	2.00	5x11			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Max. ESR @ 20°C 100KHZ	Case Size DxL (mm) Max.	Price Each		
					1	100	500
50 Volt (63V Surge) (cont.)							
140-RXJ220M1HBK0611P	RXJ220M1HBK-0611P	22	0.6	6.3x11			
140-RXJ330M1HBK0611P	RXJ330M1HBK-0611P	33	0.6	6.3x11			
140-RXJ470M1HBK0611P	RXJ470M1HBK-0611P	47	0.33	6.3x11			
140-RXJ101M1HBK1016P	RXJ101M1HBK-1016P	100	0.19	10x16			
140-RXJ221M1HBK1025P	RXJ221M1HBK-1025P	220	0.12	10x25			
140-RXJ331M1HBK1320P	RXJ331M1HBK-1320P	330	0.085	12.5x20			
140-RXJ471M1HBK1325P	RXJ471M1HBK-1325P	470	0.07	13x26			
140-RXJ102M1HBK1632P	RXJ102M1HBK-1632P	1000	0.06	16x31.5			
100 Volt (125V Surge)							
140-RXJ1R0M2ABK0511P	RXJ1R0M2ABK-0511P	1.0	7.00	5x11			
140-RXJ2R2M2ABK0511P	RXJ2R2M2ABK-0511P	2.2	6.00	5x11			
140-RXJ100M2ABK0811P	RXJ100M2ABK-0811P	10	0.56	8x11.5			
140-RXJ220M2ABK0811P	RXJ220M2ABK-0811P	22	0.56	8x11.5			
140-RXJ330M2ABK1012P	RXJ330M2ABK-1012P	33	0.5	10x12.5			
140-RXJ470M2ABK1020P	RXJ470M2ABK-1020P	47	0.27	10x20			
140-RXJ101M2ABK1320P	RXJ101M2ABK-1320P	100	0.16	12.5x20			

LELON Aluminum Electrolytic Capacitors



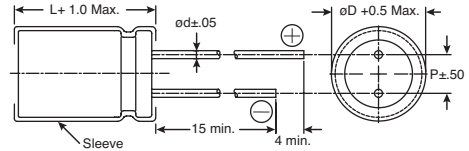
RoHS Compliant This product is RoHS compliant.

LELON SS ULTRA MINIATURE SERIES - 5MM HEIGHT

Specifications:

- Operating temperature range: -40°C to +85°C
- Capacitance tolerance: ±20% (@ 20°C, 120Hz)
- Endurance: 1000 hours @ 85°C
- DC Leakage current: I = 0.01CV or 3 (µA), whichever is greater
- Smallest leaded electrolytic available from stock

Lead Spacing & Diameter	DIMENSIONS: mm				
	3	4	5	6.3	8
øD	1.0	1.5	2.0	2.5	2.5
P	1.0	1.5	2.0	2.5	2.5
ød	0.4	0.45			



Application Note:

A higher voltage capacitor may be used in a lower voltage application

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxL (mm) Max.	Price Each			
				1	100	500	1000
6.3 Volt (8V Surge)							
140-SS470M0J0505P	SS470M0JBK-0505P	47	5x5				
10 Volt (13V Surge)							
140-SS100M1A0405P	SS100M1ABK-0405P	10	4x5				
16 Volt (20V Surge)							
140-SS4R7M1C0305P	SS4R7M1CBK-0305P	4.7	3x5				
140-SS100M1C0405P	SS100M1CBK-0405P	10	4x5				
140-SS220M1C0505P	SS220M1CBK-0505P	22	5x5				
140-SS330M1C0505P	SS330M1CBK-0505P	33	5x5				
140-SS470M1C0605P	SS470M1CBK-0605P	47	6.3x5				
140-SS101M1C0805P	SS101M1CBK-0805P	100	8x5				
25 Volt (32V Surge)							
140-SS3R3M1E0305P	SS3R3M1EBK-0305P	3.3	3x5				
140-SS4R7M1E0405P	SS4R7M1EBK-0405P	4.7	4x5				
140-SS100M1E0505P	SS100M1EBK-0505P	10	5x5				
140-SS220M1E0605P	SS220M1EBK-0605P	22	6.3x5				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxL (mm) Max.	Price Each			
				1	100	500	1000
25 Volt (32V Surge) Cont.							
140-SS470M1E0605P	SS470M1EBK-0605P	47	6.3x5				
140-SS101M1E0805P	SS101M1EBK-0805P	100	8x5				
35 Volt (44V Surge)							
140-SS2R2M1V0305P	SS2R2M1VBK-0305P	2.2	3x5				
140-SS3R3M1V0405P	SS3R3M1VBK-0405P	3.3	4x5				
140-SS4R7M1V0405P	SS4R7M1VBK-0405P	4.7	4x5				
140-SS100M1V0505P	SS100M1VBK-0505P	10	5x5				
140-SS220M1V0605P	SS220M1VBK-0605P	22	6.3x5				
50 Volt (63V Surge)							
140-SS0R1M1H0305P	SS0R1M1HBK-0305P	0.1	3x5				
140-SS0R3M1H0305P	SS0R3M1HBK-0305P	0.33	3x5				
140-SS0R47M1H0305P	SS0R47M1HBK-0305P	0.47	3x5				
140-SS2R2M1H0405P	SS2R2M1HBK-0405P	2.2	4x5				
140-SS100M1H0605P	SS100M1HBK-0605P	10	6.3x5				
140-SS220M1H0605P	SS220M1HBK-0605P	22	6.3x5				

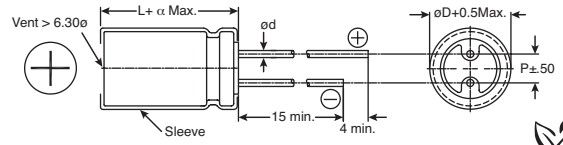
Aluminum Caps, Leaded Lelon

LELON SEA 85°C SUB MINIATURE SERIES- 7MM HEIGHT

Specifications:

- Operating temperature range: -40°C to +85°C
- Capacitance tolerance: ±20% (@ 20°C, 120Hz)
- Endurance: 2000 hours @ 85°C
- DC Leakage current: I = 0.01CV or 3 (µA), whichever is greater
- Meets tight board space requirements
- Replacement for expensive tantalum capacitors

Lead Spacing & Diameter	DIMENSIONS: mm				
	4	5	6.3	8	10
øD	1.5	2.0	2.5	3.5	5.0
P	1.5	2.0	2.5	3.5	5.0
ød	0.45	0.5		0.6	
α	1.0				



Application Note:

A higher voltage capacitor may be used in a lower voltage application

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxL (mm) Max.	Price Each			
				1	100	500	1000
10 Volt (13V Surge)							
140-SEA220M1ABK0407	SEA220M1ABK-0407	22	4x7				
140-SEA330M1ABK0407	SEA330M1ABK-0407	33	4x7				
140-SEA470M1ABK0507	SEA470M1ABK-0507	47	5x7				
140-SEA101M1ABK0607	SEA101M1ABK-0607	100	6.3x7				
140-SEA221M1ABK0807	SEA221M1ABK-0807	220	8x7				
16 Volt (20V Surge)							
140-SEA100M1CBK0407	SEA100M1CBK-0407	10	4x7				
140-SEA220M1CBK0507	SEA220M1CBK-0507	22	4x7				
140-SEA330M1CBK0507	SEA330M1CBK-0507	33	5x7				
140-SEA470M1CBK0607	SEA470M1CBK-0607	47	6.3x7				
140-SEA101M1CBK0607	SEA101M1CBK-0607	100	6.3x7				

For quantities greater than listed, call for quote.

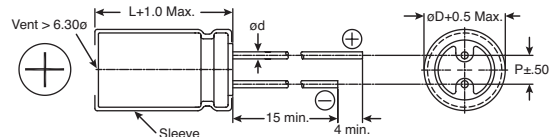
MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxL (mm) Max.	Price Each			
				1	100	500	1000
25 Volt (32V Surge)							
140-SEA330M1EBK0607	SEA330M1EBK-0607	33	6.3x7				
35 Volt (44V Surge)							
140-SEA4R7M1VBK0407	SEA4R7M1VBK-0407P	4.7	4x7				
140-SEA100M1VBK0507	SEA100M1VBK-0507P	10	5x7				
140-SEA220M1VBK0607	SEA220M1VBK-0607P	22	6.3x7				
50 Volt (63V Surge)							
140-SEA0R1M1HBK0407	SEA0R1M1HBK-0407P	0.1	4x7				
140-SEA0R2M1HBK0407	SEA0R2M1HBK-0407P	0.22	4x7				
140-SEA0R3M1HBK0407	SEA0R3M1HBK-0407P	0.33	4x7				
140-SEA0R47M1HBK0407	SEA0R47M1HBK-0407P	0.47	4x7				
140-SEA3R3M1HBK0407	SEA3R3M1HBK-0407P	3.3	4x7				
140-SEA4R7M1HBK0507	SEA4R7M1HBK-0507P	4.7	5x7				
140-SEA100M1HBK0607	SEA100M1HBK-0607P	10	6.3x7				

LELON SG 105°C SUB MINIATURE SERIES- 7MM HEIGHT

Specifications:

- Operating temperature: -40°C to +105°C
- Capacitance tolerance: ±20% (@ 20°C, 120Hz)
- Endurance: 1000 hours @ 105°C
- DC Leakage current: I = .01CV or 3µA whichever is greater
- Meets tight board space requirements
- Can be used in place of expensive tantalum capacitors

Lead Spacing & Diameter	DIMENSIONS: mm				
	4	5	6.3	8	
øD	1.5	2.0	2.5	3.5	
P	1.5	2.0	2.5	3.5	
ød	0.45	0.5			



Application Note:

A higher voltage capacitor may be used in a lower voltage application

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxL (mm) Max.	Price Each			
				1	100	500	1000
10 Volt (13V Surge)							
140-SG330M1A0407P	SG330M1ABK-0407P	33	4x7				
140-SG101M1A0607P	SG101M1ABK-0607P	100	6.3x7				
140-SG221M1A0807P	SG221M1ABK-0807P	220	8x7				
16 Volt (20V Surge)							
140-SG100M1C0407P	SG100M1CBK-0407P	10	4x7				
140-SG470M1C0607P	SG470M1CBK-0607P	47	6.3x7				
140-SG101M1C0607P	SG101M1CBK-0607P	100	6.3x7				
25 Volt (32V Surge)							
140-SG330M1E0607P	SG330M1EBK-0607P	33	6.3x7				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Lelon Part No.	Value (µF)	Case Size DxL (mm) Max.	Price Each			
				1	100	500	1000
35 Volt (44V Surge)							
140-SG4R7M1V0407P	SG4R7M1VBK-0407P	4.7	4x7				
140-SG100M1V0507P	SG100M1VBK-0507P	10	5x7				
50 Volt (63V Surge)							
140-SG0R1M1H0407P	SG0R1M1HBK-0407P	0.1	4x7				
140-SGR22M1H0407P	SGR22M1HBK-0407P	0.22	4x7				
140-SGR47M1H0407P	SGR47M1HBK-0407P	0.47	4x7				
140-SG1R0M1H0407P	SG1R0M1HBK-0407P	1	4x7				
140-SG2R2M1H0407P	SG2R2M1HBK-0407P	2.2	4x7				
140-SG3R3M1H0407P	SG3R3M1HBK-0407P	3.3	4x7				
140-SG4R7M1H0507P	SG4R7M1HBK-0507P	4.7	5x7				
140-SG100M1H0607P	SG100M1HBK-0607P	10	6.3x7				

NICHICON Aluminum Electrolytic Capacitors

nichicon

RoHS Compliant This product is RoHS compliant.

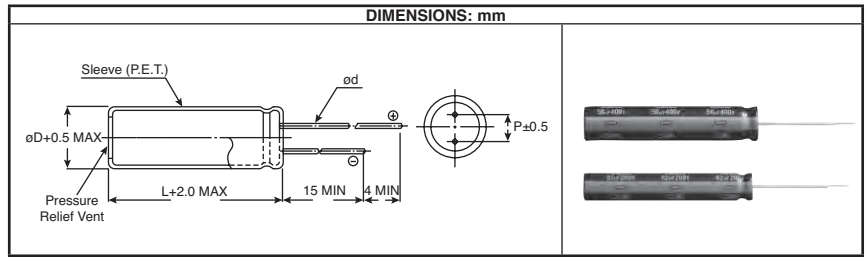
nichicon CS SERIES - PENCIL SHAPED TYPE, MINIATURE SIZED

Features:

- High reliability
- High ripple current
- Load life of 10000 hours at +105°C
- Suited for slim-designed products

Specifications:

- Operating temperature range: -40°C to 105°C (200V to 400V), -25°C to +105°C (450V)
- Voltage range: 200V to 450V
- Capacitance range: 18 to 270uF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: After 1 minute's application of rated voltage, leakage current is not more than 0.04CV+100 (uA)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (uF)	Case Size D x L (mm)	Rated Ripple (mArms) at 105° C 120Hz	Price Each		
					1	10	100
200 Volt							
647-UCS2D820MND9	UCS2D820MND9	82	8 x 50	530			
647-UCS2D101MND9	UCS2D101MND9	100	10 x 40	630			
647-UCS2D121MND9	UCS2D121MND9	120	10 x 40	680			
647-UCS2D151MND9	UCS2D151MND9	150	10 x 50	830			
647-UCS2D221MNY9	UCS2D221MNY9	220	12.5 x 40	1075			
647-UCS2D271MNY9	UCS2D271MNY9	270	12.5 x 50	1265			
250 Volt							
647-UCS2E560MND9	UCS2E560MND9	56	8 x 50	430			
647-UCS2E820MND9	UCS2E820MND9	82	10 x 40	610			
647-UCS2E101MND9	UCS2E101MND9	100	10 x 50	680			
647-UCS2E151MNY9	UCS2E151MNY9	150	12.5 x 40	920			
647-UCS2E181MNY9	UCS2E181MNY9	180	12.5 x 50	1035			
400 Volt							
647-UCS2G270MND9	UCS2G270MND9	27	8 x 50	255			
647-UCS2G390MND9	UCS2G390MND9	39	10 x 40	400			
647-UCS2G560MND9	UCS2G560MND9	56	10 x 50	520			
647-UCS2G680MNY9	UCS2G680MNY9	68	12.5 x 40	600			
647-UCS2G820MNY9	UCS2G820MNY9	82	12.5 x 50	700			
450 Volt							
647-UCS2W180MND9	UCS2W180MND9	18	8 x 50	220			
647-UCS2W270MND9	UCS2W270MND9	27	10 x 40	290			
647-UCS2W330MND9	UCS2W330MND9	33	10 x 40	360			
647-UCS2W390MND9	UCS2W390MND9	39	10 x 50	410			
647-UCS2W470MNY9	UCS2W470MNY9	47	12.5 x 40	525			
647-UCS2W680MNY9	UCS2W680MNY9	68	12.5 x 50	670			

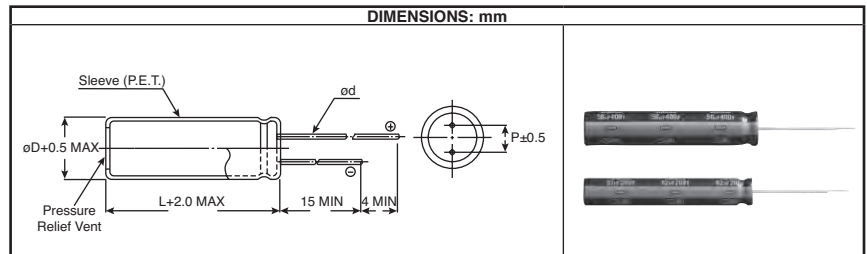
nichicon PZ SERIES - PENCIL SHAPED TYPE, HIGH VOLTAGE, SMALLER SIZED

Features:

- High ripple current
- Load life of 2000 hours at 105°C
- Suited for slim-designed products

Specifications:

- Operating temperature range: -40°C to 105°C (200V to 400V), -25°C to +105°C (450V)
- Voltage range: 200V to 450V
- Capacitance range: 24 to 270uF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: After 1 minute's application of rated voltage, leakage current is not more than 0.04CV+100 (uA)



RoHS Compliant

For quantities greater than listed, call for quote.

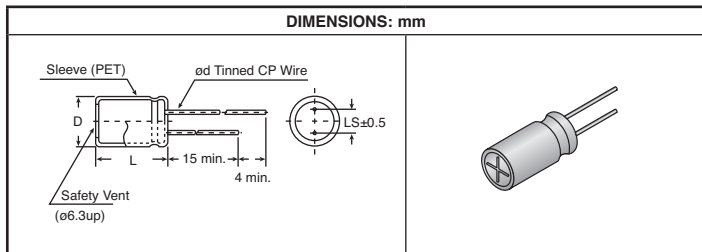
MOUSER STOCK NO.	Nichicon Part No.	Value (uF)	Case Size D x L (mm)	Rated Ripple (mArms) at 105° C 120Hz	Price Each		
					1	10	100
200 Volt							
647-UPZ2D820MND9	UPZ2D820MND9	82	8 x 50	530			
647-UPZ2D121MND9	UPZ2D121MND9	120	10 x 40	680			
647-UPZ2D151MND9	UPZ2D151MND9	150	10 x 50	830			
647-UPZ2D221MNY9	UPZ2D221MNY9	220	12.5 x 40	1075			
647-UPZ2D271MNY9	UPZ2D271MNY9	270	12.5 x 50	1265			
250 Volt							
647-UPZ2E560MND9	UPZ2E560MND9	56	8 x 50	430			
647-UPZ2E820MND9	UPZ2E820MND9	82	10 x 40	610			
647-UPZ2E121MND9	UPZ2E121MND9	120	10 x 50	740			
647-UPZ2E151MNY9	UPZ2E151MNY9	150	12.5 x 40	920			
647-UPZ2E221MNY9	UPZ2E221MNY9	220	12.5 x 50	1140			
400 Volt							
647-UPZ2G270MND9	UPZ2G270MND9	27	8 x 50	255			
647-UPZ2G470MND9	UPZ2G470MND9	47	10 x 40	435			
647-UPZ2G560MND9	UPZ2G560MND9	56	10 x 50	520			
647-UPZ2G820MNY9	UPZ2G820MNY9	82	12.5 x 40	660			
647-UPZ2G101MNY9	UPZ2G101MNY9	100	12.5 x 50	770			
450 Volt							
647-UPZ2W240MND9	UPZ2W240MND9	24	8 x 50	250			
647-UPZ2W330MND9	UPZ2W330MND9	33	10 x 40	360			
647-UPZ2W470MND9	UPZ2W470MND9	47	10 x 50	450			
647-UPZ2W560MNY9	UPZ2W560MNY9	56	12.5 x 40	570			
647-UPZ2W820MNY9	UPZ2W820MNY9	82	12.5 x 50	730			

NEW TECHNOLOGY Aluminum Caps, Leaded

NICHICON Aluminum Electrolytic Capacitors

nichicon

nichicon UVR 85°C GENERAL PURPOSE SERIES



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
6.3 Volt								
647-UVR0J101MDD	UVR0J101MDD	100	5 x 11	2.0				
647-UVR0J221MDD	UVR0J221MDD	220	5 x 11	2.0				
647-UVR0J331MED	UVR0J331MED	330	6.3 x 11	2.5				
647-UVR0J471MED	UVR0J471MED	470	6.3 x 11	2.5				
647-UVR0J102MPD	UVR0J102MPD	1000	8 x 11.5	3.5				
647-UVR0J222MPD	UVR0J222MPD	2200	10 x 20	5.0				
647-UVR0J332MPD	UVR0J332MPD	3300	10 x 20	5.0				
647-UVR0J682MHD	UVR0J682MHD	6800	12.5 x 25	5.0				
647-UVR0J103MHD	UVR0J103MHD	10000	16 x 25	7.5				
647-UVR0J153MHD	UVR0J153MHD	15000	16 x 35.5	7.5				
647-UVR0J223MHD	UVR0J223MHD	22000	18 x 40	7.5				
10 Volt								
647-UVR1A101MDD	UVR1A101MDD	100	5 x 11	2.0				
647-UVR1A221MED	UVR1A221MED	220	6.3 x 11	2.5				
647-UVR1A331MED	UVR1A331MED	330	6.3 x 11	2.5				
647-UVR1A471MED	UVR1A471MED	470	6.3 x 11	2.5				
647-UVR1A102MPD	UVR1A102MPD	1000	10 x 12.5	5.0				
647-UVR1A222MPD	UVR1A222MPD	2200	10 x 20	5.0				
647-UVR1A332MHD	UVR1A332MHD	3300	12.5 x 20	5.0				
647-UVR1A472MHD	UVR1A472MHD	4700	12.5 x 25	5.0				
647-UVR1A682MHD	UVR1A682MHD	6800	16 x 25	7.5				
647-UVR1A103MHD	UVR1A103MHD	10000	16 x 35.5	7.5				
647-UVR1A153MHD	UVR1A153MHD	15000	18 x 35.5	7.5				
16 Volt								
647-UVR1C100MDD	UVR1C100MDD	10	5 x 11	2.0				
647-UVR1C220MDD	UVR1C220MDD	22	5 x 11	2.0				
647-UVR1C330MDD	UVR1C330MDD	33	5 x 11	2.0				
647-UVR1C470MDD	UVR1C470MDD	47	5 x 11	2.0				
647-UVR1C101MDD	UVR1C101MDD	100	5 x 11	2.0				
647-UVR1C221MED	UVR1C221MED	220	6.3 x 11	2.5				
647-UVR1C331MPD	UVR1C331MPD	330	8 x 11.5	3.5				
647-UVR1C471MPD	UVR1C471MPD	470	8 x 11.5	3.5				
647-UVR1C102MPD	UVR1C102MPD	1000	10 x 16	5.0				
647-UVR1C222MHD	UVR1C222MHD	2200	12.5 x 20	5.0				
647-UVR1C332MHD	UVR1C332MHD	3300	12.5 x 25	5.0				
647-UVR1C472MHD	UVR1C472MHD	4700	16 x 25	7.5				
647-UVR1C682MHD	UVR1C682MHD	6800	16 x 35.5	7.5				
647-UVR1C103MHD	UVR1C103MHD	10000	18 x 35.5	7.5				
25 Volt								
647-UVR1E100MDD	UVR1E100MDD	10	5 x 11	2.0				
647-UVR1E220MDD	UVR1E220MDD	22	5 x 11	2.0				
647-UVR1E330MDD	UVR1E330MDD	33	5 x 11	2.0				
647-UVR1E470MDD	UVR1E470MDD	47	5 x 11	2.0				
647-UVR1E101MED	UVR1E101MED	100	6.3 x 11	2.5				
647-UVR1E221MPD	UVR1E221MPD	220	8 x 11.5	3.5				
647-UVR1E331MPD	UVR1E331MPD	330	10 x 12.5	5.0				
647-UVR1E471MPD	UVR1E471MPD	470	10 x 12.5	5.0				
647-UVR1E102MPD	UVR1E102MPD	1000	10 x 20	5.0				
647-UVR1E222MHD	UVR1E222MHD	2200	12.5 x 25	5.0				
647-UVR1E332MHD	UVR1E332MHD	3300	16 x 25	7.5				
647-UVR1E472MHD	UVR1E472MHD	4700	16 x 31.5	7.5				
647-UVR1E682MHD	UVR1E682MHD	6800	18 x 35.5	7.5				
35 Volt								
647-UVR1V100MDD	UVR1V100MDD	10	5 x 11	2.0				
647-UVR1V220MDD	UVR1V220MDD	22	5 x 11	2.0				
647-UVR1V330MDD	UVR1V330MDD	33	5 x 11	2.0				
647-UVR1V470MDD	UVR1V470MDD	47	5 x 11	2.0				
647-UVR1V101MED	UVR1V101MED	100	6.3 x 11	2.5				
647-UVR1V221MPD	UVR1V221MPD	220	10 x 12.5	5.0				
647-UVR1V331MPD	UVR1V331MPD	330	10 x 12.5	5.0				
647-UVR1V471MPD	UVR1V471MPD	470	10 x 16	5.0				
647-UVR1V102MHD	UVR1V102MHD	1000	12.5 x 20	5.0				
647-UVR1V222MHD	UVR1V222MHD	2200	16 x 25	7.5				
647-UVR1V332MHD	UVR1V332MHD	3300	16 x 35.5	7.5				
647-UVR1V472MHD	UVR1V472MHD	4700	18 x 35.5	7.5				
50 Volt								
647-UVR1HR33MDD	UVR1HR33MDD	0.33	5 x 11	2.0				
647-UVR1HR47MDD	UVR1HR47MDD	0.47	5 x 11	2.0				
647-UVR1H010MDD	UVR1H010MDD	1.0	5 x 11	2.0				
647-UVR1H2R2MDD	UVR1H2R2MDD	2.2	5 x 11	2.0				
647-UVR1H3R3MDD	UVR1H3R3MDD	3.3	5 x 11	2.0				
647-UVR1H4R7MDD	UVR1H4R7MDD	4.7	5 x 11	2.0				
647-UVR1H100MDD	UVR1H100MDD	10	5 x 11	2.0				
647-UVR1H220MDD	UVR1H220MDD	22	5 x 11	2.0				
647-UVR1H330MDD	UVR1H330MDD	33	5 x 11	2.0				
647-UVR1H470MED	UVR1H470MED	47	6.3 x 11	2.5				
647-UVR1H101MPD	UVR1H101MPD	100	8 x 11.5	3.5				

Specifications:

- Operating temperature range: -40°C ~ +85°C (6.3V ~ 400V), -25°C ~ +85°C (450V)
- Voltage range: 6.3V ~ 450V
- Capacitance range: 0.1µF ~ 33000µF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Endurance: 2000 hours @ 85°C

Application note:

- A higher voltage capacitor may be used in a lower voltage application



LEAD-FREE



RoHS Compliant

6.3V ~ 100V	160V ~ 450V
After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (µA), whichever is greater	After 1 minute application of rated voltage, CV ≤ 1000: I = 0.1CV + 40µA or less
After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (µA), whichever is greater	After 1 minutes application of rated voltage, CV > 1000: I = 0.04CV + 100µA or less

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
50 Volt (Cont.)								
647-UVR1H221MPD	UVR1H221MPD	220	10 x 12.5	5.0				
647-UVR1H331MPD	UVR1H331MPD	330	10 x 16	5.0				
647-UVR1H471MHD	UVR1H471MHD	470	12.5 x 20	5.0				
647-UVR1H102MHD	UVR1H102MHD	1000	12.5 x 25	5.0				
647-UVR1H222MHD	UVR1H222MHD	2200	16 x 35.5	7.5				
647-UVR1H332MHD	UVR1H332MHD	3300	18 x 35.5	7.5				
63 Volt								
647-UVR1J100MDD	UVR1J100MDD	10	5 x 11	2.0				
647-UVR1J220MDD	UVR1J220MDD	22	5 x 11	2.0				
647-UVR1J330MED	UVR1J330MED	33	6.3 x 11	2.5				
647-UVR1J470MED	UVR1J470MED	47	6.3 x 11	2.5				
647-UVR1J101MPD	UVR1J101MPD	100	10 x 12.5	5.0				
647-UVR1J221MPD	UVR1J221MPD	220	10 x 16	5.0				
647-UVR1J331MPD	UVR1J331MPD	330	10 x 20	5.0				
647-UVR1J471MHD	UVR1J471MHD	470	12.5 x 20	5.0				
647-UVR1J102MHD	UVR1J102MHD	1000	16 x 25	7.5				
647-UVR1J222MHD	UVR1J222MHD	2200	18 x 35.5	7.5				
100 Volt								
647-UVR2A0R1MDD	UVR2A0R1MDD	0.1	5 x 11	2.0				
647-UVR2AR33MDD	UVR2AR33MDD	0.33	5 x 11	2.0				
647-UVR2AR47MDD	UVR2AR47MDD	0.47	5 x 11	2.0				
647-UVR2A010MDD	UVR2A010MDD	1.0	5 x 11	2.0				
647-UVR2A2R2MDD	UVR2A2R2MDD	2.2	5 x 11	2.0				
647-UVR2A3R3MDD	UVR2A3R3MDD	3.3	5 x 11	2.0				
647-UVR2A4R7MDD	UVR2A4R7MDD	4.7	5 x 11	2.0				
647-UVR2A100MED	UVR2A100MED	10	6.3 x 11	2.5				
647-UVR2A220MED	UVR2A220MED	22	6.3 x 11	2.5				
647-UVR2A330MPD	UVR2A330MPD	33	8 x 11.5	3.5				
647-UVR2A470MPD	UVR2A470MPD	47	10 x 12.5	5.0				
647-UVR2A101MPD	UVR2A101MPD	100	10 x 20	5.0				
647-UVR2A221MHD	UVR2A221MHD	220	12.5 x 25	5.0				
647-UVR2A331MHD	UVR2A331MHD	330	12.5 x 25	5.0				
647-UVR2A471MHD	UVR2A471MHD	470	16 x 25	7.5				
647-UVR2A102MHD	UVR2A102MHD	1000	18 x 40	7.5				
160 Volt								
647-UVR2C010MED	UVR2C010MED	1.0	6.3 x 11	2.5				
647-UVR2C4R7MED	UVR2C4R7MED	4.7	6.3 x 11	2.5				
647-UVR2C100MPD	UVR2C100MPD	10	8 x 11.5	3.5				
647-UVR2C220MPD	UVR2C220MPD	22	10 x 16	5.0				
647-UVR2C330MPD	UVR2C330MPD	33	10 x 20	5.0				
647-UVR2C470MHD	UVR2C470MHD	47	12.5 x 20	5.0				
647-UVR2C101MHD	UVR2C101MHD	100	12.5 x 25	5.0				
647-UVR2C221MHD	UVR2C221MHD	220	16 x 35.5	7.5				
647-UVR2C331MHD	UVR2C331MHD	330	18 x 40	7.5				
647-UVR2C471MRD	UVR2C471MRD	470	22 x 40	10.0				
250 Volt								
647-UVR2E010MED	UVR2E010MED	1.0	6.3 x 11	2.5				
647-UVR2E2R2MED	UVR2E2R2MED	2.2	6.3 x 11	2.5				
647-UVR2E3R3MPD	UVR2E3R3MPD	3.3	8 x 11.5	3.5				
647-UVR2E4R7MPD	UVR2E4R7MPD	4.7	8 x 11.5	3.5				
647-UVR2E100MPD	UVR2E100MPD	10	10 x 16	5.0</				

NICHICON Aluminum Electrolytic Capacitors

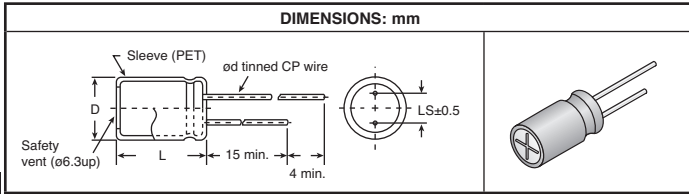
nichicon UVZ SERIES 105°C CAPACITORS

Specifications:

- Operating temperature range: -55°C ~ +105°C (6.3V ~ 100V), -40°C ~ +105°C (60V ~ 400V), -25°C ~ +105°C (450V)
- Voltage range: 6.3V ~ 450V
- Capacitance range: 0.1μF ~ 33000μF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Small case sizes as VR series, but operating over wide temperature range of -55°C ~ 105°C

Application note:

- A higher voltage capacitor may be used in a lower voltage application



Endurance:

- 1000 hours @ 105°C



RoHS Compliant



LEAD-FREE

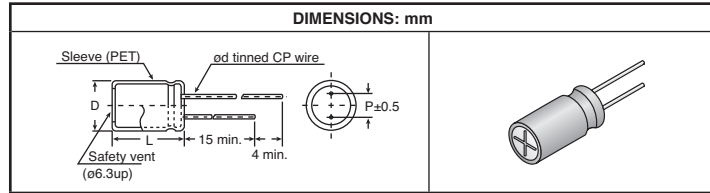
Leakage Current:	
6.3V ~ 100V	160V ~ 450V
After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (μA), whichever is greater	After 1 minute application of rated voltage, CV ≤ 1000: I = 0.1CV + 40μA or less
After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (μA), whichever is greater	After 1 minutes application of rated voltage, CV > 1000: I = 0.04CV + 100μA or less

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	25	100	500
6.3 Volt								
647-UVZ0J101MDD	UVZ0J101MDD	100	5 x 11	2.0				
647-UVZ0J221MDD	UVZ0J221MDD	220	5 x 11	2.0				
647-UVZ0J331MED	UVZ0J331MED	330	6.3 x 11	2.5				
647-UVZ0J471MED	UVZ0J471MED	470	6.3 x 11	2.5				
647-UVZ0J102MPD	UVZ0J102MPD	1000	8 x 11.5	3.5				
647-UVZ0J222MPD	UVZ0J222MPD	2200	10 x 20	5.0				
647-UVZ0J332MPD	UVZ0J332MPD	3300	10 x 20	5.0				
647-UVZ0J472MHD	UVZ0J472MHD	4700	12.5 x 20	5.0				
647-UVZ0J682MHD	UVZ0J682MHD	6800	12.5 x 25	5.0				
647-UVZ0J103MHD	UVZ0J103MHD	10000	16 x 25	7.5				
647-UVZ0J223MHD	UVZ0J223MHD	22000	18 x 40	7.5				
10 Volt								
647-UVZ1A101MDD	UVZ1A101MDD	100	5 x 11	2.0				
647-UVZ1A221MED	UVZ1A221MED	220	6.3 x 11	2.5				
647-UVZ1A331MED	UVZ1A331MED	330	6.3 x 11	2.5				
647-UVZ1A471MED	UVZ1A471MED	470	6.3 x 11	2.5				
647-UVZ1A102MPD	UVZ1A102MPD	1000	10 x 12.5	5.0				
647-UVZ1A222MPD	UVZ1A222MPD	2200	10 x 20	5.0				
647-UVZ1A332MHD	UVZ1A332MHD	3300	12.5 x 20	5.0				
647-UVZ1A472MHD	UVZ1A472MHD	4700	12.5 x 25	5.0				
647-UVZ1A682MHD	UVZ1A682MHD	6800	16 x 25	7.5				
647-UVZ1A103MHD	UVZ1A103MHD	10000	16 x 35.5	7.5				
647-UVZ1A153MHD	UVZ1A153MHD	15000	18 x 35.5	7.5				
16 Volt								
647-UVZ1C470MDD	UVZ1C470MDD	47	5 x 11	2.0				
647-UVZ1C101MDD	UVZ1C101MDD	100	5 x 11	2.0				
647-UVZ1C221MED	UVZ1C221MED	220	6.3 x 11	2.5				
647-UVZ1C331MPD	UVZ1C331MPD	330	8 x 11.5	3.5				
647-UVZ1C471MPD	UVZ1C471MPD	470	8 x 11.5	3.5				
647-UVZ1C102MPD	UVZ1C102MPD	1000	10 x 16	5.0				
647-UVZ1C222MHD	UVZ1C222MHD	2200	12.5 x 20	5.0				
647-UVZ1C332MHD	UVZ1C332MHD	3300	12.5 x 25	5.0				
647-UVZ1C472MHD	UVZ1C472MHD	4700	16 x 25	7.5				
647-UVZ1C682MHD	UVZ1C682MHD	6800	16 x 35.5	7.5				
647-UVZ1C103MHD	UVZ1C103MHD	10000	18 x 35.5	7.5				
25 Volt								
647-UVZ1E470MDD	UVZ1E470MDD	47	5 x 11	2.0				
647-UVZ1E101MED	UVZ1E101MED	100	6.3 x 11	2.5				
647-UVZ1E221MPD	UVZ1E221MPD	220	8 x 11.5	3.5				
647-UVZ1E331MPD	UVZ1E331MPD	330	10 x 12.5	5.0				
647-UVZ1E471MPD	UVZ1E471MPD	470	10 x 12.5	5.0				
647-UVZ1E102MPD	UVZ1E102MPD	1000	10 x 20	5.0				
647-UVZ1E222MHD	UVZ1E222MHD	2200	12.5 x 25	5.0				
647-UVZ1E332MHD	UVZ1E332MHD	3300	16 x 25	7.5				
647-UVZ1E472MHD	UVZ1E472MHD	4700	16 x 31.5	7.5				
647-UVZ1E682MHD	UVZ1E682MHD	6800	18 x 35.5	7.5				
35 Volt								
647-UVZ1V330MDD	UVZ1V330MDD	33	5 x 11	2.0				
647-UVZ1V470MDD	UVZ1V470MDD	47	5 x 11	2.0				
647-UVZ1V101MED	UVZ1V101MED	100	6.3 x 11	2.5				
647-UVZ1V221MPD	UVZ1V221MPD	220	10 x 12.5	5.0				
647-UVZ1V331MPD	UVZ1V331MPD	330	10 x 12.5	5.0				
647-UVZ1V471MPD	UVZ1V471MPD	470	10 x 16	5.0				
647-UVZ1V102MHD	UVZ1V102MHD	1000	12.5 x 20	5.0				
647-UVZ1V222MHD	UVZ1V222MHD	2200	16 x 25	7.5				
647-UVZ1V332MHD	UVZ1V332MHD	3300	16 x 35.5	7.5				
647-UVZ1V472MHD	UVZ1V472MHD	4700	18 x 35.5	7.5				
50 Volt								
647-UVZ1H0R1MDD	UVZ1H0R1MDD	0.1	5 x 11	2.0				
647-UVZ1HR22MDD	UVZ1HR22MDD	0.22	5 x 11	2.0				
647-UVZ1HR33MDD	UVZ1HR33MDD	0.33	5 x 11	2.0				
647-UVZ1HR47MDD	UVZ1HR47MDD	0.47	5 x 11	2.0				
647-UVZ1H010MDD	UVZ1H010MDD	1.0	5 x 11	2.0				
647-UVZ1H2R2MDD	UVZ1H2R2MDD	2.2	5 x 11	2.0				
647-UVZ1H3R3MDD	UVZ1H3R3MDD	3.3	5 x 11	2.0				
647-UVZ1H4R7MDD	UVZ1H4R7MDD	4.7	5 x 11	2.0				
647-UVZ1H100MDD	UVZ1H100MDD	10	5 x 11	2.0				
647-UVZ1H220MDD	UVZ1H220MDD	22	5 x 11	2.0				
647-UVZ1H330MDD	UVZ1H330MDD	33	5 x 11	2.0				
647-UVZ1H470MED	UVZ1H470MED	47	6.3 x 11	2.5				
647-UVZ1H101MPD	UVZ1H101MPD	100	8 x 11.5	3.5				
60 Volt								
647-UVZ1W010MDD	UVZ1W010MDD	0.1	5 x 11	2.0				
647-UVZ1W2R2MDD	UVZ1W2R2MDD	0.22	5 x 11	2.0				
647-UVZ1W3R3MDD	UVZ1W3R3MDD	0.33	5 x 11	2.0				
647-UVZ1W4R7MDD	UVZ1W4R7MDD	0.47	5 x 11	2.0				
647-UVZ1W100MDD	UVZ1W100MDD	10	5 x 11	2.0				
647-UVZ1W220MDD	UVZ1W220MDD	22	5 x 11	2.0				
647-UVZ1W330MDD	UVZ1W330MDD	33	5 x 11	2.0				
647-UVZ1W470MED	UVZ1W470MED	47	6.3 x 11	2.5				
647-UVZ1W101MPD	UVZ1W101MPD	100	8 x 11.5	3.5				
80 Volt								
647-UVZ1M010MDD	UVZ1M010MDD	0.1	5 x 11	2.0				
647-UVZ1M2R2MDD	UVZ1M2R2MDD	0.22	5 x 11	2.0				
647-UVZ1M3R3MDD	UVZ1M3R3MDD	0.33	5 x 11	2.0				
647-UVZ1M4R7MDD	UVZ1M4R7MDD	0.47	5 x 11	2.0				
647-UVZ1M100MDD	UVZ1M100MDD	10	5 x 11	2.0				
647-UVZ1M220MDD	UVZ1M220MDD	22	5 x 11	2.0				
647-UVZ1M330MDD	UVZ1M330MDD	33	5 x 11	2.0				
647-UVZ1M470MED	UVZ1M470MED	47	6.3 x 11	2.5				
647-UVZ1M101MPD	UVZ1M101MPD	100	8 x 11.5	3.5				
100 Volt								
647-UVZ1N010MDD	UVZ1N010MDD	0.1	5 x 11	2.0				
647-UVZ1N2R2MDD	UVZ1N2R2MDD	0.22	5 x 11	2.0				
647-UVZ1N3R3MDD	UVZ1N3R3MDD	0.33	5 x 11	2.0				
647-UVZ1N4R7MDD	UVZ1N4R7MDD	0.47	5 x 11	2.0				
647-UVZ1N100MDD	UVZ1N100MDD	10	5 x 11	2.0				
647-UVZ1N220MDD	UVZ1N220MDD	22	5 x 11	2.0				
647-UVZ1N330MDD	UVZ1N330MDD	33	5 x 11	2.0				
647-UVZ1N470MED	UVZ1N470MED	47	6.3 x 11	2.5				
647-UVZ1N101MPD	UVZ1N101MPD	100	8 x 11.5	3.5				
150 Volt								
647-UVZ1O010MDD	UVZ1O010MDD	0.1	5 x 11	2.0				
647-UVZ1O2R2MDD	UVZ1O2R2MDD	0.22	5 x 11	2.0				
647-UVZ1O3R3MDD	UVZ1O3R3MDD	0.33	5 x 11	2.0				
647-UVZ1O4R7MDD	UVZ1O4R7MDD	0.47	5 x 11	2.0				
647-UVZ1O100MDD	UVZ1O100MDD	10	5 x 11	2.0				
647-UVZ1O220MDD	UVZ1O220MDD	22	5 x 11	2.0				
647-UVZ1O330MDD	UVZ1O330MDD	33	5 x 11	2.0				
647-UVZ1O470MED	UVZ1O470MED	47	6.3 x 11	2.5				
647-UVZ1O101MPD	UVZ1O101MPD	100	8 x 11.5	3.5				
200 Volt								
647-UVZ1P010MDD	UVZ1P010MDD	0.1	5 x 11	2.0				
647-UVZ1P2R2MDD	UVZ1P2R2MDD	0.22	5 x 11	2.0				
647-UVZ1P3R3MDD	UVZ1P3R3MDD	0.33	5 x 11	2.0				
647-UVZ1P4R7MDD	UVZ1P4R7MDD	0.47	5 x 11	2.0				
647-UVZ1P100MDD	UVZ1P100MDD	10	5 x 11	2.0				
647-UVZ1P220MDD	UVZ1P220MDD	22	5 x 11	2.0				
647-UVZ1P330MDD	UVZ1P330MDD	33	5 x 11	2.0				
647-UVZ1P470MED	UVZ1P470MED	47	6.3 x 11	2.5				
647-UVZ1P101MPD	UVZ1P101MPD	100	8 x 11.5	3.5				
250 Volt								
647-UVZ1Q010MDD	UVZ1Q010MDD	0.1	5 x 11	2.0				
647-UVZ1Q2R2MDD	UVZ1Q2R2MDD	0.22	5 x 11	2.0				
647-UVZ1Q3R3MDD	UVZ1Q3R3MDD	0.33	5 x 11	2.0				
647-UVZ1Q4R7MDD	UVZ1Q4R7MDD	0.47	5 x 11	2.0				
647-UVZ1Q100MDD	UVZ1Q100MDD	10	5 x 11	2.0				
647-UVZ1Q220MDD	UVZ1Q220MDD	22	5 x 11	2.0				
647-UVZ1Q330MDD	UVZ1Q330MDD	33	5 x 11	2.0				
647-UVZ1Q470MED	UVZ1Q470MED	47						

NICHICON Aluminum Electrolytic Capacitors **nichicon**

nichicon UPW 105°C LOW IMPEDANCE, HIGH REL. SERIES



Features:

- Low impedance and high reliability
- Endurance: 2000 hours: øD 5-6.3
3000 hours: øD 8
5000 hours: øD 10
7000 hours: øD 12.5
8000 hours: øD 16-18

Specifications:

- Operating temperature range:
-55°C ~ +105°C (6.3V ~ 100V)
- Voltage range: 6.3V ~ 450V
- Capacitance range: 0.47µF ~ 15000µF
- Capacitance tolerance: ±20% at 120Hz, 20°C



Application note:

- A higher voltage capacitor may be used in a lower voltage application

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Impedance Ω Max. @ 20°C/100kHz	Ripple (mA rms) 105°C/100kHz	Case Size D x L (mm) Max.	P (mm)	Price Each			
						1	25	100	500
6.3 Volt									
647-UPW0J221MED	220	0.25	290	6.3 x 11	2.5				
647-UPW0J331MED	330	0.25	290	6.3 x 11	2.5				
647-UPW0J821MPD	820	0.085	730	8 x 15	3.5				
647-UPW0J102MPD	1000	0.090	755	10 x 12.5	5.0				
647-UPW0J122MPD	1200	0.065	995	8 x 20	3.5				
647-UPW0J122MPD6	1200	0.068	1050	10 x 16	5.0				
647-UPW0J152MPD	1500	0.052	1220	10 x 20	5.0				
647-UPW0J222MPD6	2200	0.045	1440	10 x 25	5.0				
647-UPW0J332MHD	3300	0.038	1655	12.5 x 20	5.0				
647-UPW0J392MHD	3900	0.030	1945	12.5 x 25	5.0				
647-UPW0J472MHD	4700	0.022	2555	16 x 25	7.5				
647-UPW0J472MHD6	4700	0.025	2310	12.5 x 31.5	5.0				
647-UPW0J562MHD	5600	0.022	2510	12.5 x 35.5	5.0				
647-UPW0J682MHD	6800	0.022	2555	16 x 25	7.5				
647-UPW0J103MHD	10000	0.016	3150	16 x 31.5	7.5				
647-UPW0J103MHD6	10000	0.020	2740	18 x 25	7.5				
647-UPW0J153MHD	15000	0.015	3680	18 x 35.5	7.5				
10 Volt									
647-UPW1A220MDD	22	0.60	180	5 x 11	2.0				
647-UPW1A820MDD	82	0.60	180	5 x 11	2.0				
647-UPW1A101MDD	100	0.60	180	5 x 11	2.0				
647-UPW1A221MED	220	0.25	290	6.3 x 11	2.5				
647-UPW1A471MPD	470	0.117	555	8 x 11.5	3.5				
647-UPW1A681MPD	680	0.09	755	10 x 12.5	5.0				
647-UPW1A681MPD6	680	0.085	730	8 x 15	3.5				
647-UPW1A102MPD	1000	0.068	1050	10 x 16	5.0				
647-UPW1A102MPD6	1000	0.065	995	8 x 20	3.5				
647-UPW1A122MPD	1200	0.052	1220	10 x 20	5.0				
647-UPW1A152MPD6	1500	0.045	1440	10 x 25	5.0				
647-UPW1A222MHD	2200	0.038	1655	12.5 x 20	5.0				
647-UPW1A272MHD	2700	0.030	1945	12.5 x 25	5.0				
647-UPW1A332MHD	3300	0.030	1945	12.5 x 25	5.0				
647-UPW1A332MHD6	3300	0.025	2310	12.5 x 31.5	5.0				
647-UPW1A392MHD	3900	0.022	2510	12.5 x 35.5	5.0				
647-UPW1A472MHD	4700	0.022	2555	16 x 25	7.5				
647-UPW1A562MHD6	5600	0.028	2490	18 x 20	7.5				
647-UPW1A682MHD	6800	0.018	3010	16 x 31.5	7.5				
647-UPW1A682MHD6	6800	0.020	2740	18 x 25	7.5				
647-UPW1A103MHD	10000	0.015	3680	18 x 35.5	7.5				
16 Volt									
647-UPW1C820MDD	82	0.50	235	5 x 15	2.0				
647-UPW1C121MED	120	0.25	290	6.3 x 11	2.5				
647-UPW1C181MED	180	0.23	430	6.3 x 15	2.5				
647-UPW1C331MPD	330	0.117	555	8 x 11.5	3.5				
647-UPW1C471MPD	470	0.090	755	10 x 12.5	5.0				
647-UPW1C471MPD6	470	0.085	730	8 x 15	3.5				
647-UPW1C681MPD	680	0.068	1050	10 x 16	5.0				
647-UPW1C681MPD6	680	0.065	995	8 x 20	3.5				
647-UPW1C821MPD	820	0.052	1220	10 x 20	5.0				
647-UPW1C102MPD	1000	0.052	1220	10 x 20	5.0				
647-UPW1C152MHD	1500	0.038	1655	12.5 x 20	5.0				
647-UPW1C152MPD6	1500	0.035	1815	10 x 31.5	5.0				
647-UPW1C222MHD	2200	0.030	1945	12.5 x 25	5.0				
647-UPW1C272MHD	2700	0.025	2310	12.5 x 31.5	5.0				
647-UPW1C332MHD	3300	0.022	2555	16 x 25	7.5				
647-UPW1C332MHD6	3300	0.022	2510	12.5 x 35.5	5.0				
647-UPW1C392MHD	3900	0.022	2555	16 x 25	7.5				
647-UPW1C472MHD	4700	0.018	3010	16 x 31.5	7.5				
647-UPW1C472MHD6	4700	0.020	2740	18 x 25	7.5				
647-UPW1C562MHD	5600	0.016	3150	16 x 35.5	7.5				
647-UPW1C822MHD	8200	0.015	3680	18 x 35.5	7.5				
25 Volt									
647-UPW1E470MDD	47	0.60	180	5 x 11	2.0				
647-UPW1E560MDD	56	0.50	235	5 x 15	2.0				
647-UPW1E101MED	100	0.250	290	6.3 x 11	2.5				
647-UPW1E121MED	120	0.230	430	6.3 x 15	2.5				
647-UPW1E221MPD	220	0.117	555	8 x 11.5	3.5				
647-UPW1E331MPD	330	0.090	755	10 x 12.5	5.0				
647-UPW1E331MPD6	330	0.085	730	8 x 15	3.5				
647-UPW1E471MPD	470	0.068	1050	10 x 16	5.0				
647-UPW1E471MPD6	470	0.065	995	8 x 20	3.5				
647-UPW1E561MPD	560	0.052	1220	10 x 20	5.0				
647-UPW1E681MPD	680	0.052	1220	10 x 20	5.0				
647-UPW1E102MHD	1000	0.038	1655	12.5 x 20	5.0				
647-UPW1E152MHD	1500	0.022	2555	16 x 25	7.5				
647-UPW1E152MHD6	1500	0.030	1945	12.5 x 25	5.0				
647-UPW1E182MHD	1800	0.025	2310	12.5 x 31.5	7.5				
647-UPW1E222MHD6	2200	0.028	2490	18 x 20	7.5				
647-UPW1E222MHD3	2200	0.022	2510	12.5 x 35.5	7.5				
647-UPW1E272MHD	2700	0.022	2555	16 x 25	7.5				
647-UPW1E332MHD	3300	0.018	3010	16 x 31.5	7.5				
647-UPW1E332MHD6	3300	0.02	2740	18 x 25	7.5				
35 Volt									
25 Volt (cont.)									
647-UPW1E472MHD	4700	0.015	3680	18 x 35.5	7.5				
35 Volt									
647-UPW1V330MDD	33	0.60	180	5 x 11	2.0				
647-UPW1V390MDD	39	0.50	235	5 x 15	2.0				
647-UPW1V820MED	82	0.23	430	6.3 x 15	2.5				
647-UPW1V151MPD	150	0.117	555	8 x 11.5	3.5				
647-UPW1V221MPD	220	0.090	755	10 x 12.5	5.0				
647-UPW1V221MPD6	220	0.085	730	8 x 15	3.5				
647-UPW1V331MPD	330	0.068	1050	10 x 16	5.0				
647-UPW1V331MPD6	330	0.065	995	8 x 20	3.5				
647-UPW1V391MPD	390	0.052	1220	10 x 20	5.0				
647-UPW1V471MPD	470	0.052	1220	10 x 20	5.0				
647-UPW1V681MHD	680	0.038	1655	12.5 x 20	5.0				
647-UPW1V102MHD	1000	0.030	1945	12.5 x 25	5.0				
647-UPW1V122MHD	1200	0.025	2310	12.5 x 31.5	5.0				
647-UPW1V152MHD	1500	0.022	2555	16 x 25	7.5				
647-UPW1V152MHD6	1500	0.022	2510	12.5 x 35.5	5.0				
647-UPW1V222MHD	2200	0.018	3010	16 x 31.5	7.5				
647-UPW1V222MHD6	2200	0.020	2740	18 x 25	7.5				
647-UPW1V332MHD	3300	0.015	3680	18 x 35.5	7.5				
50 Volt									
647-UPW1H010MDD	1.0	3.50	40	5 x 11	2.0				
647-UPW1H2R2MDD	2.2	3.00	55	5 x 11	2.0				
647-UPW1H3R3MDD	3.3	2.60	65	5 x 11	2.0				
647-UPW1H4R7MDD	4.7	2.30	90	5 x 11	2.0				
647-UPW1H100MDD	10	1.40	120	5 x 11	2.0				
647-UPW1H220MDD	22	1.20	170	5 x 11	2.0				
647-UPW1H270MDD	27	0.90	215	5 x 15	2.0				
647-UPW1H330MED	33	0.43	300	6.3 x 11	2.5				
647-UPW1H470MED	47	0.43	300	6.3 x 11	2.5				
647-UPW1H560MED	56	0.40	360	6.3 x 15	2.5				
647-UPW1H101MPD	100	0.234	485	8 x 11.5	3.5				
647-UPW1H181MPD	180	0.120	860	8 x 20	3.5				
647-UPW1H331MPD	330	0.090	1030	10 x 20	5.0				
647-UPW1H471MHD	470	0.060	1500	12.5 x 20	5.0				
647-UPW1H561MHD	560	0.050	1832	12.5 x 25	5.0				
647-UPW1H681MHD	680	0.050	1832	12.5 x 25	5.0				
647-UPW1H681MHD6	680	0.048							

NICHICON Aluminum Electrolytic Capacitors **nichicon**

nichicon UHE 105°C LOW IMPEDANCE, HIGH REL. SERIES

Features:

- Lead free product
- High reliability
- Long life up to 10,000 hours

Specifications:

- Operating temperature range: -40°C to +105°C
- Voltage range: 6.3VDC - 100VDC
- Capacitance range: 6.8μF to 180000μF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: After 2 minutes of rated voltage, leakage current is not more than 0.01CV or 3(μA), whichever is greater



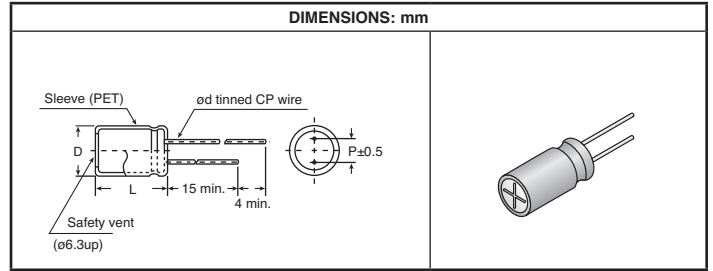
RoHS Compliant



LEAD-FREE

Application Note:

- A higher voltage capacitor may be used in a lower voltage application



Endurance				
Case Size (Diameter) øD	≤5-6.3	=8, 10	≥12.5	
Rated Voltage V	6.3~10WV	4000Hrs.	6000Hrs.	8000Hrs.
	16~100WV	5000Hrs.	7000Hrs.	10000Hrs.

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (μF)	Impedance Ω Max. @ 20°C/100kHz	Ripple (mA rms) (mA rms) 105°C/100kHz	Case Size D x L (mm) Max.	P (mm)	Price Each			
						1	10	100	500
6.3 Volt									
647-UHE0J331MED	330	0.22	340	6.3 x 11	2.5				
647-UHE0J681MPD	680	0.13	640	8 x 11.5	3.5				
647-UHE0J102MPD	1000	0.087	840	8 x 15	3.5				
647-UHE0J122MPD	1200	0.069	1050	8 x 20	3.5				
647-UHE0J182MHD	1800	0.049	1450	12.5 x 15	5.0				
647-UHE0J222MPD	2200	0.042	1650	10 x 25	5.0				
647-UHE0J332MHD	3300	0.035	1900	12.5 x 20	5.0				
647-UHE0J103MHD6	10000	0.019	3140	18 x 25	7.5				
10 Volt									
647-UHE1A101MDD	100	0.580	210	5 x 11	2.0				
647-UHE1A221MED	220	0.220	340	6.3 x 11	2.5				
647-UHE1A471MPD	470	0.130	640	8 x 11.5	3.5				
647-UHE1A681MPD	680	0.087	840	8 x 15	3.5				
647-UHE1A681MPD6	680	0.080	865	10 x 12.5	5.0				
647-UHE1A102MPD	1000	0.069	1050	8 x 20	5.0				
647-UHE1A102MPD6	1000	0.060	1210	10 x 16	5.0				
647-UHE1A122MPD	1200	0.046	1400	10 x 20	5.0				
647-UHE1A222MPD	2200	0.031	1910	10 x 31.5	5.0				
647-UHE1A332MHD	3300	0.027	2230	12.5 x 25	5.0				
647-UHE1A472MHD	4700	0.020	2880	12.5 x 35.5	5.0				
647-UHE1A682MHD	6800	0.017	3450	16 x 31.5	7.5				
647-UHE1A103MHD	10000	0.013	4080	16 x 40	7.5				
16 Volt									
647-UHE1C121MED	120	0.22	340	6.3 x 11	2.5				
647-UHE1C331MPD	330	0.13	640	8 x 11.5	3.5				
647-UHE1C471MPD	470	0.087	840	8 x 15	3.5				
647-UHE1C681MPD	680	0.069	1050	8 x 20	3.5				
647-UHE1C102MPD	1000	0.046	1400	10 x 20	5.0				
647-UHE1C122MPD	1200	0.042	1650	10 x 25	5.0				
647-UHE1C152MPD	1500	0.031	1910	10 x 31.5	5.0				
647-UHE1C222MHD	2200	0.027	2230	12.5 x 25	5.0				
647-UHE1C332MHD	3300	0.02	2880	12.5 x 35.5	5.0				
647-UHE1C472MHD	4700	0.017	3450	16 x 31.5	7.5				
647-UHE1C682MHD	6800	0.013	4080	16 x 40	7.5				
647-UHE1C103MHD	10000	0.012	4280	18 x 40	7.5				
25 Volt									
647-UHE1E470MDD	47	0.580	210	5 x 11	2.0				
647-UHE1E101MED	100	0.220	340	6.3 x 11	2.5				
647-UHE1E221MPD	220	0.130	640	8 x 11.5	3.5				
647-UHE1E331MPD	330	0.087	840	8 x 15	3.5				
647-UHE1E471MPD	470	0.060	1210	8 x 20	3.5				
647-UHE1E471MPD6	470	0.069	1050	10 x 16	5.0				
647-UHE1E681MPD	680	0.046	1400	10 x 20	5.0				
647-UHE1E102MPD	1000	0.031	1910	10 x 31.5	5.0				
647-UHE1E102MHD3	1000	0.042	1940	16 x 15	7.5				
647-UHE1E122MHD	1200	0.043	2210	18 x 15	7.5				
647-UHE1E222MHD	2200	0.020	2880	12.5 x 35.5	5.0				
647-UHE1E332MHD	3300	0.017	3450	16 x 31.5	7.5				
647-UHE1E472MHD	4700	0.013	4080	16 x 40	7.5				
35 Volt									
647-UHE1V330MDD	33	0.580	210	5 x 11	2.0				
647-UHE1V151MPD	150	0.130	640	8 x 11.5	3.5				
647-UHE1V221MPD	220	0.087	840	8 x 15	3.5				
647-UHE1V331MPD	330	0.060	1210	10 x 16	5.0				

MOUSER STOCK NO.	Value (μF)	Impedance Ω Max. @ 20°C/100kHz	Ripple (mA rms) (mA rms) 105°C/100kHz	Case Size D x L (mm) Max.	P (mm)	Price Each			
						1	10	100	500
35 Volt (Cont.)									
647-UHE1V471MPD	470	0.046	1400	10 x 20	5.0				
647-UHE1V681MPD	680	0.031	1910	10 x 31.5	5.0				
647-UHE1V102MHD	1000	0.027	2230	12.5 x 25	5.0				
647-UHE1V122MHD	1200	0.024	2650	12.5 x 31.5	5.0				
647-UHE1V182MHD	1800	0.017	3350	12.5 x 40	5.0				
647-UHE1V222MHD	2200	0.017	3450	16 x 31.5	7.5				
647-UHE1V332MHD	3300	0.013	4080	16 x 40	7.5				
50 Volt									
647-UHE1H220MDD	22	0.700	180	5 x 11	2.0				
647-UHE1H560MED	56	0.300	295	6.3 x 11	2.5				
647-UHE1H101MPD	100	0.170	555	8 x 11.5	3.5				
647-UHE1H121MPD	120	0.120	730	8 x 15	3.5				
647-UHE1H151MPD	150	0.120	760	10 x 12.5	5.0				
647-UHE1H221MPD	220	0.084	1050	10 x 16	5.0				
647-UHE1H331MPD	330	0.055	1440	10 x 25	5.0				
647-UHE1H471MPD	470	0.043	1690	10 x 31.5	5.0				
647-UHE1H471MHD3	470	0.055	1690	16 x 15	7.5				
647-UHE1H681MHD	680	0.030	2310	12.5 x 31.5	5.0				
647-UHE1H102MHD	1000	0.021	2920	12.5 x 40	5.0				
647-UHE1H102MHD3	1000	0.036	2490	18 x 20	7.5				
647-UHE1H122MHD	1200	0.022	3010	16 x 31.5	7.5				
647-UHE1H222MHD6	2200	0.017	3680	18 x 35.5	7.5				
63 Volt									
647-UHE1J150MDD	15	2.300	55	5 x 11	2.0				
647-UHE1J330MED	33	1.200	115	6.3 x 11	2.5				
647-UHE1J820MPD	82	0.450	300	8 x 15	3.5				
647-UHE1J121MPD	120	0.330	362	8 x 20	3.5				
647-UHE1J181MPD	180	0.210	466	10 x 20	5.0				
647-UHE1J221MPD	220	0.200	531	10 x 25	5.0				
647-UHE1J271MPD	270	0.150	663	10 x 31.5	5.0				
647-UHE1J331MHD	330	0.120	784	12.5 x 25	5.0				
647-UHE1J471MHD	470	0.100	905	12.5 x 31.5	5.0				
647-UHE1J681MHD	680	0.071	1180	12.5 x 40	5.0				
647-UHE1J821MHD	820	0.054	1570	16 x 31.5	7.5				
647-UHE1J102MHD	1000	0.045	1790	16 x 35.5	7.5				
647-UHE1J102MHD6	1000	0.047	1630	18 x 31.5	7.5				
647-UHE1J122MHD	1200	0.040	2020	16 x 40	7.5				
100 Volt									
647-UHE2A6R8MDD	6.8	2.300	55	5 x 11	2.0				
647-UHE2A150MED	15	1.200	115	6.3 x 11	2.5				
647-UHE2A390MPD	39	0.450	300	8 x 15	3.5				
647-UHE2A470MPD	47	0.430	288	10 x 12.5	5.0				
647-UHE2A680MPD	68	0.310	357	10 x 16	5.0				
647-UHE2A820MPD	82	0.210	466	10 x 20	5.0				
647-UHE2A101MPD	100	0.200	531	10 x 25	5.0				
647-UHE2A121MPD	120	0.150	663	10 x 31.5	5.0				
647-UHE2A181MHD	180	0.120	784	12.5 x 25	5.0				
647-UHE2A221MHD	220	0.100	905	12.5 x 31.5	5.0				
647-UHE2A331MHD	330	0.071	1180	12.5 x 40	5.0				
647-UHE2A391MHD	390	0.054	1570	16 x 31.5	7.5				
647-UHE2A471MHD	470	0.045	1790	16 x 35.5	7.5				
647-UHE2A561MHD	560	0.040	2020	16 x 40	7.5				
647-UHE2A681MHD	680	0.040	1790	18 x 35.5	7.5				
647-UHE2A811MHD	820	0.036	2330	18 x 40	7.5				

NICHICON Aluminum Electrolytic Capacitors



nichicon USR 7MM 85°C SERIES, GENERAL PURPOSE

Specifications:

- Operating temperature range: -40°C ~ +85°C
- Voltage range: 4V ~ 50V
- Capacitance range: 0.1µF ~ 470µF
- Endurance: 2000 hours @ 85°C

- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: after 2 minutes application of rated voltage, leakage current is no more than 0.01CV or 3µA, whichever is greater

Application Note:

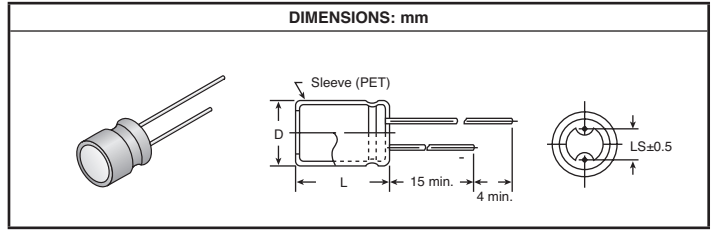
- A higher voltage capacitor may be used in a lower voltage application



LEAD-FREE



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
						1	10	100	500
647-USR0J220MDD	USR0J220MDD	6.3	22	4 x 7	1.5				
647-USR0J330MDD	USR0J330MDD	6.3	33	4 x 7	1.5				
647-USR0J470MDD	USR0J470MDD	6.3	47	4 x 7	1.5				
647-USR0J101MDD	USR0J101MDD	6.3	100	5 x 7	2.0				
647-USR0J221MDD	USR0J221MDD	6.3	220	6.3 x 7	2.5				
647-USR0J331MDD	USR0J331MDD	6.3	330	8 x 7	3.5				
647-USR1A220MDD	USR1A220MDD	10	22	4 x 7	1.5				
647-USR1A330MDD	USR1A330MDD	10	33	4 x 7	1.5				
647-USR1A470MDD	USR1A470MDD	10	47	5 x 7	2.0				
647-USR1A101MDD	USR1A101MDD	10	100	6.3 x 7	2.5				
647-USR1A221MDD	USR1A221MDD	10	220	8 x 7	3.5				
647-USR1C100MDD	USR1C100MDD	16	10	4 x 7	1.5				
647-USR1C220MDD	USR1C220MDD	16	22	4 x 7	1.5				
647-USR1C330MDD	USR1C330MDD	16	33	5 x 7	2.0				
647-USR1C470MDD	USR1C470MDD	16	47	5 x 7	2.0				
647-USR1C101MDD	USR1C101MDD	16	100	6.3 x 7	2.5				
647-USR1E100MDD	USR1E100MDD	25	10	4 x 7	1.5				
647-USR1E220MDD	USR1E220MDD	25	22	5 x 7	2.0				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
						1	10	100	500
647-USR1E330MDD	USR1E330MDD	25	33	5 x 7	2.0				
647-USR1E470MDD	USR1E470MDD	25	47	6.3 x 7	2.5				
647-USR1V4R7MDD	USR1V4R7MDD	35	4.7	4 x 7	1.5				
647-USR1V100MDD	USR1V100MDD	35	10	4 x 7	1.5				
647-USR1V220MDD	USR1V220MDD	35	22	5 x 7	2.0				
647-USR1V330MDD	USR1V330MDD	35	33	6.3 x 7	2.5				
647-USR1V470MDD	USR1V470MDD	35	47	8 x 7	3.5				
647-USR1H0R1MDD	USR1H0R1MDD	50	.1	4 x 7	1.5				
647-USR1HR22MDD	USR1HR22MDD	50	.22	4 x 7	1.5				
647-USR1HR33MDD	USR1HR33MDD	50	.33	4 x 7	1.5				
647-USR1HR47MDD	USR1HR47MDD	50	.47	4 x 7	1.5				
647-USR1H010MDD	USR1H010MDD	50	1	4 x 7	1.5				
647-USR1H2R2MDD	USR1H2R2MDD	50	2.2	4 x 7	1.5				
647-USR1H3R3MDD	USR1H3R3MDD	50	3.3	4 x 7	1.5				
647-USR1H4R7MDD	USR1H4R7MDD	50	4.7	4 x 7	1.5				
647-USR1H100MDD	USR1H100MDD	50	10	5 x 7	2.0				
647-USR1H220MDD	USR1H220MDD	50	22	6.3 x 7	2.5				
647-USR1H330MDD	USR1H330MDD	50	33	8 x 7	3.5				

nichicon UVP 85°C BI-POLAR SERIES (LEAD FREE)

Specifications:

- Operating temperature range: -40°C ~ +85°C
- Voltage range: 6.3V ~ 100V
- Capacitance range: 0.47µF ~ 6800µF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: After 5 minutes application of rated voltage, leakage current is not more than 0.03CV or 3µA, whichever is greater
- Endurance: 2000 hours @ 85°C with polarity reversed every 250 hours

Features:

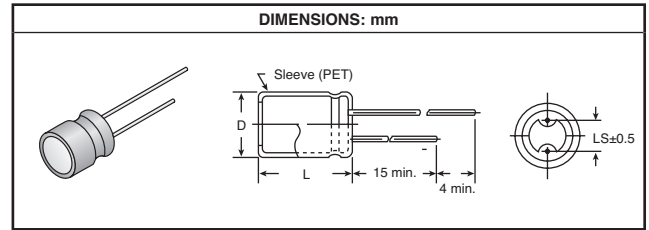
- Standard bi-polarized series for entertainment electronics
- Ideal for circuits where reverse voltage is applied when switches are turned off or on or where the polarity is not constant

Application Note:

- A higher voltage capacitor may be used in a lower voltage application



LEAD-FREE



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
						1	10	100	500
647-UVP0J330MDD	UVP0J330MDD	6.3	33	5 x 11	2.0				
647-UVP0J101MED	UVP0J101MED	6.3	100	6.3 x 11	2.5				
647-UVP0J221MPD	UVP0J221MPD	6.3	220	8 x 11.5	3.5				
647-UVP0J471MPD	UVP0J471MPD	6.3	470	10 x 12.5	5.0				
647-UVP0J102MPD	UVP0J102MPD	6.3	1000	10 x 20	5.0				
647-UVP0J222MHD	UVP0J222MHD	6.3	2200	12.5 x 25	5.0				
647-UVP0J332MHD	UVP0J332MHD	6.3	3300	16 x 25	7.5				
647-UVP0J472MHD	UVP0J472MHD	6.3	4700	16 x 31.5	7.5				
647-UVP0J682MHD	UVP0J682MHD	6.3	6800	18 x 35.5	7.5				
647-UVP1A220MDD	UVP1A220MDD	10	22	5 x 11	2.0				
647-UVP1A470MDD	UVP1A470MDD	10	47	5 x 11	2.0				
647-UVP1A101MED	UVP1A101MED	10	100	6.3 x 11	2.5				
647-UVP1A221MPD	UVP1A221MPD	10	220	8 x 11.5	3.5				
647-UVP1A331MPD	UVP1A331MPD	10	330	10 x 16	5.0				
647-UVP1A471MPD	UVP1A471MPD	10	470	10 x 16	5.0				
647-UVP1A102MHD	UVP1A102MHD	10	1000	12.5 x 20	5.0				
647-UVP1A222MHD	UVP1A222MHD	10	2200	16 x 25	7.5				
647-UVP1A472MHD	UVP1A472MHD	10	4700	18 x 35.5	7.5				
647-UVP1C100MDD	UVP1C100MDD	16	10	5 x 11	2.0				
647-UVP1C220MDD	UVP1C220MDD	16	22	5 x 11	2.0				
647-UVP1C330MDD	UVP1C330MDD	16	33	5 x 11	2.0				
647-UVP1C470MED	UVP1C470MED	16	47	6.3 x 11	2.5				
647-UVP1C101MPD	UVP1C101MPD	16	100	8 x 11.5	3.5				
647-UVP1C221MPD	UVP1C221MPD	16	220	10 x 12.5	5.0				
647-UVP1C331MPD	UVP1C331MPD	16	330	10 x 16	5.0				
647-UVP1C471MPD	UVP1C471MPD	16	470	10 x 20	5.0				
647-UVP1C102MHD	UVP1C102MHD	16	1000	12.5 x 25	5.0				
647-UVP1C222MHD	UVP1C222MHD	16	2200	16 x 31.5	7.5				
647-UVP1C332MHD	UVP1C332MHD	16	3300	18 x 35.5	7.5				
647-UVP1E100MDD	UVP1E100MDD	25	10	5 x 11	2.0				
647-UVP1E220MED	UVP1E220MED	25	22	6.3 x 11	2.5				
647-UVP1E330MED	UVP1E330MED	25	33	6.3 x 11	2.5				
647-UVP1E470MED	UVP1E470MED	25	47	6.3 x 11	2.5				
647-UVP1E101MPD	UVP1E101MPD	25	100	8 x 11.5	3.5				
647-UVP1E221MPD	UVP1E221MPD	25	220	10 x 16	5.0				
647-UVP1E331MHD	UVP1E331MHD	25	330	12.5 x 20	5.0				
647-UVP1E471MHD	UVP1E471MHD	25	470	12.5 x 20	5.0				
647-UVP1E102MHD	UVP1E102MHD	25	1000	16 x 25	7.5				
647-UVP1E222MHD	UVP1E222MHD	25	2200	18 x 35.5	7.5				
647-UVP1V4R7MDD	UVP1V4R7MDD	35	4.7	5 x 11	2.0				
647-UVP1V100MDD	UVP1V100MDD	35	10	5 x 11	2.0				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
						1	10	100	500
647-UVP1V220MED	UVP1V220MED	35	22	6.3 x 11	2.5				
647-UVP1V330MPD	UVP1V330MPD	35	33	8 x 11.5	3.5				
647-UVP1V470MPD	UVP1V470MPD	35	47	8 x 11.5	3.5				
647-UVP1V101MPD	UVP1V101MPD	35	100	10 x 16	5.0				
647-UVP1V221MHD	UVP1V221MHD	35	220	12.5 x 20	5.0				
647-UVP1V331MHD	UVP1V331MHD	35	330	12.5 x 20	5.0				
647-UVP1V471MHD	UVP1V471MHD	35	470	12.5 x 25	5.0				
647-UVP1V102MHD	UVP1V102MHD	35	1000	16 x 31.5	7.5				
647-UVP1HR47MDD	UVP1HR47MDD	50	0.47	5 x 11	2.0				
647-UVP1H010MDD	UVP1H010MDD	50	1	5 x 11	2.0				
647-UVP1H2R2MDD	UVP1H2R2MDD	50	2.2	5 x 11	2.0				
647-UVP1H3R3MDD	UVP1H3R3MDD	50	3.3	5 x 11	2.0				
647-UVP1H4R7MDD	UVP1H4R7MDD	50	4.7	5 x 11	2.0				
647-UVP1H100MED	UVP1H100MED	50	10	6.3 x 11	2.5				
647-UVP1H220MPD	UVP1H220MPD	50	22	8 x 11.5	3.5				
647-UVP1H330MPD	UVP1H330MPD	50	33	8 x 11.5	3.5				
647-UVP1H470MPD	UVP1H470MPD	50	47	10 x 12.5	5.0				
647-UVP1H101MPD	UVP1H101MPD	50	100	10 x 20	5.0				
647-UVP1H221MHD	UVP1H221MHD	50	220	12.5 x 25	5.0				
647-UVP1H331MHD	UVP1H331MHD	50	330	16 x 25	7.5				
647-UVP1H471MHD	UVP1H471MHD	50	470	16 x 31.5	7.5				
647-UVP1J3R3MDD	UVP1J3R3MDD	63	3.3	5 x 11	2.0				
647-UVP1J4R7MED	UVP1J4R7MED	63	4.7	6.3 x 11	2.5				
647-UVP1J100MED	UVP1J100MED	63	10	6.3 x 11	2.5				
647-UVP1J220MPD	UVP1J220MPD	63	22	8 x 11.5	3.5				
647-UVP1J330MPD	UVP1J330MPD	63	33	10 x 12.5	5.0				
647-UVP1J470MPD	UVP1J470MPD	63	47	10 x 16	5.0				
647-UVP1J101MHD	UVP1J101MHD	63	100	12.5 x 20	5.0				
647-UVP1J221MHD	UVP1J221MHD	63	220	16 x 25	7.5				
647-UVP1J331MHD	UVP1J331MHD	63	330	16 x 31.5	7.5				
647-UVP1J471MHD	UVP1J471MHD	63	470	18 x 35.5	7.5				
647-UVP2AR47MDD	UVP2AR47MDD	100	0.47	5 x 11	2.0				
647-UVP2A010MDD	UVP2A010MDD	100	1	5 x 11	2.0				
647-UVP2A2R2MED	UVP2A2R2MED	100	2.2	6.3 x 11	2.5				
647-UVP2A3R3MED	UVP2A3R3MED	100	3.3	6.3 x 11	2.5				
647-UVP2A4R7MED	UVP2A4R7MED	100	4.7	6.3 x 11	2.5				
647-UVP2A100MPD	UVP2A100MPD	100	10	8 x 11.5	3.5				
647-UVP2A220MPD	UVP2A220MPD	100	22	10 x 16	5.0				
647-UVP2A330MHD	UVP2A330MHD	100	33	12.5 x 20	5.0				
647-UVP2A470MHD	UVP2A470MHD	100	47	12.5 x 20	5.0				
647-UVP2A101MHD	UVP2A101MHD	100	100						

NICHICON Aluminum Electrolytic Capacitors **nichicon**



This product is RoHS compliant.

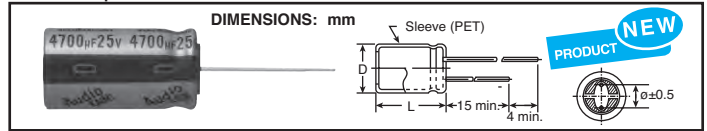
nichicon KA 105°C SERIES, AUDIO GRADE

Specifications:

- Operating temperature range: -55°C to +105°C
- Voltage range: 6.3 - 50V
- Capacitance range: 22 to 22000µF
- Endurance: 2000 hours at 105°C
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage Current: After 1 minute's application of rated voltage, leakage current is not more than 0.03CV or 4(µA), whichever is greater. After 2 minute's application of rated voltage, leakage current is not more than 0.01CV or 3(µA), whichever is greater.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				1	100		
647	—UKA0J220MDD1TD	6.3	22	5 x 11			2000	
647	—UKA0J330MDD1TD	6.3	33	5 x 11			2000	
647	—UKA0J470MDD1TD	6.3	47	5 x 11			2000	
647	—UKA0J101MDD1TD	6.3	100	5 x 11			2000	
647	—UKA0J221MED1TD	6.3	220	6.3 x 11			2000	
647	—UKA0J331MED1TD	6.3	330	6.3 x 11			2000	
647	—UKA0J471MPD1TD	6.3	470	8 x 11.5			1000	
647	—UKA0J102MPD1TD	6.3	1000	10 x 12.5			500	
647	—UKA0J222MPD1TD	6.3	2200	10 x 20			500	
647	—UKA0J332MHD1TO	6.3	3300	12.5 x 20			500	
647	—UKA0J472MHD1TO	6.3	4700	12.5 x 25			500	
647	—UKA0J103MHD	6.3	10000	12.5 x 40			500	
647	—UKA0J153MHD	6.3	15000	16 x 35.5			500	
647	—UKA1A220MDD1TD	10	22	5 x 11			2000	
647	—UKA1A330MDD1TD	10	33	5 x 11			2000	
647	—UKA1A470MDD1TD	10	47	5 x 11			2000	
647	—UKA1A101MDD1TD	10	100	5 x 11			2000	
647	—UKA1A221MED1TD	10	220	6.3 x 11			2000	
647	—UKA1A331MPD1TD	10	330	8 x 11.5			1000	
647	—UKA1A471MPD1TD	10	470	8 x 11.5			1000	
647	—UKA1A102MPD1TD	10	1000	10 x 16			500	
647	—UKA1A153MHD	10	1500	18 x 40			500	
647	—UKA1A222MHD	10	2200	12.5 x 20			500	
647	—UKA1A332MHD1TO	10	3300	12.5 x 25			500	
647	—UKA1A472MHD	10	4700	12.5 x 35.5			500	
647	—UKA1A682MHD	10	6800	12.5 x 40			500	
647	—UKA1C220MDD1TD	16	22	5 x 11			2000	
647	—UKA1C330MDD1TD	16	33	5 x 11			2000	
647	—UKA1C470MDD1TD	16	47	5 x 11			2000	
647	—UKA1C101MDD1TD	16	100	5 x 11			2000	
647	—UKA1C221MED1TD	16	220	6.3 x 11			2000	
647	—UKA1C331MPD1TD	16	330	8 x 11.5			1000	



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size D x L (mm)	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				1	100		
647	—UKA1C471MPD1TD	16	470	8 x 11.5			1000	
647	—UKA1C102MPD1TD	16	1000	10 x 16			500	
647	—UKA1C222MHD1TO	16	2200	12.5 x 20			500	
647	—UKA1C472MHD	16	4700	12.5 x 35.5			500	
647	—UKA1C103MHD	16	10000	18 x 35.5			500	
647	—UKA1E220MDD1TD	25	22	5 x 11			2000	
647	—UKA1E330MDD1TD	25	33	5 x 11			2000	
647	—UKA1E470MDD1TD	25	47	5 x 11			2000	
647	—UKA1E101MED1TD	25	100	6.3 x 11			2000	
647	—UKA1E221MPD1TD	25	220	8 x 11.5			1000	
647	—UKA1E331MPD1TD	25	330	8 x 11.5			1000	
647	—UKA1E471MPD1TD	25	470	10 x 12.5			500	
647	—UKA1V220MDD1TD	25	1000	10 x 20			500	
647	—UKA1E332MHD	25	3300	12.5 x 35.5			500	
647	—UKA1E472MHD	25	4700	16 x 31.5			500	
647	—UKA1E682MHD	25	6800	18 x 35.5			500	
647	—UKA1V220MDD1TD	35	22	5 x 11			2000	
647	—UKA1V330MDD1TD	35	33	5 x 11			2000	
647	—UKA1V470MDD1TD	35	47	5 x 11			2000	
647	—UKA1V101MED1TD	35	100	6.3 x 11			2000	
647	—UKA1V221MPD1TD	35	220	8 x 11.5			1000	
647	—UKA1V331MPD1TD	35	330	10 x 12.5			500	
647	—UKA1V471MPD1TD	35	470	10 x 16			500	
647	—UKA1V102MHD1TO	35	1000	12.5 x 25			500	
647	—UKA1H220MDD1TD	50	22	5 x 11			2000	
647	—UKA1H330MDD1TD	50	33	5 x 11			2000	
647	—UKA1H470MDD1TD	50	47	6.3 x 11			2000	
647	—UKA1H101MPD1TD	50	100	8 x 11.5			1000	
647	—UKA1H221MPD1TD	50	220	10 x 12.5			500	
647	—UKA1H331MPD1TD	50	330	10 x 16			500	
647	—UKA1H471MHD1TO	50	470	12.5 x 20			500	

Nichicon Aluminum Caps, Leaded

nichicon TVX 85°C AXIAL SERIES

Specifications:

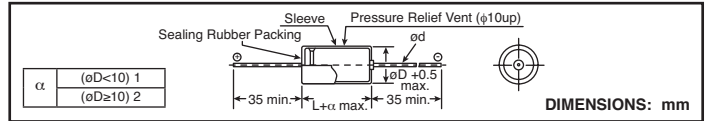
- Operating temperature range: -40°C to +85°C (6.3V to 250V), -25°C to +85°C (315V to 450V)
- Voltage range: 6.3V-450V
- Capacitance range: 0.47µF to 10000µF
- Capacitance tolerance: ±20% at 120Hz/20°C
- Endurance: 2000 hours at 85°C

Application Note:

- A higher voltage capacitor may be used in a lower voltage application

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size D x L (mm)	Price Each			
Mfr.	Mfr. Part No.				1	100	500	1000
647	—TVX0J101MAD	6.3	100	5 x 12				
647	—TVX0J221MAD	6.3	220	6.3 x 16				
647	—TVX0J331MAD	6.3	330	6.3 x 16				
647	—TVX0J102MCD	6.3	1000	10 x 21				
647	—TVX0J332MCD	6.3	3300	13 x 26				
647	—TVX1A101MAD	10	100	6.3 x 12				
647	—TVX1A221MAD	10	220	6.3 x 16				
647	—TVX1A331MAD	10	330	8 x 16				
647	—TVX1A471MAD	10	470	8 x 16				
647	—TVX1A102MCD	10	1000	10 x 21				
647	—TVX1A222MCD	10	2200	13 x 26				
647	—TVX1C220MAD	16	22	5 x 12				
647	—TVX1C330MAD	16	33	5 x 12				
647	—TVX1C470MAD	16	47	5 x 12				
647	—TVX1C101MAD	16	100	6.3 x 16				
647	—TVX1C221MAD	16	220	8 x 16				
647	—TVX1C331MAD	16	330	8 x 16				
647	—TVX1C471MAD	16	470	8 x 20				
647	—TVX1C102MCD	16	1000	10 x 26				
647	—TVX1C222MCD	16	2200	13 x 31.5				
647	—TVX1C332MCD	16	3300	16 x 31.5				
647	—TVX1C472MCD	16	4700	16 x 41.5				
647	—TVX1C103MDD	16	10000	22 x 40				
647	—TVX1E100MAD	25	10	5 x 12				
647	—TVX1E220MAD	25	22	5 x 12				
647	—TVX1E330MAD	25	33	5 x 12				
647	—TVX1E470MAD	25	47	6.3 x 12				
647	—TVX1E101MAD	25	100	6.3 x 16				
647	—TVX1E221MAD	25	220	8 x 16				
647	—TVX1E331MAD	25	330	8 x 20				
647	—TVX1E471MCD	25	470	10 x 26				
647	—TVX1E102MCD	25	1000	13 x 26				
647	—TVX1E222MCD	25	2200	16 x 31.5				
647	—TVX1E332MCD	25	3300	16 x 41.5				
647	—TVX1E472MCD	25	4700	18 x 41				
647	—TVX1V100MAD	35	10	5 x 12				
647	—TVX1V220MAD	35	22	5 x 12				
647	—TVX1V330MAD	35	33	6.3 x 12				
647	—TVX1V470MAD	35	47	6.3 x 16				
647	—TVX1V101MAD	35	100	8 x 16				
647	—TVX1V221MAD	35	220	8 x 20				
647	—TVX1V331MCD	35	330	10 x 21				
647	—TVX1V471MCD	35	470	10 x 26				
647	—TVX1V102MCD	35	1000	13 x 31.5				
647	—TVX1V222MCD	35	2200	16 x 31.5				
647	—TVX1V332MCD	35	3300	16 x 41.5				
647	—TVX1H010MAD	50	1.0	5 x 12				
647	—TVX1H2R2MAD	50	2.2	5 x 12				



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size D x L (mm)	Price Each			
Mfr.	Mfr. Part No.				1	100	500	1000
647	—TVX1H3R3MAD	50	3.3	5 x 12				
647	—TVX1H4R7MAD	50	4.7	5 x 12				
647	—TVX1H100MAD	50	10	5 x 12				
647	—TVX1H220MAD	50	22	6.3 x 12				
647	—TVX1H330MAD	50	33	6.3 x 16				
647	—TVX1H470MAD	50	47	6.3 x 16				
647	—TVX1H101MAD	50	100	8 x 16				
647	—TVX1H221MCD	50	220	10 x 21				
647	—TVX1H331MCD	50	330	10 x 26				
647	—TVX1H471MCD	50	470	13 x 26				
647	—TVX1H102MCD	50	1000	16 x 31.5				
647	—TVX1H222MCD	50	2200	18 x 41				
647	—TVX1H332MDD	50	3300	22 x 40				
647	—TVX1H472MDD	50	4700	22 x 52				
647	—TVX1J100MAD	63	10	5 x 12				
647	—TVX1J220MAD	63	22	6.3 x 12				
647	—TVX1J330MAD	63	33	6.3 x 16				
647	—TVX1J470MAD	63	47	8 x 16				
647	—TVX1J101MAD	63	100	8 x 20				
647	—TVX1J221MCD	63	220	10 x 26				
647	—TVX1J331MCD	63	330	13 x 26				
647	—TVX1J471MCD	63	470	13 x 31.5				
647	—TVX1J102MCD	63	1000	16 x 31.5				
647	—TVX2A010MAD	100	1.0	5 x 12				
647	—TVX2A2R2MAD	100	2.2	5 x 12				
647	—TVX2A4R7MAD	100	4.7	5 x 12				
647	—TVX2A100MAD	100	10	6.3 x 12				
647	—TVX2A220MAD	100	22	8 x 16				
647	—TVX2A330MAD	100	33	8 x 16				
647	—TVX2A470MAD	100	47	8 x 20				
647	—TVX2A101MCD	100	100	10 x 26				
647	—TVX2A221MCD	100	220	13				

NICHICON Aluminum Electrolytic Capacitors

nichicon

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LH SERIES - SMD, CHIP TYPE, HIGH VOLTAGE, HIGH RELIABILITY, LONG LIFE, ALUMINUM ELECTROLYTIC CAPACITORS

Specifications:

• Tolerance: 20% • Operating temperature range: -40°C to +125°C For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Ripple Current (mA)	Case Size øD x L (mm)	Price Each			Reel Qty	Price Per Piece
					1	10	100		
160 Volt									
647-ULH2C120MNL1GS	ULH2C120MNL1GS	12	45	8x10				500	
647-ULH2C180MNL1GS	ULH2C180MNL1GS	18	60	10x10				500	
647-ULH2C270MNL1GS	ULH2C270MNL1GS	27	65	10x13.5				400	
200 Volt									
647-ULH2D100MNL1GS	ULH2D100MNL1GS	10	45	8x10				500	
647-ULH2D220MNL1GS	ULH2D220MNL1GS	22	65	10x13.5				400	
250 Volt									
647-ULH2E7R5MNL1GS	ULH2E7R5MNL1GS	7.5	30	8x10				500	
647-ULH2E120MNL1GS	ULH2E120MNL1GS	12	45	10x10				500	
647-ULH2E150MNL1GS	ULH2E150MNL1GS	15	50	10x13.5				400	
400 Volt									
647-ULH2G5R6MNL1GS	ULH2G5R6MNL1GS	5.6	45	10x10				500	
647-ULH2G7R5MNL1GS	ULH2G7R5MNL1GS	7.5	50	10x13.5				400	
450 Volt									
647-ULH2W3R9MNL1GS	ULH2W3R9MNL1GS	3.9	35	10x10				500	

LR SERIES - SMD, CHIP TYPE, HIGH VOLTAGE, ALUMINUM ELECTROLYTIC CAPACITORS

Specifications:

• Tolerance: 20% • Operating temperature range: -40°C to +105°C For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Ripple Current (mA)	Case Size øD x L (mm)	Price Each			Reel Qty	Price Per Piece
					1	10	100		
160 Volt									
647-ULR2C150MNL1GS	ULR2C150MNL1GS	15	50	8x10				500	
647-ULR2C270MNL1GS	ULR2C270MNL1GS	27	65	10x10				500	
647-ULR2C390MNL1GS	ULR2C390MNL1GS	39	70	10x13.5				400	
200 Volt									
647-ULR2D120MNL1GS	ULR2D120MNL1GS	12	50	8x10				500	
647-ULR2D220MNL1GS	ULR2D220MNL1GS	22	65	10x10				500	
647-ULR2D330MNL1GS	ULR2D330MNL1GS	33	70	10x13.5				400	
250 Volt									
647-ULR2E100MNL1GS	ULR2E100MNL1GS	10	35	8x10				500	
647-ULR2E150MNL1GS	ULR2E150MNL1GS	15	50	10x10				500	
647-ULR2E220MNL1GS	ULR2E220MNL1GS	22	55	10x13.5				400	
400 Volt									
647-ULR2G120MNL1GS	ULR2G120MNL1GS	12	55	10x13.5				400	
450 Volt									
647-ULR2W3R9MNL1GS	ULR2W3R9MNL1GS	3.9	25	8x10				500	
647-ULR2W6R8MNL1GS	ULR2W6R8MNL1GS	6.8	40	10x10				500	
500 Volt									
647-ULR2H3R9MNL1GS	ULR2H3R9MNL1GS	3.9	35	10x10				500	
647-ULR2H5R6MNL1GS	ULR2H5R6MNL1GS	5.6	40	10x13.5				400	

LT SERIES - SMD, CHIP TYPE, HIGH VOLTAGE, HIGH TEMPERATURE, LONG LIFE, ALUMINUM ELECTROLYTIC CAPACITORS

Specifications:

• Tolerance: 20% • Operating temperature range: -40°C to +125°C For quantities greater than listed, call for quote.


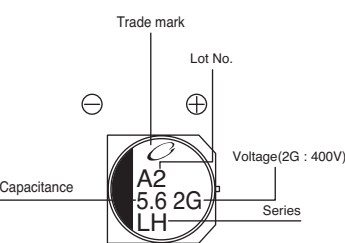
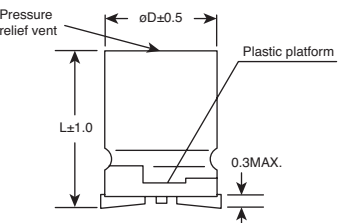
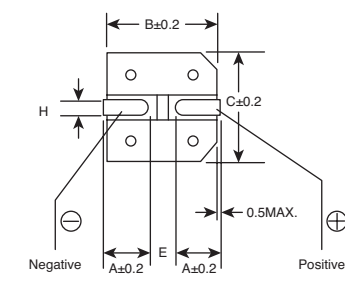
MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Ripple Current (mA)	Case Size øD x L (mm)	Price Each			Reel Qty	Price Per Piece
					1	10	100		
160 Volt									
647-ULT2C150MNL1GS	ULT2C150MNL1GS	15	45	8x10				500	
647-ULT2C220MNL1GS	ULT2C220MNL1GS	22	60	10x10				500	
647-ULT2C330MNL1GS	ULT2C330MNL1GS	33	65	10x13.5				400	
200 Volt									
647-ULT2D120MNL1GS	ULT2D120MNL1GS	12	45	8x10				500	
647-ULT2D180MNL1GS	ULT2D180MNL1GS	18	60	10x10				500	
647-ULT2D270MNL1GS	ULT2D270MNL1GS	27	65	10x13.5				400	
250 Volt									
647-ULT2E8R2MNL1GS	ULT2E8R2MNL1GS	8.2	30	8x10				500	
647-ULT2E150MNL1GS	ULT2E150MNL1GS	15	45	10x10				500	
647-ULT2E180MNL1GS	ULT2E180MNL1GS	18	50	10x13.5				400	
400 Volt									
647-ULT2G3R9MNL1GS	ULT2G3R9MNL1GS	3.9	30	8x10				500	
647-ULT2G6R8MNL1GS	ULT2G6R8MNL1GS	6.8	45	10x10				500	
450 Volt									
647-ULT2W3R3MNL1GS	ULT2W3R3MNL1GS	3.3	20	8x10				500	
647-ULT2W5R6MNL1GS	ULT2W5R6MNL1GS	5.6	35	10x10				500	
647-ULT2W7R5MNL1GS	ULT2W7R5MNL1GS	7.5	40	10x13.5				400	

LV SERIES - SMD, CHIP TYPE, HIGH VOLTAGE, LONG LIFE, ALUMINUM ELECTROLYTIC CAPACITORS

Specifications:

• Tolerance: 20% • Operating temperature range: -40°C to +105°C For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Ripple Current (mA)	Case Size øD x L (mm)	Price Each			Reel Qty	Price Per Piece
					1	10	100		
160 Volt									
647-ULV2C150MNL1GS	ULV2C150MNL1GS	15	50	8x10				500	
647-ULV2C330MNL1GS	ULV2C330MNL1GS	33	70	10x13.5				400	
200 Volt									
647-ULV2D120MNL1GS	ULV2D120MNL1GS	12	50	8x10				500	
647-ULV2D270MNL1GS	ULV2D270MNL1GS	27	70	10x13.5				400	
250 Volt									
647-ULV2E8R2MNL1GS	ULV2E8R2MNL1GS	8.2	35	8x10				500	
647-ULV2E150MNL1GS	ULV2E150MNL1GS	15	50	10x10				500	
647-ULV2E180MNL1GS	ULV2E180MNL1GS	18	55	10x13.5				400	
400 Volt									
647-ULV2G3R9MNL1GS	ULV2G3R9MNL1GS	3.9	35	8x10				500	

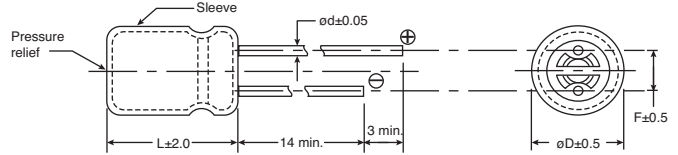
DIMENSIONS: mm			
øDxL	8x10	10x10	10x13.5
A	2.9	3.2	3.2
B	8.3	10.3	10.3
C	8.3	10.3	10.3
E	3.1	4.5	4.5
L	10	10	13.5
H	0.8 to 1.1		



This product is RoHS compliant.

DIMENSIONS: mm

DIMENSIONS: mm		
Body Dia. ϕD	Lead Dia. ϕd	Lead Space F
10	0.6	5.0
12.5	0.6	5.0
16	0.8	7.5
18	0.8	7.5



ED SERIES - TYPE A

Features:

- High ripple current (at high frequency)
- Endurance: 105°C 8000h to 10000 hours
- Including low profile products (20mm height)
- RoHS directive compliant

Specifications:

- Category temperature range: -25°C to +105°C
- Rated W.V. Range: 160VDC to 450VDC
- Capacitance range: 10 μ F to 330 μ F
- Capacitance tolerance: $\pm 20\%$ at 120Hz/20°C
- DC leakage current: $1 \leq 0.06CV + 10(\mu A)$ After 2 minutes application of rated working voltage at +20°C

Frequency (Hz)	Frequency (Hz)					
	50 $\leq f <$ 120	120 $\leq f <$ 300	300 $\leq f <$ 1 k	1 k $\leq f <$ 10 k	10 k $\leq f <$ 30 k	30 k $\leq f <$ 100 k
Cap. $< 100\mu F$	0.30	0.40	0.55	0.70	0.90	1.00
100 $\mu F \leq$ Cap.	0.35	0.45	0.60	0.75	0.90	1.00

EE SERIES - TYPE A

Features:

- High ripple current (at high frequency): 40% higher than ED Series
- Endurance: 105°C 8000h to 10000 hours
- RoHS directive compliant

Specifications:

- Category temperature range: -25°C to +105°C
- Rated W.V. Range: 160VDC to 450VDC
- Capacitance range: 10 μ F to 330 μ F
- Capacitance tolerance: $\pm 20\%$ at 120Hz/20°C
- DC leakage current: $1 \leq 0.06 CV + 10(\mu A)$ After 2 minutes
- Tan $\delta = (W.V.D.F. @ 120Hz + 20^\circ C): 160/0.15, 200/0.15, 250/0.15, 350/0.20, 400/0.24, 450/0.24$

W.V. (V. DC)	Cap. (μF)	Frequency (Hz)					
		60 \leq	120 \leq	300 \leq	1k \leq	10k \leq	100k \leq
160 to 450	10 to 82	0.25	0.35	0.50	0.65	0.90	1.00
	100 to 330	0.30	0.40	0.55	0.70	0.90	1.00

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Voltage (VDC)	Dimensions (DxL) (mm)	Price Each			
					1	25	100	500
					For quantities greater than listed, call for quote.			
667-EEU-ED2C220	EEU-ED2C220	22	160	10x20				
667-EEU-ED2C330	EEU-ED2C330	33	160	10x20				
667-EEU-ED2C470	EEU-ED2C470	47	160	10x20				
667-EEU-ED2C680	EEU-ED2C680	68	160	12.5x20				
667-EEU-ED2C820	EEU-ED2C820	82	160	12.5x25				
667-EEU-ED2C101	EEU-ED2C101	100	160	12.5x25				
667-EEU-ED2C101S	EEU-ED2C101S	100	160	16x20				
667-EEU-ED2C151	EEU-ED2C151	150	160	16x25				
667-EEU-ED2C151S	EEU-ED2C151S	150	160	18x20				
667-EEU-ED2C221	EEU-ED2C221	220	160	16x31.5				
667-EEU-ED2C221S	EEU-ED2C221S	220	160	18x25				
667-EEU-ED2C331	EEU-ED2C331	330	160	18x31.5				
667-EEU-ED2D220	EEU-ED2D220	22	200	10x20				
667-EEU-ED2D330	EEU-ED2D330	33	200	10x20				
667-EEU-ED2D470	EEU-ED2D470	47	200	12.5x20				
667-EEU-ED2D680	EEU-ED2D680	68	200	12.5x25				
667-EEU-ED2D680S	EEU-ED2D680S	68	200	16x20				
667-EEU-ED2D820S	EEU-ED2D820S	82	200	16x20				
667-EEU-ED2D101S	EEU-ED2D101S	100	200	18x20				
667-EEU-ED2D101	EEU-ED2D101	100	200	16x25				
667-EEU-ED2D151	EEU-ED2D151	150	200	16x25				
667-EEU-ED2D221	EEU-ED2D221	220	200	18x31.5				
667-EEU-ED2D331	EEU-ED2D331	330	200	18x40				
667-EEU-ED2E220	EEU-ED2E220	22	250	10x20				
667-EEU-ED2E330	EEU-ED2E330	33	250	12.5x20				
667-EEU-ED2E470	EEU-ED2E470	47	250	12.5x25				
667-EEU-ED2E470S	EEU-ED2E470S	47	250	16x20				
667-EEU-ED2E680S	EEU-ED2E680S	68	250	16x20				
667-EEU-ED2E820	EEU-ED2E820	82	250	16x25				
667-EEU-ED2E820S	EEU-ED2E820S	82	250	18x20				
667-EEU-ED2E101	EEU-ED2E101	100	250	16x31.5				
667-EEU-ED2E101S	EEU-ED2E101S	100	250	18x25				
667-EEU-ED2E151	EEU-ED2E151	150	250	18x31.5				
667-EEU-ED2E221	EEU-ED2E221	220	250	18x40				
667-EEU-ED2V100	EEU-ED2V100	10	350	10x20				
667-EEU-ED2V220	EEU-ED2V220	22	350	12.5x20				
667-EEU-ED2V330S	EEU-ED2V330S	33	350	16x20				
667-EEU-ED2V470	EEU-ED2V470	47	350	16x25				
667-EEU-ED2V470S	EEU-ED2V470S	47	350	18x20				
667-EEU-ED2V680	EEU-ED2V680	68	350	16x31.5				
667-EEU-ED2V680S	EEU-ED2V680S	68	350	18x25				
667-EEU-ED2V820S	EEU-ED2V820S	82	350	18x25				
667-EEU-ED2V101	EEU-ED2V101	100	350	18x31.5				
667-EEU-ED2G100	EEU-ED2G100	10	400	10x20				
667-EEU-ED2G150	EEU-ED2G150	15	400	12.5x20				
667-EEU-ED2G220	EEU-ED2G220	22	400	12.5x25				
667-EEU-ED2G220S	EEU-ED2G220S	22	400	16x20				
667-EEU-ED2G330S	EEU-ED2G330S	33	400	16x20				
667-EEU-ED2G470	EEU-ED2G470	47	400	16x25				
667-EEU-ED2G470S	EEU-ED2G470S	47	400	18x20				
667-EEU-ED2G680	EEU-ED2G680	68	400	18x31.5				
667-EEU-ED2G820	EEU-ED2G820	82	400	18x40				
667-EEU-ED2W100	EEU-ED2W100	10	450	12.5x20				
667-EEU-ED2W150	EEU-ED2W150	15	450	12.5x25				
667-EEU-ED2W220S	EEU-ED2W220S	22	450	16x20				
667-EEU-ED2W330	EEU-ED2W330	33	450	16x31.5				
667-EEU-ED2W330S	EEU-ED2W330S	33	450	18x25				
667-EEU-ED2W470	EEU-ED2W470	47	450	18x31.5				
667-EEU-ED2W680	EEU-ED2W680	68	450	18x40				

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Voltage (VDC)	Dimensions (DxL) (mm)	Price Each			
					1	25	100	500
667-EEU-EE2C220	EEU-EE2C220	22	160	10x20				
667-EEU-EE2C330	EEU-EE2C330	33	160	10x20				
667-EEU-EE2C470	EEU-EE2C470	47	160	10x20				
667-EEU-EE2C680	EEU-EE2C680	68	160	12.5x20				
667-EEU-EE2C820	EEU-EE2C820	82	160	12.5x25				
667-EEU-EE2C101	EEU-EE2C101	100	160	12.5x25				
667-EEU-EE2C101S	EEU-EE2C101S	100	160	16x20				
667-EEU-EE2C151	EEU-EE2C151	150	160	16x25				
667-EEU-EE2C151S	EEU-EE2C151S	150	160	18x20				
667-EEU-EE2C221	EEU-EE2C221	220	160	16x31.5				
667-EEU-EE2C221S	EEU-EE2C221S	220	160	18x25				
667-EEU-EE2C331	EEU-EE2C331	330	160	18x31.5				
667-EEU-EE2D220	EEU-EE2D220	22	200	10x20				
667-EEU-EE2D330	EEU-EE2D330	33	200	10x20				
667-EEU-EE2D680	EEU-EE2D680	68	200	12.5x25				
667-EEU-EE2D680S	EEU-EE2D680S	68	200	16x20				
667-EEU-EE2D820S	EEU-EE2D820S	82	200	16x20				
667-EEU-EE2D101	EEU-EE2D101	100	200	16x25				
667-EEU-EE2D101S	EEU-EE2D101S	100	200	18x20				
667-EEU-EE2D151	EEU-EE2D151	150	200	16x25				
667-EEU-EE2D221	EEU-EE2D221	220	200	18x31.5				
667-EEU-EE2D331	EEU-EE2D331	330	200	18x40				
667-EEU-EE2E220	EEU-EE2E220	22	250	10x20				
667-EEU-EE2E330	EEU-EE2E330	33	250	12.5x20				
667-EEU-EE2E470	EEU-EE2E470	47	250	12.5x25				
667-EEU-EE2E470S	EEU-EE2E470S	47	250	16x20				
667-EEU-EE2E680S	EEU-EE2E680S	68	250	16x20				
667-EEU-EE2E820	EEU-EE2E820	82	250	16x25				
667-EEU-EE2E820S	EEU-EE2E820S	82	250	18x20				
667-EEU-EE2E101	EEU-EE2E101	100	250	16x31.5				
667-EEU-EE2E101S	EEU-EE2E101S	100	250	18x25				
667-EEU-EE2E151	EEU-EE2E151	150	250	18x31.5				
667-EEU-EE2E221	EEU-EE2E221	220	250	18x40				
667-EEU-EE2V150	EEU-EE2V150	15	350	10x20				
667-EEU-EE2V220	EEU-EE2V220	22	350	12.5x20				
667-EEU-EE2V330	EEU-EE2V330	33	350	12.5x25				
667-EEU-EE2V330S	EEU-EE2V330S	33	350	16x20				
667-EEU-EE2V470	EEU-EE2V470	47	350	16x25				
667-EEU-EE2V470S	EEU-EE2V470S	47	350	18x20				
667-EEU-EE2V680	EEU-EE2V680	68	350	16x31.5				
667-EEU-EE2V680S	EEU-EE2V680S	68	350	18x25				
667-EEU-EE2V820S	EEU-EE2V820S	82	350	18x25				
667-EEU-EE2V101	EEU-EE2V101	100	350	18x31.5				
667-EEU-EE2G100	EEU-EE2G100	10	400	10x20				
667-EEU-EE2G150	EEU-EE2G150	15	400	12.5x20				
667-EEU-EE2G220	EEU-EE2G220	22	400	12.5x25				
667-EEU-EE2G330S	EEU-EE2G330S	33	400	16x20				
667-EEU-EE2G470	EEU-EE2G470	47	400	16x25				
667-EEU-EE2G470S	EEU-EE2G470S	47	400	18x20				
667-EEU-EE2G680	EEU-EE2G680	68	400	18x25				
667-EEU-EE2G820	EEU-EE2G820	82	400	18x31.5				
667-EEU-EE2G101	EEU-EE2G101	100	400	18x40				
667-EEU-EE2W100	EEU-EE2W100	10	450	12.5x20				
667-EEU-EE2W100U	EEU-EE2W100U	10	450	10x20				
667-EEU-EE2W150	EEU-EE2W150	15	450	12.5x25				
667-EEU-EE2W220S	EEU-EE2W220S	22	450	16x20				
667-EEU-EE2W330	EEU-EE2W330	33	450	16x25				
667-EEU-EE2W330S	EEU-EE2W330S	33	450	18x20				
667-EEU-EE2W470	EEU-EE2W470	47	450	16x31.5				
667-EEU-EE2W470S	EEU-EE2W470S	47	450	18x25				
667-EEU-EE2W560	EEU-EE2W560	56	450	18x31.5				

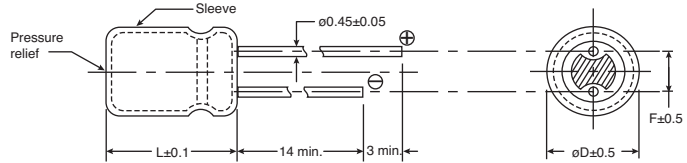
PANASONIC Radial Aluminum Electrolytics EEA-GA Panasonic



This product is RoHS compliant.

DIMENSIONS: mm

DIMENSIONS: mm	
Body Dia. ϕ D	Lead Space F
4	1.5
5	2.0
6.3	2.5
8	2.5



GA SERIES - TYPE A

Features:

- Endurance: 105°C 1000h
- RoHS directive compliant

Specifications:

- Category temperature range: -55°C to +105°C
- Rated W.V. Range: 10V.DC to 50V.DC
- Capacitance Range: 0.1 μ F to 220 μ F
- Capacitance Tolerance: $\pm 20\%$ (120Hz/+20°C)
- DC Leakage Current: $I < 0.01$ CV or 3(μ A) After 2 minutes (Whichever is greater)
- Suffix B=taped 5mm LS
- H=taped 2.5mm LS

W.V. (V.DC)	Cap. (μ F)	Frequency (Hz)				
		60	120	1k	10k	100k to
10 to 50	0.1 to 220	0.85	1.00	1.30	1.40	1.55

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μ F)	Voltage (VDC)	Dimensions (DxL) (mm)	Price Each			
					1	25	100	250
667-EEA-GA1A220	EEA-GA1A220	22	10	4x7				
667-EEA-GA1A220B	EEA-GA1A220B	22	10	4x7				
667-EEA-GA1A220H	EEA-GA1A220H	22	10	4x7				
667-EEA-GA1A330	EEA-GA1A330	33	10	5x7				
667-EEA-GA1A330B	EEA-GA1A330B	33	10	5x7				
667-EEA-GA1A330H	EEA-GA1A330H	33	10	5x7				
667-EEA-GA1A470	EEA-GA1A470	47	10	6.3x7				
667-EEA-GA1A470B	EEA-GA1A470B	47	10	6.3x7				
667-EEA-GA1A470H	EEA-GA1A470H	47	10	6.3x7				
667-EEA-GA1A680	EEA-GA1A680	68	10	6.3x7				
667-EEA-GA1A680B	EEA-GA1A680B	68	10	6.3x7				
667-EEA-GA1A680H	EEA-GA1A680H	68	10	6.3x7				
667-EEA-GA1A101	EEA-GA1A101	100	10	6.3x7				
667-EEA-GA1A101B	EEA-GA1A101B	100	10	6.3x7				
667-EEA-GA1A101H	EEA-GA1A101H	100	10	6.3x7				
667-EEA-GA1A221	EEA-GA1A221	220	10	8x7				
667-EEA-GA1A221B	EEA-GA1A221B	220	10	8x7				
667-EEA-GA1A221H	EEA-GA1A221H	220	10	8x7				
667-EEA-GA1C100	EEA-GA1C100	10	16	4x7				
667-EEA-GA1C100B	EEA-GA1C100B	10	16	4x7				
667-EEA-GA1C100H	EEA-GA1C100H	10	16	4x7				
667-EEA-GA1C150	EEA-GA1C150	15	16	4x7				
667-EEA-GA1C150B	EEA-GA1C150B	15	16	4x7				
667-EEA-GA1C150H	EEA-GA1C150H	15	16	4x7				
667-EEA-GA1C220	EEA-GA1C220	22	16	5x7				
667-EEA-GA1C220B	EEA-GA1C220B	22	16	5x7				
667-EEA-GA1C220H	EEA-GA1C220H	22	16	5x7				
667-EEA-GA1C330	EEA-GA1C330	33	16	6.3x7				
667-EEA-GA1C330B	EEA-GA1C330B	33	16	6.3x7				
667-EEA-GA1C330H	EEA-GA1C330H	33	16	6.3x7				
667-EEA-GA1C470	EEA-GA1C470	47	16	6.3x7				
667-EEA-GA1C470B	EEA-GA1C470B	47	16	6.3x7				
667-EEA-GA1C470H	EEA-GA1C470H	47	16	6.3x7				
667-EEA-GA1C101	EEA-GA1C101	100	16	8x7				
667-EEA-GA1C101B	EEA-GA1C101B	100	16	8x7				
667-EEA-GA1C101H	EEA-GA1C101H	100	16	8x7				
667-EEA-GA1E100	EEA-GA1E100	10	25	4x7				
667-EEA-GA1E100B	EEA-GA1E100B	10	25	4x7				
667-EEA-GA1E100H	EEA-GA1E100H	10	25	4x7				
667-EEA-GA1E150	EEA-GA1E150	15	25	5x7				
667-EEA-GA1E150B	EEA-GA1E150B	15	25	5x7				
667-EEA-GA1E150H	EEA-GA1E150H	15	25	5x7				
667-EEA-GA1E220	EEA-GA1E220	22	25	5x7				
667-EEA-GA1E220B	EEA-GA1E220B	22	25	5x7				
667-EEA-GA1E220H	EEA-GA1E220H	22	25	5x7				
667-EEA-GA1E330	EEA-GA1E330	33	25	6.3x7				
667-EEA-GA1E330B	EEA-GA1E330B	33	25	6.3x7				
667-EEA-GA1E330H	EEA-GA1E330H	33	25	6.3x7				
667-EEA-GA1E680	EEA-GA1E680	68	25	8x7				
667-EEA-GA1E680B	EEA-GA1E680B	68	25	8x7				
667-EEA-GA1E680H	EEA-GA1E680H	68	25	8x7				
667-EEA-GA1V6R8	EEA-GA1V6R8	6.8	35	4x7				
667-EEA-GA1V6R8B	EEA-GA1V6R8B	6.8	35	4x7				
667-EEA-GA1V6R8H	EEA-GA1V6R8H	6.8	35	4x7				
667-EEA-GA1V100	EEA-GA1V100	10	35	5x7				
667-EEA-GA1V100B	EEA-GA1V100B	10	35	5x7				
667-EEA-GA1V100H	EEA-GA1V100H	10	35	5x7				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μ F)	Voltage (VDC)	Dimensions (DxL) (mm)	Price Each			
					1	25	100	250
667-EEA-GA1V150	EEA-GA1V150	15	35	6.3x7				
667-EEA-GA1V150B	EEA-GA1V150B	15	35	6.3x7				
667-EEA-GA1V150H	EEA-GA1V150H	15	35	6.3x7				
667-EEA-GA1V220	EEA-GA1V220	22	35	6.3x7				
667-EEA-GA1V220B	EEA-GA1V220B	22	35	6.3x7				
667-EEA-GA1V220H	EEA-GA1V220H	22	35	6.3x7				
667-EEA-GA1V470	EEA-GA1V470	47	35	8x7				
667-EEA-GA1V470B	EEA-GA1V470B	47	35	8x7				
667-EEA-GA1V470H	EEA-GA1V470H	47	35	8x7				
667-EEA-GA1HR10	EEA-GA1HR10	0.1	50	4x7				
667-EEA-GA1HR10B	EEA-GA1HR10B	0.1	50	4x7				
667-EEA-GA1HR10H	EEA-GA1HR10H	0.1	50	4x7				
667-EEA-GA1HR15	EEA-GA1HR15	0.15	50	4x7				
667-EEA-GA1HR15B	EEA-GA1HR15B	0.15	50	4x7				
667-EEA-GA1HR15H	EEA-GA1HR15H	0.15	50	4x7				
667-EEA-GA1HR22	EEA-GA1HR22	0.22	50	4x7				
667-EEA-GA1HR22B	EEA-GA1HR22B	0.22	50	4x7				
667-EEA-GA1HR22H	EEA-GA1HR22H	0.22	50	4x7				
667-EEA-GA1HR33	EEA-GA1HR33	0.33	50	4x7				
667-EEA-GA1HR33B	EEA-GA1HR33B	0.33	50	4x7				
667-EEA-GA1HR33H	EEA-GA1HR33H	0.33	50	4x7				
667-EEA-GA1HR47	EEA-GA1HR47	0.47	50	4x7				
667-EEA-GA1HR47B	EEA-GA1HR47B	0.47	50	4x7				
667-EEA-GA1HR47H	EEA-GA1HR47H	0.47	50	4x7				
667-EEA-GA1HR68	EEA-GA1HR68	0.68	50	4x7				
667-EEA-GA1HR68B	EEA-GA1HR68B	0.68	50	4x7				
667-EEA-GA1HR68H	EEA-GA1HR68H	0.68	50	4x7				
667-EEA-GA1H1R0	EEA-GA1H1R0	1	50	4x7				
667-EEA-GA1H1R0B	EEA-GA1H1R0B	1	50	4x7				
667-EEA-GA1H1R0H	EEA-GA1H1R0H	1	50	4x7				
667-EEA-GA1H1R5	EEA-GA1H1R5	1.5	50	4x7				
667-EEA-GA1H1R5B	EEA-GA1H1R5B	1.5	50	4x7				
667-EEA-GA1H1R5H	EEA-GA1H1R5H	1.5	50	4x7				
667-EEA-GA1H2R2	EEA-GA1H2R2	2.2	50	4x7				
667-EEA-GA1H2R2B	EEA-GA1H2R2B	2.2	50	4x7				
667-EEA-GA1H2R2H	EEA-GA1H2R2H	2.2	50	4x7				
667-EEA-GA1H3R3	EEA-GA1H3R3	3.3	50	4x7				
667-EEA-GA1H3R3B	EEA-GA1H3R3B	3.3	50	4x7				
667-EEA-GA1H3R3H	EEA-GA1H3R3H	3.3	50	4x7				
667-EEA-GA1H4R7	EEA-GA1H4R7	4.7	50	4x7				
667-EEA-GA1H4R7B	EEA-GA1H4R7B	4.7	50	4x7				
667-EEA-GA1H4R7H	EEA-GA1H4R7H	4.7	50	4x7				
667-EEA-GA1H6R8	EEA-GA1H6R8	6.8	50	5x7				
667-EEA-GA1H6R8B	EEA-GA1H6R8B	6.8	50	5x7				
667-EEA-GA1H6R8H	EEA-GA1H6R8H	6.8	50	5x7				
667-EEA-GA1H100	EEA-GA1H100	10	50	6.3x7				
667-EEA-GA1H100B	EEA-GA1H100B	10	50	6.3x7				
667-EEA-GA1H100H	EEA-GA1H100H	10	50	6.3x7				
667-EEA-GA1H150	EEA-GA1H150	15	50	6.3x7				
667-EEA-GA1H150B	EEA-GA1H150B	15	50	6.3x7				
667-EEA-GA1H150H	EEA-GA1H150H	15	50	6.3x7				
667-EEA-GA1H220	EEA-GA1H220	22	50	8x7				
667-EEA-GA1H220B	EEA-GA1H220B	22	50	8x7				
667-EEA-GA1H220H	EEA-GA1H220H	22	50	8x7				
667-EEA-GA1H330	EEA-GA1H330	33	50	8x7				
667-EEA-GA1H330B	EEA-GA1H330B	33	50	8x7				
667-EEA-GA1H330H	EEA-GA1H330H	33	50	8x7				

PANASONIC Radial Aluminum Electrolytic EEU-FR Panasonic



This product is RoHS compliant.

FR SERIES - TYPE A

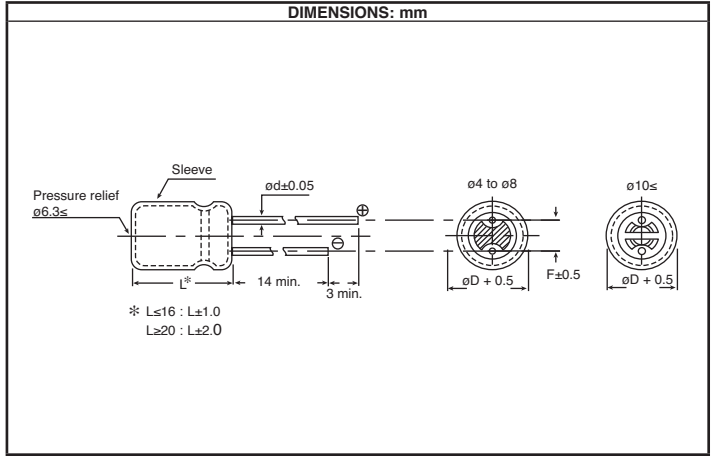
Features:

- Low ESR
- Endurance: 2000h to 10000h at +105°C

Specification:

- Category temperature range: -40°C to +105°C
- Rated W.V. range: 6.3VDC to 50VDC
- Category range: 22μF to 8200μF
- Capacitance tolerance: ±20% (120Hz+20°C)
- DC leakage current: I < 0.01CV (μA) after 2 minutes

W.V.(V. DC)	Cap (μF)	Frequency (Hz)				
		60	120	1K	10K	100K
6.3 to 50	22 to 33	0.45	0.55	0.75	0.90	1.00
	47 to 330	0.60	0.70	0.85	0.95	1.00
	390 to 1000	0.65	0.75	0.90	0.98	1.00
	1200 to 8200	0.75	0.80	0.95	1.00	1.00



Panasonic Aluminum Caps, Leaded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Voltage (VDC)	Dimensions (DxL) (mm)	Price Each		Reel Qty.	Price Per Piece
					1	100		
667-EEU-FR0J151B	EEU-FR0J151B	150	6.3	5x11			2000	
667-EEU-FR0J331B	EEU-FR0J331B	330	6.3	6.3x11.2			2000	
667-EEU-FR0J471B	EEU-FR0J471B	470	6.3	6.3x11.2			2000	
667-EEU-FR0J821B	EEU-FR0J821B	820	6.3	8x11.5			1000	
667-EEU-FR0J122LB	EEU-FR0J122LB	1200	6.3	8x15			1000	
667-EEU-FR0J122B	EEU-FR0J122B	1200	6.3	10x12.5			500	
667-EEU-FR0J152LB	EEU-FR0J152LB	1500	6.3	8x20			1000	
667-EEU-FR0J182B	EEU-FR0J182B	1800	6.3	10x16			500	
667-EEU-FR0J222B	EEU-FR0J222B	2200	6.3	10x20			500	
667-EEU-FR0J272LB	EEU-FR0J272LB	2700	6.3	10x25			500	
667-EEU-FR0J392B	EEU-FR0J392B	3900	6.3	12.5x20			500	
667-EEU-FR0J472B	EEU-FR0J472B	4700	6.3	12.5x25			500	
667-EEU-FR0J682SB	EEU-FR0J682SB	6800	6.3	16x20			250	
667-EEU-FR0J822B	EEU-FR0J822B	8200	6.3	16x25			250	
667-EEU-FR1A101B	EEU-FR1A101B	100	10	5x11			2000	
667-EEU-FR1A151B	EEU-FR1A151B	150	10	5x11			2000	
667-EEU-FR1A221B	EEU-FR1A221B	220	10	6.3x11.2			2000	
667-EEU-FR1A681B	EEU-FR1A681B	680	10	8x11.5			1000	
667-EEU-FR1A821B	EEU-FR1A821B	820	10	10x12.5			500	
667-EEU-FR1A102LB	EEU-FR1A102LB	1000	10	8x15			1000	
667-EEU-FR1A152LB	EEU-FR1A152LB	1500	10	8x20			1000	
667-EEU-FR1A152B	EEU-FR1A152B	1500	10	10x16			500	
667-EEU-FR1A182B	EEU-FR1A182B	1800	10	10x20			500	
667-EEU-FR1A222LB	EEU-FR1A222LB	2200	10	10x25			500	
667-EEU-FR1A332B	EEU-FR1A332B	3300	10	12.5x20			500	
667-EEU-FR1A392B	EEU-FR1A392B	3900	10	12.5x25			500	
667-EEU-FR1A472SB	EEU-FR1A472SB	4700	10	16x20			250	
667-EEU-FR1A682B	EEU-FR1A682B	6800	10	16x25			250	
667-EEU-FR1C680B	EEU-FR1C680B	68	16	5x11			2000	
667-EEU-FR1C101B	EEU-FR1C101B	100	16	5x11			2000	
667-EEU-FR1C121B	EEU-FR1C121B	120	16	6.3x11.2			2000	
667-EEU-FR1C221B	EEU-FR1C221B	220	16	6.3x11.2			2000	
667-EEU-FR1C471B	EEU-FR1C471B	470	16	8x11.5			1000	
667-EEU-FR1C681LB	EEU-FR1C681LB	680	16	8x15			1000	
667-EEU-FR1C681B	EEU-FR1C681B	680	16	10x12.5			500	
667-EEU-FR1C102LB	EEU-FR1C102LB	1000	16	8x20			1000	
667-EEU-FR1C102B	EEU-FR1C102B	1000	16	10x16			500	
667-EEU-FR1C152B	EEU-FR1C152B	1500	16	10x20			500	
667-EEU-FR1C152LB	EEU-FR1C152LB	1500	16	10x25			500	
667-EEU-FR1C182LB	EEU-FR1C182LB	1800	16	10x25			500	
667-EEU-FR1C222B	EEU-FR1C222B	2200	16	12.5x20			500	
667-EEU-FR1C272B	EEU-FR1C272B	2700	16	12.5x25			500	
667-EEU-FR1C332SB	EEU-FR1C332SB	3300	16	16x20			250	
667-EEU-FR1C392SB	EEU-FR1C392SB	3900	16	16x20			250	
667-EEU-FR1C472B	EEU-FR1C472B	4700	16	16x25			250	
667-EEU-FR1C562B	EEU-FR1C562B	5600	16	16x25			250	
667-EEU-FR1E470B	EEU-FR1E470B	47	25	5x11			2000	
667-EEU-FR1E680B	EEU-FR1E680B	68	25	5x11			2000	
667-EEU-FR1E101B	EEU-FR1E101B	100	25	6.3x11.2			2000	
667-EEU-FR1E151B	EEU-FR1E151B	150	25	6.3x11.2			2000	
667-EEU-FR1E331B	EEU-FR1E331B	330	25	8x11.5			1000	
667-EEU-FR1E391LB	EEU-FR1E391LB	390	25	8x15			1000	
667-EEU-FR1E471YB	EEU-FR1E471YB	470	25	8x15			1000	
667-EEU-FR1E471LB	EEU-FR1E471LB	470	25	8x20			1000	
667-EEU-FR1E471B	EEU-FR1E471B	470	25	10x12.5			500	
667-EEU-FR1E561LB	EEU-FR1E561LB	560	25	8x20			1000	
667-EEU-FR1E681LB	EEU-FR1E681LB	680	25	8x20			1000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Voltage (VDC)	Dimensions (DxL) (mm)	Price Each		Reel Qty.	Price Per Piece
					1	100		
667-EEU-FR1E681B	EEU-FR1E681B	680	25	10x16			500	
667-EEU-FR1E821B	EEU-FR1E821B	820	25	10x20			500	
667-EEU-FR1E102B	EEU-FR1E102B	1000	25	10x20			500	
667-EEU-FR1E102LB	EEU-FR1E102LB	1000	25	10x25			500	
667-EEU-FR1E122LB	EEU-FR1E122LB	1200	25	10x25			500	
667-EEU-FR1E152B	EEU-FR1E152B	1500	25	12.5x20			500	
667-EEU-FR1E182B	EEU-FR1E182B	1800	25	12.5x25			500	
667-EEU-FR1E222SB	EEU-FR1E222SB	2200	25	16x20			250	
667-EEU-FR1E272SB	EEU-FR1E272SB	2700	25	16x20			250	
667-EEU-FR1E332B	EEU-FR1E332B	3300	25	16x25			250	
667-EEU-FR1V330B	EEU-FR1V330B	33	35	5x11			2000	
667-EEU-FR1V680B	EEU-FR1V680B	68	35	6.3x11.2			2000	
667-EEU-FR1V181B	EEU-FR1V181B	180	35	8x11.5			1000	
667-EEU-FR1V271LB	EEU-FR1V271LB	270	35	8x15			1000	
667-EEU-FR1V271B	EEU-FR1V271B	270	35	10x12.5			500	
667-EEU-FR1V391LB	EEU-FR1V391LB	390	35	8x20			1000	
667-EEU-FR1V471LB	EEU-FR1V471LB	470	35	8x20			1000	
667-EEU-FR1V471B	EEU-FR1V471B	470	35	10x16			500	
667-EEU-FR1V561B	EEU-FR1V561B	560	35	10x20			500	
667-EEU-FR1V681LB	EEU-FR1V681LB	680	35	10x25			500	
667-EEU-FR1V821LB	EEU-FR1V821LB	820	35	10x25			500	
667-EEU-FR1V102B	EEU-FR1V102B	1000	35	12.5x20			500	
667-EEU-FR1V122B	EEU-FR1V122B	1200	35	12.5x25			500	
667-EEU-FR1V152SB	EEU-FR1V152SB	1500	35	16x20			250	
667-EEU-FR1V222B	EEU-FR1V222B	2200	35	16x25			250	
667-EEU-FR1H220B	EEU-FR1H220B	22	50	5x11.5			250	
667-EEU-FR1H560B	EEU-FR1H560B	56	50	6.3x11.2			2000	
667-EEU-FR1H101B	EEU-FR1H101B	100	50	8x11.5			2000	
667-EEU-FR1H121LB	EEU-FR1H121LB	120	50	8x15			1000	
667-EEU-FR1H151B	EEU-FR1H151B	150	50	10x12.5			1000	
667-EEU-FR1H181LB	EEU-FR1H181LB	180	50	8x20			500	
667-EEU-FR1H221B	EEU-FR1H221B	220	50	10x16			1000	
667-EEU-FR1H271B	EEU-FR1H271B	270	50	10x20			500	
667-EEU-FR1H331LB	EEU-FR1H331LB	330	50	10x25			500	
667-EEU-FR1H471B	EEU-FR1H471B	470	50	12.5x20			500	
667-EEU-FR1H561B	EEU-FR1H561B	560	50	12.5x25			500	
667-EEU-FR1H821SB	EEU-FR1H821SB	820	50	16x20			250	
667-EEU-FR1H102B	EEU-FR1H102B	1000	50	16x25			250	
667-EEU-FR1J180B	EEU-FR1J180B	18	63	5x11			2000	
667-EEU-FR1J470B	EEU-FR1J470B	47	63	6.3x11.2			2000	
667-EEU-FR1J820B	EEU-FR1J820B	82	63	8x11.5			1000	
667-EEU-FR1J101B	EEU-FR1J101B	100	63	10x16			1000	
667-EEU-FR1J101LB	EEU-FR1J101LB	100	63	8x20			500	
667-EEU-FR1J121B	EEU-FR1J121B	120	63	10x16			1000	
667-EEU-FR1J121LB	EEU-FR1J121LB	120	63	8x20			500	
667-EEU-FR1J151B	EEU-FR1J151B	150	63	10x16			500	
667-EEU-FR1J151LB	EEU-FR1J151LB	150	63	8x20			500	
667-EEU-FR1J181B	EEU-FR1J181B	180	63	10x20			500	
667-EEU-FR1J221LB	EEU-FR1J221LB	220	63	10x25			500	
667-EEU-FR1J271LB	EEU-FR1J271LB	270	63	10x25			500	
667-EEU-FR1J271UB	EEU-FR1J271UB	270	63	12.5x20			500	
667-EEU-FR1J271UB	EEU-FR1J271UB	270	63	10x20			500	
667-EEU-FR1J331B	EEU-FR1J331B	330	63	12.5x20			500	
667-EEU-FR1J391B	EEU-FR1J391B	390	63	12.5x25			500	
667-EEU-FR1J471B	EEU-FR1J471B	470	63	12.5x25			500	
667-EEU-FR1J561SB	EEU-FR1J561SB	560	63	16x20			250	
667-EEU-FR1J821B	EEU-FR1J821B	820	63	16x25			250	

PANASONIC Radial Aluminum Electrolytic EEU-FR Panasonic

RoHS Compliant This product is RoHS compliant.

FR SERIES - TYPE A (BULK)

Features:

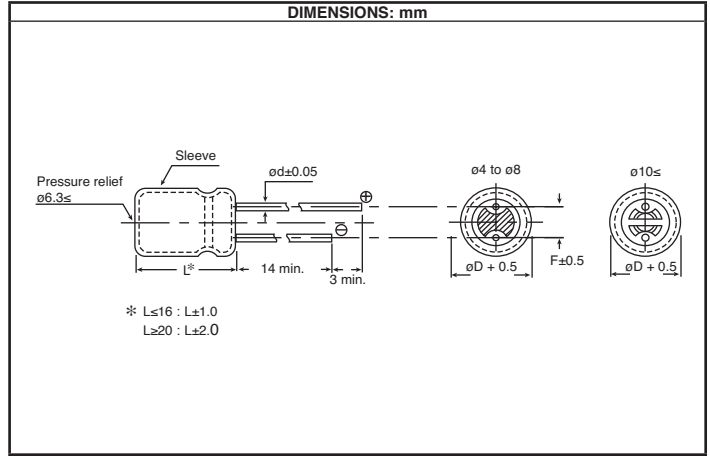
- Low ESR
- Endurance: 2000h to 10000h at +105°C

Specification:

- Category temperature range: -40°C to +105°C
- Rated W.V. range: 6.3VDC to 50VDC
- Category range: 22μF to 8200μF
- Capacitance tolerance: ±20% (120Hz/+20°C)
- DC leakage current: I < 0.01CV (μA) after 2 minutes



W.V.(V. DC)	Cap (μF)	Frequency (Hz)				
		60	120	1K	10K	100K
6.3 to 50	22 to 33	0.45	0.55	0.75	0.90	1.00
	47 to 330	0.60	0.70	0.85	0.95	1.00
	390 to 1000	0.65	0.75	0.90	0.98	1.00
	1200 to 8200	0.75	0.80	0.95	1.00	1.00



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Voltage (VDC)	Dimensions (DxL) (mm)	Price Each		
					1	100	200
667-EEU-FR0J151	EEU-FR0J151	150	6.3	5x11			
667-EEU-FR0J331	EEU-FR0J331	330	6.3	6.3x11.2			
667-EEU-FR0J471	EEU-FR0J471	470	6.3	6.3x11.2			
667-EEU-FR0J821	EEU-FR0J821	820	6.3	8x11.5			
667-EEU-FR0J122L	EEU-FR0J122L	1200	6.3	8x15			
667-EEU-FR0J122	EEU-FR0J122	1200	6.3	10x12.5			
667-EEU-FR0J152L	EEU-FR0J152L	1500	6.3	8x20			
667-EEU-FR0J182	EEU-FR0J182	1800	6.3	10x16			
667-EEU-FR0J222	EEU-FR0J222	2200	6.3	10x20			
667-EEU-FR0J272L	EEU-FR0J272L	2700	6.3	10x25			
667-EEU-FR0J392	EEU-FR0J392	3900	6.3	12.5x20			
667-EEU-FR0J472	EEU-FR0J472	4700	6.3	12.5x25			
667-EEU-FR0J562L	EEU-FR0J562L	5600	6.3	12.5x30			
667-EEU-FR0J682L	EEU-FR0J682L	6800	6.3	12.5x35			
667-EEU-FR0J682S	EEU-FR0J682S	6800	6.3	16x20			
667-EEU-FR0J822	EEU-FR0J822	8200	6.3	16x25			
667-EEU-FR1A101	EEU-FR1A101	100	10	5x11			
667-EEU-FR1A151	EEU-FR1A151	150	10	5x11			
667-EEU-FR1A221	EEU-FR1A221	220	10	6.3x11.2			
667-EEU-FR1A681	EEU-FR1A681	680	10	8x11.5			
667-EEU-FR1A821	EEU-FR1A821	820	10	10x12.5			
667-EEU-FR1A102L	EEU-FR1A102L	1000	10	8x15			
667-EEU-FR1A152L	EEU-FR1A152L	1500	10	8x20			
667-EEU-FR1A152	EEU-FR1A152	1500	10	10x16			
667-EEU-FR1A182	EEU-FR1A182	1800	10	10x20			
667-EEU-FR1A222L	EEU-FR1A222L	2200	10	10x25			
667-EEU-FR1A332	EEU-FR1A332	3300	10	12.5x20			
667-EEU-FR1A392	EEU-FR1A392	3900	10	12.5x25			
667-EEU-FR1A472L	EEU-FR1A472L	4700	10	12.5x30			
667-EEU-FR1A472S	EEU-FR1A472S	4700	10	16x20			
667-EEU-FR1A562L	EEU-FR1A562L	5600	10	12.5x35			
667-EEU-FR1A682L	EEU-FR1A682L	6800	10	12.5x35			
667-EEU-FR1A682	EEU-FR1A682	6800	10	16x25			
667-EEU-FR1C680	EEU-FR1C680	68	16	5x11			
667-EEU-FR1C101	EEU-FR1C101	100	16	5x11			
667-EEU-FR1C121	EEU-FR1C121	120	16	6.3x11.2			
667-EEU-FR1C221	EEU-FR1C221	220	16	6.3x11.2			
667-EEU-FR1C471	EEU-FR1C471	470	16	8x11.5			
667-EEU-FR1C681L	EEU-FR1C681L	680	16	8x15			
667-EEU-FR1C681	EEU-FR1C681	680	16	10x12.5			
667-EEU-FR1C102L	EEU-FR1C102L	1000	16	8x20			
667-EEU-FR1C102	EEU-FR1C102	1000	16	10x16			
667-EEU-FR1C152	EEU-FR1C152	1500	16	10x20			
667-EEU-FR1C152L	EEU-FR1C152L	1500	16	10x25			
667-EEU-FR1C182L	EEU-FR1C182L	1800	16	10x25			
667-EEU-FR1C222	EEU-FR1C222	2200	16	12.5x20			
667-EEU-FR1C272	EEU-FR1C272	2700	16	12.5x25			
667-EEU-FR1C332L	EEU-FR1C332L	3300	16	12.5x30			
667-EEU-FR1C332S	EEU-FR1C332S	3300	16	16x20			
667-EEU-FR1C392L	EEU-FR1C392L	3900	16	12.5x35			
667-EEU-FR1C392S	EEU-FR1C392S	3900	16	16x20			
667-EEU-FR1C472L	EEU-FR1C472L	4700	16	12.5x35			
667-EEU-FR1C472	EEU-FR1C472	4700	16	16x25			
667-EEU-FR1C562	EEU-FR1C562	5600	16	16x25			
667-EEU-FR1E470	EEU-FR1E470	47	25	5x11			
667-EEU-FR1E680	EEU-FR1E680	68	25	5x11			
667-EEU-FR1E101	EEU-FR1E101	100	25	6.3x11.2			
667-EEU-FR1E151	EEU-FR1E151	150	25	6.3x11.2			
667-EEU-FR1E331	EEU-FR1E331	330	25	8x11.5			
667-EEU-FR1E391L	EEU-FR1E391L	390	25	8x15			
667-EEU-FR1E471Y	EEU-FR1E471Y	470	25	8x15			
667-EEU-FR1E471L	EEU-FR1E471L	470	25	8x20			
667-EEU-FR1E471	EEU-FR1E471	470	25	10x12.5			
667-EEU-FR1E561L	EEU-FR1E561L	560	25	8x20			
667-EEU-FR1E681L	EEU-FR1E681L	680	25	8x20			
667-EEU-FR1E681	EEU-FR1E681	680	25	10x16			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Voltage (VDC)	Dimensions (DxL) (mm)	Price Each		
					1	100	200
667-EEU-FR1E821	EEU-FR1E821	820	25	10x20			
667-EEU-FR1E102	EEU-FR1E102	1000	25	10x20			
667-EEU-FR1E102L	EEU-FR1E102L	1000	25	10x25			
667-EEU-FR1E122L	EEU-FR1E122L	1200	25	10x25			
667-EEU-FR1E152	EEU-FR1E152	1500	25	12.5x20			
667-EEU-FR1E182	EEU-FR1E182	1800	25	12.5x25			
667-EEU-FR1E222L	EEU-FR1E222L	2200	25	12.5x30			
667-EEU-FR1E222S	EEU-FR1E222S	2200	25	16x20			
667-EEU-FR1E272L	EEU-FR1E272L	2700	25	12.5x35			
667-EEU-FR1E272S	EEU-FR1E272S	2700	25	16x20			
667-EEU-FR1E332	EEU-FR1E332	3300	25	16x25			
667-EEU-FR1V330	EEU-FR1V330	33	35	5x11			
667-EEU-FR1V680	EEU-FR1V680	68	35	6.3x11.2			
667-EEU-FR1V181	EEU-FR1V181	180	35	8x11.5			
667-EEU-FR1V271L	EEU-FR1V271L	270	35	8x15			
667-EEU-FR1V271	EEU-FR1V271	270	35	10x12.5			
667-EEU-FR1V391L	EEU-FR1V391L	390	35	8x20			
667-EEU-FR1V471L	EEU-FR1V471L	470	35	8x20			
667-EEU-FR1V471	EEU-FR1V471	470	35	10x16			
667-EEU-FR1V561	EEU-FR1V561	560	35	10x20			
667-EEU-FR1V681L	EEU-FR1V681L	680	35	10x25			
667-EEU-FR1V821L	EEU-FR1V821L	820	35	10x25			
667-EEU-FR1V102	EEU-FR1V102	1000	35	12.5x20			
667-EEU-FR1V122	EEU-FR1V122	1200	35	12.5x25			
667-EEU-FR1V152L	EEU-FR1V152L	1500	35	12.5x30			
667-EEU-FR1V152S	EEU-FR1V152S	1500	35	16x20			
667-EEU-FR1V182L	EEU-FR1V182L	1800	35	12.5x35			
667-EEU-FR1V222L	EEU-FR1V222L	2200	35	12.5x35			
667-EEU-FR1V222	EEU-FR1V222	2200	35	16x25			
667-EEU-FR1H220	EEU-FR1H220	22	50	5x11.5			
667-EEU-FR1H560	EEU-FR1H560	56	50	6.3x11.2			
667-EEU-FR1H101	EEU-FR1H101	100	50	8x11.5			
667-EEU-FR1H121L	EEU-FR1H121L	120	50	8x15			
667-EEU-FR1H151	EEU-FR1H151	150	50	10x12.5			
667-EEU-FR1H181L	EEU-FR1H181L	180	50	8x20			
667-EEU-FR1H221	EEU-FR1H221	220	50	10x16			
667-EEU-FR1H271	EEU-FR1H271	270	50	10x20			
667-EEU-FR1H331L	EEU-FR1H331L	330	50	10x25			
667-EEU-FR1H471	EEU-FR1H471	470	50	12.5x20			
667-EEU-FR1H561	EEU-FR1H561	560	50	12.5x25			
667-EEU-FR1H681L	EEU-FR1H681L	680	50	12.5x30			
667-EEU-FR1H821L	EEU-FR1H821L	820	50	12.5x35			
667-EEU-FR1H821S	EEU-FR1H821S	820	50	16x20			
667-EEU-FR1H102	EEU-FR1H102	1000	50	16x25			
667-EEU-FR1J180	EEU-FR1J180	18	63	5x11			
667-EEU-FR1J470	EEU-FR1J470	47	63	6.3x11.2			
667-EEU-FR1J820	EEU-FR1J820	82	63	8x11.5			
667-EEU-FR1J101L	EEU-FR1J101L	100	63	8x20			
667-EEU-FR1J101	EEU-FR1J101	100	63	10x16			
667-EEU-FR1J121L	EEU-FR1J121L	120	63	8x20			
667-EEU-FR1J121	EEU-FR1J121	120	63	10x16			
667-EEU-FR1J151L	EEU-FR1J151L	150	63	8x20			
667-EEU-FR1J151	EEU-FR1J151	150	63	10x16			
667-EEU-FR1J181	EEU-FR1J181	180	63	10x20			
667-EEU-FR1J221L	EEU-FR1J221L	220	63	10x25			
667-EEU-FR1J271U	EEU-FR1J271U	270	63	10x20			
667-EEU-FR1J271L	EEU-FR1J271L	270	63	10x25			
667-EEU-FR1J271	EEU-FR1J271	270	63	12.5x20			
667-EEU-FR1J331	EEU-FR1J331	330	63	12.5x20			
667-EEU-FR1J391	EEU-FR1J391	390	63	12.5x25			
667-EEU-FR1J471	EEU-FR1J471	470	63	12.5x25			
667-EEU-FR1J561S	EEU-FR1J561S	560	63	16x20			
667-EEU-FR1J561L	EEU-FR1J561L	560	63	12.5x30			
667-EEU-FR1J681L	EEU-FR1J681L	680	63	12.5x35			
667-EEU-FR1J821	EEU-FR1J821	820	63	16x25			

PANASONIC Radial Aluminum Electrolytics EEU-HD Panasonic



This product is RoHS compliant.

HD SERIES TYPE A

Features:

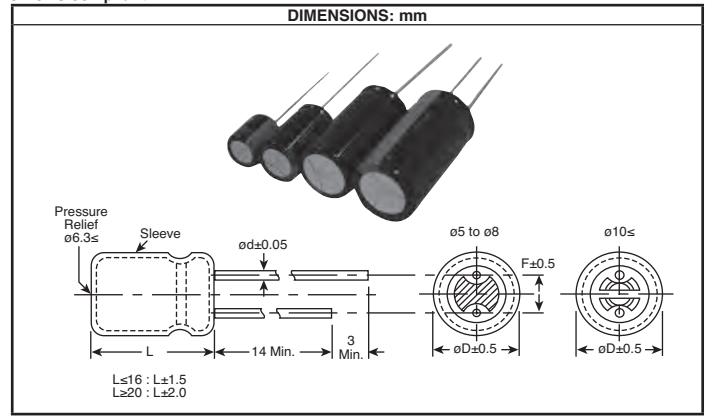
- Miniaturize, higher capacitance: 1 size miniaturized product of current A-NHG
- Available in reel or bulk

Specifications:

- Category temperature range: -55°C to +105°C
- Rated W.V. range: 10V, DC to 50VDC
- Category range: 0.1μF to 22000μF
- Tolerance: 20%

DIMENSIONS: mm							
Body Dia. øD	5	6.3	8	10	12.5	16	18
Lead Dia. ød	0.5	0.5	0.6	0.6	0.6	0.8	0.8
Lead Space F	2.0	2.5	3.5	5.0	5.0	7.5	7.5

Frequency Correction Factor for Ripple Current						
W.V.(V,DC)	Cap. (μF)	Frequency (Hz)				
		60	120	1k	10k	100k
10 to 50	0.1 to 33	0.75	1.00	1.55	1.80	2.00
	47 to 470	0.80	1.00	1.35	1.50	1.50
	1000 to 22000	0.85	1.00	1.10	1.15	1.15



Panasonic Aluminum Caps, Leaded

Ammo

MOUSER STOCK NO.		Value (μF)	Dim. (øDxL) (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.			1	50	100		
10V								
667	EEU-HD1A331B	330	6.3x11.2				2000	
667	EEU-HD1A471B	470	8x11.5				1000	
667	EEU-HD1A102B	1000	10x12.5				500	
667	EEU-HD1A222B	2200	10x16				500	
667	EEU-HD1A472B	4700	12.5x20				500	
667	EEU-HD1A682B	6800	12.5x25				500	
667	EEU-HD1A103B	10000	16x25				250	
16V								
667	EEU-HD1C101B	100	5x11				2000	
667	EEU-HD1C221B	220	6.3x11.2				2000	
667	EEU-HD1C331B	330	8x11.5				1000	
667	EEU-HD1C471B	470	8x11.5				1000	
667	EEU-HD1C332B	3300	12.5x20				500	
667	EEU-HD1C472B	4700	12.5x25				500	
667	EEU-HD1C682B	6800	16x25				250	
667	EEU-HD1C822B	8200	16x25				250	
25V								
667	EEU-HD1E470B	47	5x11				2000	
667	EEU-HD1E680B	68	5x11				2000	
667	EEU-HD1E101B	100	6.3x11.2				2000	
667	EEU-HD1E221B	220	8x11.5				1000	
667	EEU-HD1E331B	330	8x11.5				1000	
667	EEU-HD1E471B	470	10x12.5				500	
667	EEU-HD1E102B	1000	10x16				500	
667	EEU-HD1E222B	2200	12.5x20				500	
667	EEU-HD1E332B	3300	12.5x25				500	
667	EEU-HD1E472B	4700	16x25				250	
667	EEU-HD1E562B	5600	16x25				250	
35V								
667	EEU-HD1V470B	47	5x11				2000	
667	EEU-HD1V101B	100	6.3x11.2				2000	
667	EEU-HD1V221B	220	8x11.5				1000	
667	EEU-HD1V331B	330	10x12.5				500	
667	EEU-HD1V471B	470	10x16				500	
667	EEU-HD1V681B	680	10x16				500	
667	EEU-HD1V222B	2200	12.5x25				500	
667	EEU-HD1V332B	3300	16x25				250	
50V								
667	EEU-HD1HR10B	0.1	5x11				2000	
667	EEU-HD1HR22B	0.22	5x11				2000	
667	EEU-HD1HR33B	0.33	5x11				2000	
667	EEU-HD1HR47B	0.47	5x11				2000	
667	EEU-HD1H1R0B	1	5x11				2000	
667	EEU-HD1H2R2B	2.2	5x11				2000	
667	EEU-HD1H3R3B	3.3	5x11				2000	
667	EEU-HD1H4R7B	4.7	5x11				2000	
667	EEU-HD1H100B	10	5x11				2000	
667	EEU-HD1H220B	22	5x11				2000	
667	EEU-HD1H330B	33	5x11				2000	
667	EEU-HD1H470B	47	6.3x11.2				2000	
667	EEU-HD1H680B	68	6.3x11.2				2000	
667	EEU-HD1H101B	100	8x11.5				1000	
667	EEU-HD1H221B	220	10x12.5				500	
667	EEU-HD1H331B	330	10x16				500	
667	EEU-HD1H471B	470	10x20				500	
667	EEU-HD1H561SB	560	16x15				250	
667	EEU-HD1H681SB	680	16x15				250	
667	EEU-HD1H102B	100	12.5x25				500	

Bulk

MOUSER STOCK NO.		Value (μF)	Dim. (øDxL) (mm)	Price Each			
Mfr.	Mfr. Part No.			1	50	100	500
10V							
667	EEU-HD1A331	330	6.3x11.2				
667	EEU-HD1A471	470	8x11.5				
667	EEU-HD1A102	1000	10x12.5				
667	EEU-HD1A222	2200	10x16				
667	EEU-HD1A472	4700	12.5x20				
667	EEU-HD1A682	6800	12.5x25				
667	EEU-HD1A103	10000	16x25				
667	EEU-HD1A153	15000	16x31.5				
667	EEU-HD1A223	22000	18x35.5				
16V							
667	EEU-HD1C101	100	5x11				
667	EEU-HD1C221	220	6.3x11.2				
667	EEU-HD1C331	330	8x11.5				
667	EEU-HD1C471	470	8x11.5				
667	EEU-HD1C332	3300	12.5x20				
667	EEU-HD1C472	4700	12.5x25				
667	EEU-HD1C682	6800	16x25				
667	EEU-HD1C822	8200	16x25				
667	EEU-HD1C103	10000	16x31.5				
667	EEU-HD1C153	15000	18x35.5				
25V							
667	EEU-HD1E470	47	5x11				
667	EEU-HD1E680	68	5x11				
667	EEU-HD1E101	100	6.3x11.2				
667	EEU-HD1E221	220	8x11.5				
667	EEU-HD1E331	330	8x11.5				
667	EEU-HD1E471	470	10x12.5				
667	EEU-HD1E102	1000	10x16				
667	EEU-HD1E222	2200	12.5x20				
667	EEU-HD1E332	3300	12.5x25				
667	EEU-HD1E472	4700	16x25				
667	EEU-HD1E562	5600	16x25				
667	EEU-HD1E682	6800	16x25				
667	EEU-HD1E103	10000	18x35.5				
35V							
667	EEU-HD1V470	47	5x11				
667	EEU-HD1V101	100	6.3x11.2				
667	EEU-HD1V221	220	8x11.5				
667	EEU-HD1V331	330	10x12.5				
667	EEU-HD1V471	470	10x16				
667	EEU-HD1V681	680	10x16				
667	EEU-HD1V222	2200	12.5x25				
667	EEU-HD1V332	3300	16x25				
667	EEU-HD1V472	4700	16x31.5				
667	EEU-HD1V682	6800	18x35.5				
50V							
667	EEU-HD1HR10	0.1	5x11				
667	EEU-HD1HR22	0.22	5x11				
667	EEU-HD1HR33	0.33	5x11				
667	EEU-HD1HR47	0.47	5x11				
667	EEU-HD1H1R0	1	5x11				
667	EEU-HD1H2R2	2.2	5x11				
667	EEU-HD1H3R3	3.3	5x11				
667	EEU-HD1H4R7	4.7	5x11				
667	EEU-HD1H100	10	5x11				
667	EEU-HD1H220	22	5x11				
667	EEU-HD1H330	33	5x11				
667	EEU-HD1H470	47	6.3x11.2				
667	EEU-HD1H680	68	6.3x11.2				
667	EEU-HD1H101	100	8x11.5				
667	EEU-HD1H221	220	10x12.5				
667	EEU-HD1H331	330	10x16				
667	EEU-HD1H471	470	10x20				
667	EEU-HD1H561S	560	16x15				
667	EEU-HD1H681S	680	16x15				
667	EEU-HD1H102	100	12.5x25				
667	EEU-HD1H222	2200	16x31.5				
667	EEU-HD1H332	3300	18x35.5				

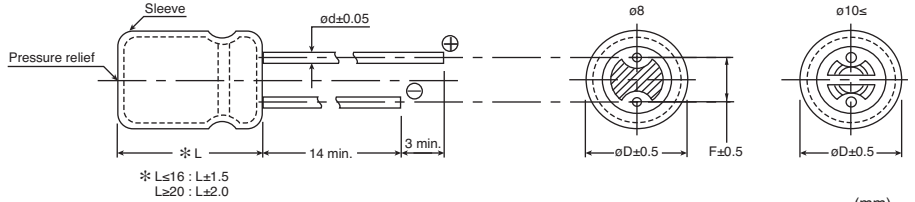
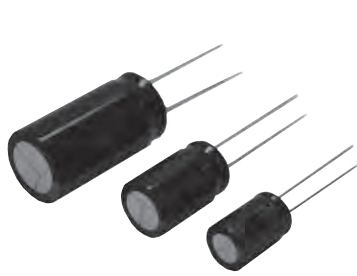
PANASONIC Radial Aluminum Electrolytics EEU-TP



This product is RoHS compliant.

TP SERIES TYPE A

DIMENSIONS: mm (not to scale)



	8	10	12.5	16	18
Body Dia. øD	8	10	12.5	16	18
Lead Dia. ød	0.6	0.6	0.6	0.8	0.8
Lead space F	3.5	5.0	5.0	7.5	7.5

Features:

- Lower ESR
- Smaller case size
- High ripple current
- Available in reel or bulk

Specifications:

- Category temp. range: -40°C to +135°C
- Rated W.V. Range: 25V.DC to 35V.DC
- Category Range: 100µF to 5100µF
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Dimensions (DxL) mm	Price Each			Reel Quantity	Price Each
Mfr.	Mfr. Part No.			1	50	100		
25V								
667	EEU-TP1E221B	220	10x12.5				500	
667	EEU-TP1E331B	330	10x16				500	
667	EEU-TP1E471B	470	10x16				500	
667	EEU-TP1E471LB	470	8x20				1000	
667	EEU-TP1E511B	510	10x16				500	
667	EEU-TP1E821B	820	10x20				500	
667	EEU-TP1E102B	1000	12.5x20				500	
667	EEU-TP1E122B	1200	12.5x20				500	
667	EEU-TP1E182B	1800	12.5x25				500	
667	EEU-TP1E182SB	1800	16x20				250	
667	EEU-TP1E202SB	2000	16x20				250	
667	EEU-TP1E222B	2200	16x25				250	
667	EEU-TP1E222SB	2200	18x20				250	
667	EEU-TP1E272B	2700	16x25				250	
667	EEU-TP1E272SB	2700	18x20				250	
667	EEU-TP1E332SB	3300	18x25				250	
667	EEU-TP1E392SB	3900	18x25				250	
35V								
667	EEU-TP1V101B	100	10x12.5				500	
667	EEU-TP1V121B	120	10x12.5				500	
667	EEU-TP1V221B	220	10x16				500	
667	EEU-TP1V221LB	220	8x20				1000	
667	EEU-TP1V271B	270	10x16				500	
667	EEU-TP1V271LB	270	8x20				1000	
667	EEU-TP1V331B	330	10x20				500	
667	EEU-TP1V391B	390	10x20				500	
667	EEU-TP1V471B	470	12.5x20				500	
667	EEU-TP1V561B	560	12.5x20				500	
667	EEU-TP1V621B	620	12.5x20				500	
667	EEU-TP1V821B	820	12.5x25				500	
667	EEU-TP1V102B	1000	16x20				250	
667	EEU-TP1V122B	1200	16x20				250	
667	EEU-TP1V152B	1500	16x25				250	
667	EEU-TP1V152SB	1500	18x20				250	
667	EEU-TP1V162B	1600	16x25				250	
667	EEU-TP1V182SB	1800	18x25				250	
667	EEU-TP1V202SB	2000	18x25				250	

BULK

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Dimensions (DxL) mm	Price Each			
Mfr.	Mfr. Part No.			1	50	100	200
25V							
667	EEU-TP1E221	220	10x12.5				
667	EEU-TP1E331	330	10x16				
667	EEU-TP1E471	470	10x16				
667	EEU-TP1E471L	470	8x20				
667	EEU-TP1E511	510	10x16				
667	EEU-TP1E821	820	10x20				
667	EEU-TP1E102	1000	12.5x20				
667	EEU-TP1E122	1200	12.5x20				
667	EEU-TP1E182	1800	12.5x25				
667	EEU-TP1E182S	1800	16x20				
667	EEU-TP1E202S	2000	16x20				
667	EEU-TP1E222	2200	16x25				
667	EEU-TP1E222S	2200	18x20				
667	EEU-TP1E272	2700	16x25				
667	EEU-TP1E272S	2700	18x20				
667	EEU-TP1E332	3300	16x31.5				
667	EEU-TP1E332S	3300	18x25				
667	EEU-TP1E392	3900	16x31.5				
667	EEU-TP1E392S	3900	18x25				
667	EEU-TP1E472	4700	18x31.5				
667	EEU-TP1E512	5100	18x31.5				
35V							
667	EEU-TP1V101	100	10x12.5				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Dimensions (DxL) mm	Price Each			
Mfr.	Mfr. Part No.			1	50	100	200
35V Cont.							
667	EEU-TP1V121	120	10x12.5				
667	EEU-TP1V221	220	10x16				
667	EEU-TP1V221L	220	8x20				
667	EEU-TP1V271	270	10x16				
667	EEU-TP1V271L	270	8x20				
667	EEU-TP1V331	330	10x20				
667	EEU-TP1V391	390	10x20				
667	EEU-TP1V471	470	12.5x20				
667	EEU-TP1V561	560	12.5x20				
667	EEU-TP1V621	620	12.5x20				
667	EEU-TP1V821	820	12.5x25				
667	EEU-TP1V102	1000	16x20				
667	EEU-TP1V122	1200	16x20				
667	EEU-TP1V152	1500	16x25				
667	EEU-TP1V152S	1500	18x20				
667	EEU-TP1V162	1600	16x25				
667	EEU-TP1V182	1800	16x31.5				
667	EEU-TP1V182S	1800	18x25				
667	EEU-TP1V202	2000	16x31.5				
667	EEU-TP1V202S	2000	18x25				
667	EEU-TP1V222	2200	18x31.5				
667	EEU-TP1V272	2700	18x31.5				

PANASONIC Radial Aluminum Electrolytics



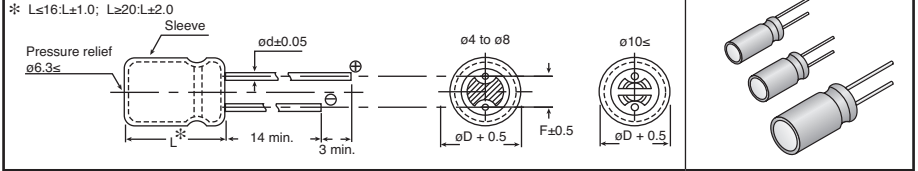
M SERIES - TYPE A

Features:

- Endurance: 85°C 2000h
- Smaller than series SU
- RoHS directive compliant

This product is RoHS compliant.

DIMENSIONS: mm



	5	6.3	8	10	12.5	16	18
Body Dia. ϕD	5	6.3	8	10	12.5	16	18
Lead Dia. ϕd	0.5	0.5	0.6	0.6	0.6	0.8	0.8
Lead space F	2.0	2.5	3.5	5.0	5.0	7.5	7.5

Category Temp. Range	-40°C to +85°C	-25°C to +85°C
Rated W.V. Range	6.3Vdc to 100Vdc	160Vdc to 450Vdc
Nominal Cap. Range	0.1 μ F to 22000 μ F	160Vdc to 450Vdc
Capacitance Tolerance	$\pm 20\%$ (120Hz/+20°C)	
DC Leakage Current	$1 \leq 0.01CV$ or 3 (μ A) After 2 minutes (whichever is greater)	$1 \leq 0.06CV + 10$ (μ A) After 2 minutes

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μ F)	Voltage	Dimensions (DxL) (mm)	Price Each				MOUSER STOCK NO.	Panasonic Part No.	Value (μ F)	Voltage	Dimensions (DxL) (mm)	Price Each			
					1	25	100	500						1	25	100	500
667-ECA-0JM221	ECA-0JM221	220	6.3	5x11					667-ECA-1JM471	ECA-1JM471	470	63	12.5x20				
667-ECA-0JM471	ECA-0JM471	470	6.3	6.3x11.2					667-ECA-1JM102	ECA-1JM102	1,000	63	16x25				
667-ECA-0JM102	ECA-0JM102	1,000	6.3	8x11.5					667-ECA-1JM222	ECA-1JM222	2,200	63	18x35.5				
667-ECA-0JM222	ECA-0JM222	2,200	6.3	10x16					667-ECA-2AMR47	ECA-2AMR47	0.47	100	5x11				
667-ECA-0JM332	ECA-0JM332	3,300	6.3	10x20					667-ECA-2AM010	ECA-2AM010	1.0	100	5x11				
667-ECA-0JM472	ECA-0JM472	4,700	6.3	12.5x20					667-ECA-2AM2R2	ECA-2AM2R2	2.2	100	5x11				
667-ECA-0JM682	ECA-0JM682	6,800	6.3	12.5x25					667-ECA-2AM3R3	ECA-2AM3R3	3.3	100	5x11				
667-ECA-0JM103	ECA-0JM103	10,000	6.3	16x25					667-ECA-2AM4R7	ECA-2AM4R7	4.7	100	5x11				
667-ECA-0JM153	ECA-0JM153	15,000	6.3	16x31.5					667-ECA-2AM100	ECA-2AM100	10	100	5x11				
667-ECA-0JM223	ECA-0JM223	22,000	6.3	18x35.5					667-ECA-2AM220	ECA-2AM220	22	100	6.3x11.2				
667-ECA-1AM331	ECA-1AM331	330	10	6.3x11.2					667-ECA-2AM330	ECA-2AM330	33	100	8x11.5				
667-ECA-1AM102	ECA-1AM102	1,000	10	10x12.5					667-ECA-2AM470	ECA-2AM470	47	100	8x11.5				
667-ECA-1AM222	ECA-1AM222	2,200	10	10x20					667-ECA-2AM101	ECA-2AM101	100	100	10x16				
667-ECA-1AM332	ECA-1AM332	3,300	10	12.5x20					667-ECA-2AM221	ECA-2AM221	220	100	12.5x20				
667-ECA-1AM472	ECA-1AM472	4,700	10	12.5x25					667-ECA-2AM331	ECA-2AM331	330	100	12.5x25				
667-ECA-1AM682	ECA-1AM682	6,800	10	16x25					667-ECA-2AM471	ECA-2AM471	470	100	16x25				
667-ECA-1AM103	ECA-1AM103	10,000	10	16x31.5					667-ECA-2AM102	ECA-2AM102	1,000	100	18x35.5				
667-ECA-1AM153	ECA-1AM153	15,000	10	18x35.5					667-ECA-2CM010	ECA-2CM010	1	160	6.3x11.2				
667-ECA-1CM100	ECA-1CM100	10	16	5x11					667-ECA-2CM2R2	ECA-2CM2R2	2.2	160	6.3x11.2				
667-ECA-1CM220	ECA-1CM220	22	16	5x11					667-ECA-2CM3R3	ECA-2CM3R3	3.3	160	6.3x11.2				
667-ECA-1CM330	ECA-1CM330	33	16	5x11					667-ECA-2CM4R7	ECA-2CM4R7	4.7	160	6.3x11.2				
667-ECA-1CM470	ECA-1CM470	47	16	5x11					667-ECA-2CM100	ECA-2CM100	10	160	10x12.5				
667-ECA-1CM101	ECA-1CM101	100	16	5x11					667-ECA-2CM220	ECA-2CM220	22	160	10x16				
667-ECA-1CM221	ECA-1CM221	220	16	6.3x11.2					667-ECA-2CM330	ECA-2CM330	33	160	10x20				
667-ECA-1CM471	ECA-1CM471	470	16	8x11.5					667-ECA-2CM470	ECA-2CM470	47	160	12.5x20				
667-ECA-1CM102	ECA-1CM102	1,000	16	10x16					667-ECA-2CM101	ECA-2CM101	100	160	12.5x25				
667-ECA-1CM222	ECA-1CM222	2,200	16	12.5x20					667-ECA-2CM221	ECA-2CM221	220	160	16x31.5				
667-ECA-1CM332	ECA-1CM332	3,300	16	12.5x25					667-ECA-2CM331	ECA-2CM331	330	160	18x31.5				
667-ECA-1CM472	ECA-1CM472	4,700	16	16x25					667-ECA-2CM471	ECA-2CM471	470	160	18x40				
667-ECA-1CM682	ECA-1CM682	6,800	16	16x31.5					667-ECA-2DM010	ECA-2DM010	1.0	200	6.3x11.2				
667-ECA-1CM103	ECA-1CM103	10,000	16	18x35.5					667-ECA-2DM2R2	ECA-2DM2R2	2.2	200	6.3x11.2				
667-ECA-1EM101	ECA-1EM101	100	25	6.3x11.2					667-ECA-2DM3R3	ECA-2DM3R3	3.3	200	6.3x11.2				
667-ECA-1EM331	ECA-1EM331	330	25	8x11.5					667-ECA-2DM4R7	ECA-2DM4R7	4.7	200	8x11.5				
667-ECA-1EM471	ECA-1EM471	470	25	10x12.5					667-ECA-2DM100	ECA-2DM100	10	200	10x12.5				
667-ECA-1EM102	ECA-1EM102	1,000	25	10x20					667-ECA-2DM220	ECA-2DM220	22	200	10x20				
667-ECA-1EM222	ECA-1EM222	2,200	25	12.5x25					667-ECA-2DM330	ECA-2DM330	33	200	10x20				
667-ECA-1EM332	ECA-1EM332	3,300	25	16x25					667-ECA-2DM470	ECA-2DM470	47	200	12.5x20				
667-ECA-1EM472	ECA-1EM472	4,700	25	16x31.5					667-ECA-2DM101	ECA-2DM101	100	200	16x25				
667-ECA-1EM682	ECA-1EM682	6,800	25	18x35.5					667-ECA-2DM221	ECA-2DM221	220	200	18x31.5				
667-ECA-1VM470	ECA-1VM470	47	35	5x11					667-ECA-2DM331	ECA-2DM331	330	200	18x40				
667-ECA-1VM101	ECA-1VM101	100	35	6.3x11.2					667-ECA-2EM010	ECA-2EM010	1	250	6.3x11.2				
667-ECA-1VM221	ECA-1VM221	220	35	8x11.5					667-ECA-2EM2R2	ECA-2EM2R2	2.2	250	6.3x11.2				
667-ECA-1VM331	ECA-1VM331	330	35	10x12.5					667-ECA-2EM3R3	ECA-2EM3R3	3.3	250	8x11.5				
667-ECA-1VM471	ECA-1VM471	470	35	10x16					667-ECA-2EM4R7	ECA-2EM4R7	4.7	250	8x11.5				
667-ECA-1VM102	ECA-1VM102	1,000	35	12.5x20					667-ECA-2EM100	ECA-2EM100	10	250	10x16				
667-ECA-1VM222	ECA-1VM222	2,200	35	16x25					667-ECA-2EM220	ECA-2EM220	22	250	10x20				
667-ECA-1VM332	ECA-1VM332	3,300	35	16x31.5					667-ECA-2EM330	ECA-2EM330	33	250	12.5x20				
667-ECA-1VM472	ECA-1VM472	4,700	35	18x35.5					667-ECA-2EM470	ECA-2EM470	47	250	12.5x25				
667-ECA-1HM0R1	ECA-1HM0R1	0.1	50	5x11					667-ECA-2EM101	ECA-2EM101	100	250	16x31.5				
667-ECA-1HMR22	ECA-1HMR22	0.22	50	5x11					667-ECA-2EM221	ECA-2EM221	220	250	18x40				
667-ECA-1HMR33	ECA-1HMR33	0.33	50	5x11					667-ECA-2VM010	ECA-2VM010	1.0	350	6.3x11.2				
667-ECA-1HMR47	ECA-1HMR47	0.47	50	5x11					667-ECA-2VM2R2	ECA-2VM2R2	2.2	350	8x11.5				
667-ECA-1HM010	ECA-1HM010	1.0	50	5x11					667-ECA-2VM3R3	ECA-2VM3R3	3.3	350	8x11.5				
667-ECA-1HM2R2	ECA-1HM2R2	2.2	50	5x11					667-ECA-2VM4R7	ECA-2VM4R7	4.7	350	10x12.5				
667-ECA-1HM3R3	ECA-1HM3R3	3.3	50	5x11					667-ECA-2VM100	ECA-2VM100	10	350	10x20				
667-ECA-1HM4R7	ECA-1HM4R7	4.7	50	5x11					667-ECA-2VM220	ECA-2VM220	22	350	12.5x20				
667-ECA-1HM100	ECA-1HM100	10	50	5x11					667-ECA-2VM330	ECA-2VM330	33	350	16x25				
667-ECA-1HM220	ECA-1HM220	22	50	5x11					667-ECA-2VM470	ECA-2VM470	47	350	16x25				
667-ECA-1HM330	ECA-1HM330	33	50	5x11					667-ECA-2VM101	ECA-2VM101	100	350	18x31.5				
667-ECA-1HM470	ECA-1HM470	47	50	6.3x11.2					667-ECA-2GM010	ECA-2GM010	1.0	400	6.3x11.2				
667-ECA-1HM101	ECA-1HM101	100	50	8x11.5					667-ECA-2GM2R2	ECA-2GM2R2	2.2	400	8x11.5				
667-ECA-1HM221	ECA-1HM221	220	50	10x12.5					667-ECA-2GM3R3	ECA-2GM3R3	3.3	400	10x12.5				
667-ECA-1HM331	ECA-1HM331	330	50	10x16					667-ECA-2GM4R7	ECA-2GM4R7	4.7	400	10x16				
667-ECA-1HM471	ECA-1HM471	470	50	10x20					667-ECA-2GM100	ECA-2GM100	10	400	10x20				
667-ECA-1HM102	ECA-1HM102	1,000	50	12.5x25					667-ECA-2GM220	ECA-2GM220	22	400	12.5x25				
667-ECA-1HM222	ECA-1HM222	2,200	50	16x31.5					667-ECA-2GM330	ECA-2GM330	33	400	16x25				
667-ECA-1HM332	ECA-1HM332	3,300	50	18x35.5					667-ECA-2GM470	ECA-2GM470	47	400	16x31.5				
667-ECA-1JM100	ECA-1JM100	10	63	5x11					667-ECA-2GM101	ECA-2GM101	100	400	18x40				
667-ECA-1JM220	ECA-1JM220	22	63	5x11					667-ECA-2WM010	ECA-2WM010	1	450	8x11.5				
667-ECA-1JM330	ECA-1JM330	33	63	6.3x11.2					667-ECA-2WM2R2	ECA-2WM2R2	2.2	450	10x12.5				
667-ECA-1JM470	ECA-1JM470	47	63	6.3x11.2					667-ECA-2WM3R3	ECA-2WM3R3	3.3	450	10x16				
667-ECA-1JM101	ECA-1JM101	100	63	8x11.5					667-ECA-2WM4R7	ECA-2WM4R7	4.7	450	10x20				
667-ECA-1JM221	ECA-1JM221	220	63	10x16					667-ECA-2WM100	ECA-2WM100	10	450	12.5x20				
667-ECA-1JM331	ECA-1JM																

UNITED CHEMI-CON Aluminum Electrolytic Capacitors



This product is RoHS compliant.

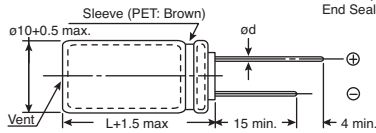
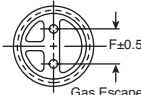
GPA SERIES MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

For quantities greater than listed, call for quote.

Features:

- Downsized, low impedance and high-ripple current version of GXE series
- For automobile modules and other high temperature applications
- Endurance with ripple current: 3,000 to 5,000 hours at 125°C
- Solvent resistant type

DIMENSIONS: mm			
øD	12.5	14.5	16
ød	0.6		0.8
F	5.0		7.5



MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Ripple Current (mA)	Case Size øDxL (mm)	Lead Spacing (mm)	Price Each			
						1	25	50	100
25 Volt									
661-EGPA250ELL222MU2	EGPA250ELL122MK20S	1200	1820	12.5x20	5				
661-EGPA250ELL272MK3	EGPA250ELL152MU20S	1500	2100	14.5x20	7.5				
661-EGPA250ELL332MK4	EGPA250ELL182MK25S	1800	2280	12.5x25	5				
661-EGPA250ELL392ML3	EGPA250ELL222MU25S	2200	2620	14.5x25	7.5				
661-EGPA250ELL472MU4	EGPA250ELL272MK35S	2700	2970	12.5x35	5				
661-EGPA250ELL562ML4	EGPA250ELL332MK40S	3300	3340	12.5x40	5				
661-EGPA250ELL682MM4	EGPA250ELL392ML35S	3900	3590	16x35	7.5				
661-EGPA350ELL102MK2	EGPA250ELL472MU40S	4700	3730	14.5x40	7.5				
661-EGPA500ELL561MU2	EGPA250ELL562ML40S	5600	3970	16x40	7.5				
661-EGPA350ELL122MK3	EGPA250ELL682MM40S	6800	4230	18x40	7.5				
35 Volt									
661-EGPA350ELL681MK2	EGPA350ELL681MK20S	680	1820	12.5x20	5				
661-EGPA350ELL152MK3	EGPA350ELL102MK25S	1000	2280	12.5x25	5				
661-EGPA350ELL182MK4	EGPA350ELL122MK30S	1200	2560	12.5x30	5				
661-EGPA350ELL222MU3	EGPA350ELL152MK35S	1500	2970	12.5x35	5				
661-EGPA350ELL272MU4	EGPA350ELL182MK40S	1800	3340	12.5x40	5				
661-EGPA500ELL681MK2	EGPA350ELL222MU35S	2200	3380	14.5x35	7.5				
661-EGPA350ELL332ML4	EGPA350ELL272MU40S	2700	3730	14.5x40	7.5				
661-EGPA350ELL472MM4	EGPA350ELL332ML40S	3300	3970	16x40	7.5				
661-EGPA250ELL122MK2	EGPA350ELL472MM40S	4700	4230	18x40	7.5				
50 Volt									
661-EGPA500ELL182MU4	EGPA500ELL471MK20S	470	1500	12.5x20	5				
661-EGPA500ELL222ML4	EGPA500ELL561MU20S	560	1740	14.5x20	7.5				
661-EGPA500ELL272MM4	EGPA500ELL681MK25S	680	1900	12.5x25	5				
661-EGPA500ELL471MK2	EGPA500ELL821MK30S	820	2150	12.5x30	5				
661-EGPA500ELL821MK3	EGPA500ELL102MK35S	1000	2510	12.5x35	5				
661-EGPA500ELL102MK3	EGPA500ELL122MK40S	1200	2870	12.5x40	5				
661-EGPA250ELL152MU2	EGPA500ELL152ML35S	1500	3300	16x35	7.5				
661-EGPA500ELL122MK4	EGPA500ELL182MU40S	1800	3230	14.5x40	7.5				
661-EGPA500ELL152ML3	EGPA500ELL222ML40S	2200	3720	16x40	7.5				
661-EGPA250ELL182MK2	EGPA500ELL272MM40S	2700	3940	18x40	7.5				

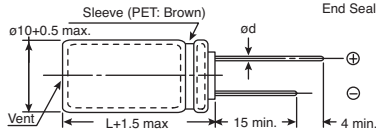
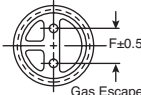
GXE SERIES MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

For quantities greater than listed, call for quote.

Features:

- Downsized, low impedance and better low temperature characteristics
- For automobile modules and other high temperature applications
- Endurance with ripple current: 2,000 to 5,000 hours at 125°C
- Solvent resistant type

DIMENSIONS: mm			
øD	8	10	12.5
ød		0.6	0.8
F	3.5	5.0	7.5



MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Ripple Current (mA)	Case Size øDxL (mm)	Lead Spacing (mm)	Price Each			
						1	25	50	100
10 Volt									
661-EGXE100ELL221M	EGXE100ELL221MH12D	220	340	8x12	0.6				
661-EGXE100ELL102M	EGXE100ELL102MJ20S	1000	950	10x20	0.6				
16 Volt									
661-EGXE160ELL331M	EGXE160ELL331MJC5S	330	620	10x12.5	0.6				
661-EGXE160ELL222M	EGXE160ELL222ML25S	2200	1620	16x25	0.8				
25 Volt									
661-EGXE250ELL221M	EGXE250ELL221MJC5S	220	620	10x12.5	0.6				
661-EGXE250ELL471M	EGXE250ELL471MJ20S	470	950	10x20	0.6				
35 Volt									
661-EGXE350ELL101M	EGXE350ELL101MJC5S	100	620	10x12.5	0.6				
661-EGXE350ELL221M	EGXE350ELL221MJ16S	220	790	10x16	0.6				
63 Volt									
661-EGXE630ELL471M	EGXE630ELL471MK30S	470	1460	12.5x30	0.6				
80 Volt									
661-EGXE800ELL330M	EGXE800ELL330MJC5S	33	480	10x12.5	0.6				
100 Volt									
661-EGXE101ELL331M	EGXE101ELL331MLN3S	330	1790	16x31.5	0.8				
250 Volt									
661-EGXE251ELL330M	EGXE251ELL330MK25S	33	171	12.5x25	0.6				
400 Volt									
661-EGXE401ELL220M	EGXE401ELL220MK30S	22	142	12.5x30	0.6				
661-EGXE401ELL470M	EGXE401ELL470MLN3S	47	243	16x31.5	0.8				
450 Volt									
661-EGXE451ELL220M	EGXE451ELL220ML25S	22	154	16x25	0.8				

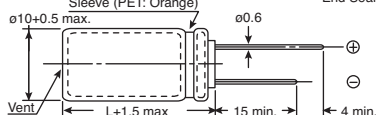
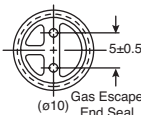
GXL SERIES MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

For quantities greater than listed, call for quote.

Features:

- Long-Life version of GXE series
- For automobile modules and other high temperature applications
- Endurance with ripple current: 5,000 hours at 125°C
- Solvent resistant type

DIMENSIONS: mm			
øD	10	12.5	16
ød		0.6	0.8
F	5.0	7.5	10.0



MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Ripple Current (mA)	Case Size øDxL (mm)	Lead Spacing (mm)	Price Each			
						1	25	50	100
10 Volt									
661-EGXL100ELL471MJ	EGXL100ELL471MJC5S	470	800	10x12.5	5				
661-EGXL100ETD102MJ	EGXL100ETD102MJ20S	1000	1300	10x20	5				
16 Volt									
661-EGXL160ELL331MJ	EGXL160ELL331MJC5S	330	800	10x12.5	5				
661-EGXL160ETD221MJ	EGXL160ETD221MJC5S	220	800	10x12.5	5				
661-EGXL160ETD471MJ	EGXL160ETD471MJ16S	470	1050	10x16	5				
25 Volt									
661-EGXL250ELL271MJ	EGXL250ELL271MJC5S	270	-	10x12.5	5				
661-EGXL250ETD221MJ	EGXL250ETD221MJC5S	220	800	10x12.5	5				
661-EGXL250ETD331MJ	EGXL250ETD331MJ16S	330	1050	10x16	5				
661-EGXL250ETD471MJ	EGXL250ETD471MJ20S	470	1300	10x20	5				
35 Volt									
661-EGXL350ETD101MJ	EGXL350ETD101MJC5S	100	800	10x12.5	5				
661-EGXL350ETD221MJ	EGXL350ETD221MJ16S	220	1050	10x16	5				
661-EGXL350ETD331MJ	EGXL350ETD331MJ20S	330	1300	10x20	5				
50 Volt									
661-EGXL500ETD101MJ	EGXL500ETD101MJC5S	100	590	10x12.5	5				
661-EGXL500ETD221MJ	EGXL500ETD221MJ20S	220	970	10x20	5				

UNITED CHEMI-CON Aluminum Electrolytic Capacitors



This product is RoHS compliant.

KXJ 105° MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

- Downsized and longer life from current KXG series
- Rated voltage range: 160 to 450V, capacitance range, 6.8 to 680µF
- Endurance with ripple current: 10,000 to 12,000 hours at 105°C
- Non-solvent resistance type

DIMENSIONS: mm					
øD	10	12.5	14.5	16	18
ød	0.6		0.8		
F	5.0		5.0		7.5

For quantities greater than listed, call for quote.

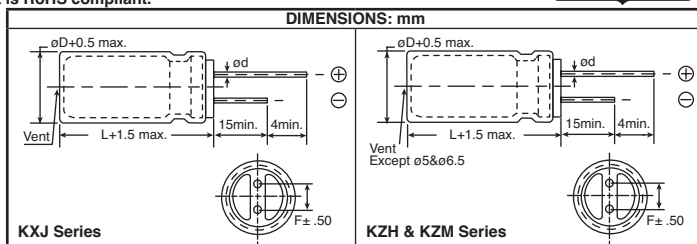
MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Size DxL(mm)	Price Each		
				1	25	50
150 Volt						
661-EKXJ251ELL15140S	EKXJ251ELL151MK40S	150	12.5x40			
160 Volt						
661-EKXJ161ELL560MJ2	EKXJ161ELL560MJ25S	56	10x20			
661-EKXJ161ELL820MJ2	EKXJ161ELL820MJ25S	82	10x25			
661-EKXJ161ELL101MK2	EKXJ161ELL101MK20S	100	12.5x20			
661-EKXJ161ELL121MJ3	EKXJ161ELL121MJ35S	120	10x35			
661-EKXJ161ELL15140S	EKXJ161ELL151MJ40S	150	10x40			
661-EKXJ161ELL181MJ5	EKXJ161ELL181MJ50S	180	10x50			
661-EKXJ161ELL221MK3	EKXJ161ELL221MK35S	220	12.5x35			
661-EKXJ161ELL27140S	EKXJ161ELL271MK40S	270	12.5x40			
661-EKXJ161ELL331MK5	EKXJ161ELL331MK50S	330	12.5x50			
661-EKXJ161ELL391MU4	EKXJ161ELL391MU45S	390	14.5x45			
661-EKXJ161ELL471MU5	EKXJ161ELL471MU50S	470	14.5x50			
661-EKXJ161ELL561ML5	EKXJ161ELL561ML50S	560	16x50			
661-EKXJ161ELL681MM4	EKXJ161ELL681MM45S	680	18x45			
200 Volt						
661-EKXJ201ELL270MJ1	EKXJ201ELL270MJ16S	27	10x16			
661-EKXJ201ELL470MJ2	EKXJ201ELL470MJ20S	47	10x20			
661-EKXJ201ELL680MJ3	EKXJ201ELL680MJ30S	68	10x30			
661-EKXJ201ELL561MM5	EKXJ201ELL561MM50S	560	18x50			
220 Volt						
661-EKXJ221ELL390MJ2	EKXJ221ELL390MJ20S	39	10x20			
661-EKXJ401ELL221MM5	EKXJ401ELL221MM50S	220	18x50			
661-EKXJ221ELL391ML5	EKXJ221ELL391ML50S	390	16x50			
661-EKXJ221ELL471MM5	EKXJ221ELL471MM50S	470	18x50			
250 Volt						
661-EKXJ251ELL220MJ1	EKXJ251ELL220MJ16S	22	10x16			
661-EKXJ251ELL330MJ2	EKXJ251ELL330MJ20S	33	10x20			
661-EKXJ251ELL560MK2	EKXJ251ELL560MK20S	56	12.5x20			
661-EKXJ251ELL82040S	EKXJ251ELL820MJ40S	82	10x40			
661-EKXJ251ELL101MJ5	EKXJ251ELL101MJ50S	100	10x50			
661-EKXJ251ELL121MK3	EKXJ251ELL121MK35S	120	12.5x35			
661-EKXJ251ELL181MK5	EKXJ251ELL181MK50S	180	12.5x50			
661-EKXJ251ELL221MU4	EKXJ251ELL221MU45S	220	14.5x45			
661-EKXJ251ELL331ML5	EKXJ251ELL331ML50S	330	16x50			
270 Volt						
661-EKXJ251ELL27140S	EKXJ251ELL271ML40S	270	16x40			
350 Volt						
661-EKXJ351ELL120MJ1	EKXJ351ELL120MJ16S	12	10x16			
661-EKXJ351ELL220MJ2	EKXJ351ELL220MJ20S	22	10x20			
661-EKXJ351ELL270MJ2	EKXJ351ELL270MJ25S	27	10x25			
661-EKXJ351ELL330MK2	EKXJ351ELL330MK20S	33	12.5x20			
661-EKXJ351ELL390MJ3	EKXJ351ELL390MJ35S	39	10x35			
661-EKXJ351ELL470MJ4	EKXJ351ELL470MJ40S	47	10x40			
661-EKXJ351ELL560ML2	EKXJ351ELL560ML20S	56	16x20			
661-EKXJ351ELL680MJ5	EKXJ351ELL680MJ50S	68	10x50			
661-EKXJ351ELL820ML2	EKXJ351ELL820ML25S	82	16x25			
661-EKXJ351ELL101MK	EKXJ351ELL101MK45S	100	12.5x45			
661-EKXJ351ELL121MLP	EKXJ351ELL121MLP1S	120	16x35.5			
661-EKXJ351ELL151MU5	EKXJ351ELL151MU50S	150	14.5x50			
661-EKXJ351ELL181ML5	EKXJ351ELL181ML50S	180	16x50			
400 Volt						
661-EKXJ401ELL100MJ1	EKXJ401ELL100MJ16S	10	10x16			
450 Volt						
661-EKXJ451ELL5R6MJ1	EKXJ451ELL5R6MJ16S	5.6	10x16			
661-EKXJ451ELL6R8MJ1	EKXJ451ELL6R8MJ16S	6.8	10x16			
661-EKXJ451ELL120MJ2	EKXJ451ELL120MJ20S	12	10x20			
661-EKXJ451ELL150MJ2	EKXJ451ELL150MJ25S	15	10x25			
661-EKXJ451ELL180MJ3	EKXJ451ELL180MJ30S	18	10x30			
661-EKXJ451ELL220MJ3	EKXJ451ELL220MJ35S	22	10x35			
661-EKXJ451ELL27040S	EKXJ451ELL270MJ40S	27	10x40			
661-EKXJ451ELL330MK3	EKXJ451ELL330MK30S	33	12.5x30			
661-EKXJ451ELL390MJ5	EKXJ451ELL390MJ50S	39	10x50			
661-EKXJ451ELL470MK4	EKXJ451ELL470MK40S	47	12.5x40			
661-EKXJ451ELL560MK4	EKXJ451ELL560MK45S	56	12.5x45			
661-EKXJ451ELL680MK5	EKXJ451ELL680MK50S	68	12.5x50			
661-EKXJ451ELL820MU5	EKXJ451ELL820MU50S	82	14.5x50			
661-EKXJ451ELL101ML5	EKXJ451ELL101ML50S	100	16x50			
661-EKXJ451ELL12140S	EKXJ451ELL121MM40S	120	18x40			
661-EKXJ451ELL151MM5	EKXJ451ELL151MM50S	150	18x50			

KZH SERIES

- Ultra low impedance for personal computers storage equipment
- Endurance with ripple current: 5,000 to 6,000 hours at 105°C
- Non-solvent resistance type

DIMENSIONS: mm						
øD	5	6.3	8	10	12.5	16
ød	0.5		0.6		0.8	
F	2.0	2.5	3.5	5.0	7.5	

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Size DxL(mm)	Price Each		
				1	25	50
6.3 Volt						
661-EKZH6R3E221ME11D	EKZH6R3E221ME11D	220	5x11			
661-EKZH6R3E471MF11D	EKZH6R3E471MF11D	470	6.3x11			
661-EKZH6R3E821MHB5D	EKZH6R3E821MHB5D	820	8x11.5			
661-EKZH6R3E122MH15D	EKZH6R3E122MH15D	1200	8x15			
661-EKZH6R3E272MJ25S	EKZH6R3E272MJ25S	2700	10x25			
661-EKZH6R3E392MK20S	EKZH6R3E392MK20S	3900	12.5x20			
661-EKZH6R3E822ML25S	EKZH6R3E822ML25S	8200	16x25			
10 Volt						
661-EKZH100E331MF11D	EKZH100E331MF11D	330	6.3x11			
661-EKZH100E152MH20D	EKZH100E152MH20D	1500	8x20			
661-EKZH100E182MJ20S	EKZH100E182MJ20S	1800	10x20			
661-EKZH100E222MJ25S	EKZH100E222MJ25S	2200	10x25			
661-EKZH100E332MK20S	EKZH100E332MK20S	3300	12.5x20			
661-EKZH100E472MK30S	EKZH100E472MK30S	4700	12.5x30			
661-EKZH100E562MK35S	EKZH100E562MK35S	5600	12.5x35			
661-EKZH100E682ML25S	EKZH100E682ML25S	6800	16x25			
16 Volt						
661-EKZH160E392MK35S	EKZH160E392MK35S	3920	12.5x35			
661-EKZH160E472ML25S	EKZH160E472ML25S	4700	16x25			
661-EKZH160E681MH15D	EKZH160E681MH15D	680	8x15			
661-EKZH160E102MH20D	EKZH160E102MH20D	1000	8x20			
661-EKZH160E152MJ20S	EKZH160E152MJ20S	1500	10x20			
25 Volt						
661-EKZH250E680ME11D	EKZH250E680ME11D	68	5x11			
661-EKZH250E151MF11D	EKZH250E151MF11D	150	6.3x11			
661-EKZH250E821MJ20S	EKZH250E821MJ20S	820	10x20			
661-EKZH250E222MK30S	EKZH250E222MK30S	2200	12.5x30			
661-EKZH250E272MK35S	EKZH250E272MK35S	2700	12.5x35			
661-EKZH250E332ML25S	EKZH250E332ML25S	3300	16x25			
35 Volt						
661-EKZH350E470ME11D	EKZH350E470ME11D	47	5x11			
661-EKZH350E101MF11D	EKZH350E101MF11D	100	6.3x11			
661-EKZH350E221MHB5D	EKZH350E221MHB5D	220	8x11.5			
661-EKZH350E271MH15D	EKZH350E271MH15D	270	8x15			
661-EKZH350E391MH20D	EKZH350E391MH20D	390	8x20			
661-EKZH350E471MJ16S	EKZH350E471MJ16S	470	10x16			
661-EKZH350E561MJ20S	EKZH350E561MJ20S	560	10x20			
661-EKZH350E681MJ25S	EKZH350E681MJ25S	680	10x25			
661-EKZH350E102MK20S	EKZH350E102MK20S	1000	12.5x20			
661-EKZH350E122MK25S	EKZH350E122MK25S	1200	12.5x25			
661-EKZH350E152MK30S	EKZH350E152MK30S	1500	12.5x30			
661-EKZH350E182MK35S	EKZH350E182MK35S	1800	12.5x35			
661-EKZH350E222ML25S	EKZH350E222ML25S	2200	16x25			
50 Volt						
661-EKZM500E270ME11D	EKZM500E270ME11D	27	5x11			
661-EKZM500E560MF11D	EKZM500E560MF11D	56	6.3x11			
661-EKZM500E101MHB5D	EKZM500E101MHB5D	100	8x11.5			
661-EKZM500E121MH15D	EKZM500E121MH15D	120	8x15			
661-EKZM500E151MJCS	EKZM500E151MJCS	150	10x12.5			
661-EKZM500E181MH20D	EKZM500E181MH20D	180	8x20			
661-EKZM500E221MJ16S	EKZM500E221MJ16S	220	10x16			
661-EKZM500E271MJ20S	EKZM500E271MJ20S	270	10x20			
661-EKZM500E331MJ25S	EKZM500E331MJ25S	330	10x25			
661-EKZM500E471MK20S	EKZM500E471MK20S	470	12.5x20			
661-EKZM500E681MK30S	EKZM500E681MK30S	680	12.5x30			
661-EKZM500E821MK35S	EKZM500E821MK35S	820	12.5x35			
661-EKZM500E102ML25S	EKZM500E102ML25S	1000	16x25			
661-EKZM500E152MM25S	EKZM500E152MM25S	1500	18x25			



KZH SERIES (CONT.)

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Size DxL(mm)	Price Each		
				1	25	50
16 Volt						
661-EKZH160E392MK35S	EKZH160E392MK35S	392	12.5x35			
661-EKZH160E472ML25S	EKZH160E472ML25S	470	16x25			
661-EKZH160E681MH15D	EKZH160E681MH15D	680	8x15			
661-EKZH160E102MH20D	EKZH160E102MH20D	1000	8x20			
661-EKZH160E152MJ20S	EKZH160E152MJ20S	1500	10x20			
25 Volt						
661-EKZH250E680ME11D	EKZH250E680ME11D	68	5x11			
661-EKZH250E151MF11D	EKZH250E151MF11D	150	6.3x11	</		

VISHAY BC COMPONENTS Aluminum Capacitors Miniature Axial

RoHS Compliant This product is RoHS compliant.



VISHAY 021 ASM SERIES

Features:

- Polarized aluminum electrolytic capacitors, non-solid electrolyte
- Axial leads, cylindrical aluminum case, insulated with a blue sleeve
- Taped versions up to case ϕ 15x30mm available for automatic insertion
- Charge and discharge proof

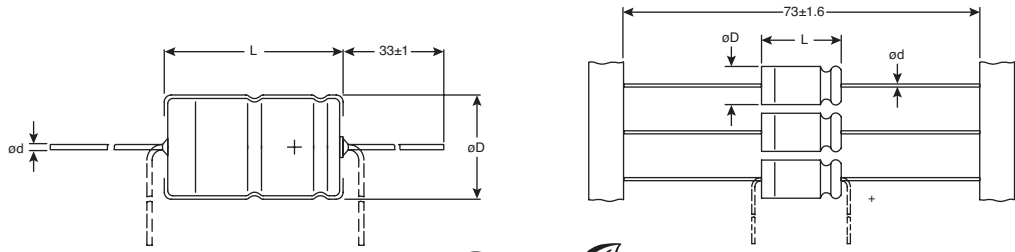
Reference Data:

- Tolerance on C_p : $\pm 20\%$
- Rated voltage range, U_p : 6.3V to 100V
- Category temperature range: -40°C to $+85^\circ\text{C}$
- Shelf life at 0V, 85°C : 500 Hours

Applications:

- General purpose, industrial, automotive, audio-video
- Coupling, decoupling, smoothing, filtering, buffering
- Portable and mobile equipment (small size, low mass)
- Low mounting height boards, vibration and shock resistant

DIMENSIONS: mm



Form AA: Axial in box (bulk)
Case ϕ D x L = 10 x 30 to 21 x 38mm

Form BA: Taped in box (ammopak),
case ϕ D x L = 6.5 x 18 to 10 x 25mm



Aluminum Caps, Leaded Vishay

6.3 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (μF)	Case Size DxL (mm)	Price Each			
					1	10	50	100
594-2222-021-33102	MAL202133102E3	BA	1000 μF	8x18				

40 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (μF)	Case Size DxL (mm)	Price Each			
					1	10	50	100
594-2222-021-37229	MAL202137229E3	BA	22 μF	4.5x10				
594-2222-021-37479	MAL202137479E3	BA	47 μF	6x10				
594-2222-021-37101	MAL202137101E3	BA	100 μF	6.5x18				
594-2222-021-90538	MAL202190538E3	BA	100 μF	8x11				
594-2222-021-37221	MAL202137221E3	BA	220 μF	10x18				
594-2222-021-37331	MAL202137331E3	BA	330 μF	10x25				
594-2222-021-90515	MAL202190515E3	BA	470 μF	10x25				
594-2222-021-17471	MAL202117471E3	AA	470 μF	10x30				
594-2222-021-17681	MAL202117681E3	AA	680 μF	12.5x30				
594-2222-021-17102	MAL202117102E3	AA	1000 μF	12.5x30				
594-2222-021-17152	MAL202117152E3	AA	1500 μF	15x30				
594-2222-021-17222	MAL202117222E3	AA	2200 μF	18x30				
594-2222-021-17332	MAL202117332E3	AA	3300 μF	18x38				
594-2222-021-17472	MAL202117472E3	AA	4700 μF	21x38				

10 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (μF)	Case Size DxL (mm)	Price Each			
					1	10	50	100
594-2222-021-34101	MAL202134101E3	BA	100 μF	4.5x10				
594-2222-021-34221	MAL202134221E3	BA	220 μF	6x10				
594-2222-021-34331	MAL202134331E3	BA	330 μF	8x11				
594-2222-021-34471	MAL202134471E3	BA	470 μF	6.5x18				
594-2222-021-34102	MAL202134102E3	BA	1000 μF	10x18				
594-2222-021-14332	MAL202114332E3	AA	3300 μF	12.5x30				

16 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (μF)	Case Size DxL (mm)	Price Each			
					1	10	50	100
594-2222-021-35689	MAL202135689E3	BA	68 μF	4.5x10				
594-2222-021-35151	MAL202135151E3	BA	150 μF	6x10				
594-2222-021-35221	MAL202135221E3	BA	220 μF	8x11				
594-2222-021-35331	MAL202135331E3	BA	330 μF	6.5x18				
594-2222-021-35471	MAL202135471E3	BA	470 μF	8x18				
594-2222-021-90518	MAL202190518E3	BA	1000 μF	10x25				
594-2222-021-15102	MAL202115102E3	AA	1000 μF	10x30				
594-2222-021-15222	MAL202115222E3	AA	2200 μF	12.5x30				
594-2222-021-15332	MAL202115332E3	AA	3300 μF	15x30				
594-2222-021-15472	MAL202115472E3	AA	4700 μF	18x30				
594-2222-021-15103	MAL202115103E3	AA	10000 μF	21x38				

25 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (μF)	Case Size DxL (mm)	Price Each			
					1	10	50	100
594-2222-021-36479	MAL202136479E3	BA	47 μF	4.5x10				
594-2222-021-36101	MAL202136101E3	BA	100 μF	6x10				
594-2222-021-36221	MAL202136221E3	BA	220 μF	6.5x18				
594-2222-021-36331	MAL202136331E3	BA	330 μF	8x18				
594-2222-021-36471	MAL202136471E3	BA	470 μF	10x18				
594-2222-021-90528	MAL202190528E3	BA	680 μF	10x25				
594-2222-021-16102	MAL202116102E3	AA	1000 μF	12.5x30				
594-2222-021-16152	MAL202116152E3	AA	1500 μF	12.5x30				
594-2222-021-16222	MAL202116222E3	AA	2200 μF	15x30				
594-2222-021-16332	MAL202116332E3	AA	3300 μF	18x30				
594-2222-021-90062	MAL202190062E3	AA	4700 μF	18x38				
594-2222-021-16682	MAL202116682E3	AA	6800 μF	21x38				

100 Volt

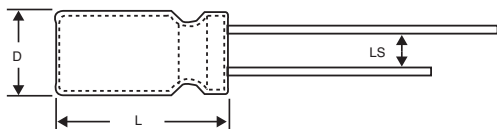
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pack-aging	Value (μF)	Case Size DxL (mm)	Price Each			
					1	10	50	100
594-2222-021-39108	MAL202139108E3	BA	1 μF	4.5x10				
594-2222-021-39228	MAL202139228E3	BA	2.2 μF	4.5x10				
594-2222-021-39478	MAL202139478E3	BA	4.7 μF	4.5x10				
594-2222-021-39109	MAL202139109E3	BA	10 μF	6x10				
594-2222-021-39229	MAL202139229E3	BA	22 μF	6.5x18				
594-2222-021-39479	MAL202139479E3	BA	47 μF	8x18				
594-2222-021-39689	MAL202139689E3	BA	68 μF	10x18				
594-2222-021-90532	MAL202190532E3	BA	100 μF	10x25				
594-2222-021-19101	MAL202119101E3	AA	100 μF	10x30				
594-2222-021-19221	MAL202119221E3	AA	220 μF	12.5x30				
594-2222-021-19331	MAL202119331E3	AA	330 μF	15x30				
594-2222-021-19471	MAL202119471E3	AA	470 μF	18x30				
594-2222-021-19102	MAL202119102E3	AA	1000 μF	21x38				

VISHAY/SPRAGUE Aluminum Electrolytic Capacitors



This product is RoHS compliant.



CASE CODE is listed in BOLD in Vishay Part No. Column					
Case Code	Nominal Case Size D x L in. (mm)	Lead Spacing (LS)	Case Code	Nominal Case Size D x L in. (mm)	Lead Spacing (LS)
JA	.197 x .433 (5.0 x 11.0)	.079 (2.0)	DG	.492 x .787 (12.5 x 20.0)	.197 (5.0)
AA	.248 x .433 (6.3 x 11.0)	.098 (2.5)	DK	.492 x .984 (12.5 x 25.0)	.197 (5.0)
BB	.315 x .453 (8.0 x 11.5)	.138 (3.5)	EK	.630 x .984 (16.0 x 25.0)	.295 (7.5)
CC	.394 x .492 (10.0 x 12.5)	.197 (5.0)	EN	.630 x 1.240 (16.0 x 31.5)	.295 (7.5)
CD	.394 x .630 (10.0 x 16.0)	.197 (5.0)	FR	.709 x 1.398 (18.0 x 35.5)	.295 (7.5)
CG	.394 x .787 (10.0 x 20.0)	.197 (5.0)			

Vishay Aluminum Caps, Leaded

VISHAY/SPRAGUE 515D MINIATURE - 85°C GENERAL PURPOSE TYPE



RoHS Compliant

Specifications:

- Operating temperature: -40°C to +85°C
- Tolerance: ±20%
- Life validation test: 2000 hours @ +85°C

Features:

- 85°C max. temperature
- High CV per case size
- Solvent resistant construction (through 100WVDC)
- Low profile ratings

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Price Each			
			1	25	100	250
10 Volt						
75-515D476M010JA6AE3	515D476M010JA6AE3	47				
75-515D107M010JA6AE3	515D107M010JA6AE3	100				
75-515D477M010BB6AE3	515D477M010BB6AE3	470				
75-515D108M010CD6AE3	515D108M010CD6AE3	1000				
16 Volt						
75-515D336M016JA6AE3	515D336M016JA6AE3	33				
75-515D476M016JA6AE3	515D476M016JA6AE3	47				
75-515D107M016AA6AE3	515D107M016AA6AE3	100				
75-515D227M016BB6AE3	515D227M016BB6AE3	220				
75-515D337M016BB6AE3	515D337M016BB6AE3	330				
75-515D477M016CC6AE3	515D477M016CC6AE3	470				
75-515D108M016CG6AE3	515D108M016CG6AE3	1000				
75-515D228M016DK6AE3	515D228M016DK6AE3	2200				
25 Volt						
75-515D106M025JA6AE3	515D106M025JA6AE3	10				
75-515D226M025JA6AE3	515D226M025JA6AE3	22				
75-515D336M025JA6AE3	515D336M025JA6AE3	33				
75-515D476M025JA6AE3	515D476M025JA6AE3	47				
75-515D107M025AA6AE3	515D107M025AA6AE3	100				
75-515D227M025BB6AE3	515D227M025BB6AE3	220				
75-515D337M025CC6AE3	515D337M025CC6AE3	330				
75-515D477M025CD6AE3	515D477M025CD6AE3	470				
75-515D108M025DG6AE3	515D108M025DG6AE3	1000				
75-515D228M025EK6AE3	515D228M025EK6AE3	2200				
35 Volt						
75-515D106M035JA6AE3	515D106M035JA6AE3	10				
75-515D226M035JA6AE3	515D226M035JA6AE3	22				
75-515D336M035JA6AE3	515D336M035JA6AE3	33				
75-515D476M035AA6AE3	515D476M035AA6AE3	47				
75-515D107M035BB6AE3	515D107M035BB6AE3	100				
75-515D227M035CC6AE3	515D227M035CC6AE3	220				
75-515D337M035CD6AE3	515D337M035CD6AE3	330				
75-515D477M035CG6AE3	515D477M035CG6AE3	470				
75-515D108M035DK6AE3	515D108M035DK6AE3	1000				
75-515D228M035EN6AE3	515D228M035EN6AE3	2200				
50 Volt						
75-515D474M050JA6AE3	515D474M050JA6AE3	0.47				
75-515D105M050JA6AE3	515D105M050JA6AE3	1				
75-515D225M050JA6AE3	515D225M050JA6AE3	2.2				
75-515D335M050JA6AE3	515D335M050JA6AE3	3.3				
75-515D475M050JA6AE3	515D475M050JA6AE3	4.7				
75-515D106M050JA6AE3	515D106M050JA6AE3	10				
75-515D226M050JA6AE3	515D226M050JA6AE3	22				
75-515D336M050AA6AE3	515D336M050AA6AE3	33				
75-515D476M050AA6AE3	515D476M050AA6AE3	47				
75-515D107M050BB6AE3	515D107M050BB6AE3	100				
75-515D227M050CD6AE3	515D227M050CD6AE3	220				
75-515D337M050CG6AE3	515D337M050CG6AE3	330				
75-515D477M050DG6AE3	515D477M050DG6AE3	470				
75-515D108M050EK6AE3	515D108M050EK6AE3	1000				
75-515D228M050FR6AE3	515D228M050FR6AE3	2200				
100 Volt						
75-515D474M100JA6AE3	515D474M100JA6AE3	0.47				
75-515D105M100JA6AE3	515D105M100JA6AE3	1				
75-515D225M100JA6AE3	515D225M100JA6AE3	2.2				
75-515D106M100AA6AE3	515D106M100AA6AE3	10				
75-515D476M100CD6AE3	515D476M100CD6AE3	47				
75-515D107M100DG6AE3	515D107M100DG6AE3	100				
75-515D337M100EK6AE3	515D337M100EK6AE3	330				
75-515D477M100EN6AE3	515D477M100EN6AE3	470				
160 Volt						
75-515D106M160CC6AE3	515D106M160CC6AE3	10				
250 Volt						
75-515D105M250AA6AE3	515D105M250AA6AE3	1				
75-515D106M250CG6AE3	515D106M250CG6AE3	10				

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VISHAY/SPRAGUE 517D MINIATURE 105°C RADIAL LEAD TYPE



RoHS Compliant

Specifications:

- Operating temperature: -55°C to +105°C, ≤ 100VDC
- 40°C to +105°C ≤ 160VDC
- Tolerance: ±20%
- Rated lifetime: 2000 hours @ +105°C

Features:

- 105°C max. temperature
- High CV per case size
- Solvent resistant construction (through 100WVDC)
- High temperature operation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Price Each			
			1	25	100	250
10 Volt						
75-517D107M010JA6AE3	517D107M010JA6AE3	100				
16 Volt						
75-517D336M016JA6AE3	517D336M016JA6AE3	33				
75-517D476M016JA6AE3	517D476M016JA6AE3	47				
75-517D107M016AA6AE3	517D107M016AA6AE3	100				
75-517D227M016BB6AE3	517D227M016BB6AE3	220				
75-517D337M016BB6AE3	517D337M016BB6AE3	330				
75-517D477M016CC6AE3	517D477M016CC6AE3	470				
75-517D108M016CG6AE3	517D108M016CG6AE3	1000				
75-517D228M016DK6AE3	517D228M016DK6AE3	2200				
25 Volt						
75-517D226M025JA6AE3	517D226M025JA6AE3	22				
75-517D336M025JA6AE3	517D336M025JA6AE3	33				
75-517D476M025JA6AE3	517D476M025JA6AE3	47				
75-517D107M025AA6AE3	517D107M025AA6AE3	100				
75-517D227M025BB6AE3	517D227M025BB6AE3	220				
75-517D337M025CC6AE3	517D337M025CC6AE3	330				
75-517D477M025CD6AE3	517D477M025CD6AE3	470				
75-517D108M025DG6AE3	517D108M025DG6AE3	1000				
75-517D228M025EK6AE3	517D228M025EK6AE3	2200				
35 Volt						
75-517D475M035JA6AE3	517D475M035JA6AE3	4.7				
75-517D108M035DK6AE3	517D108M035DK6AE3	1000				
50 Volt						
75-517D105M050JA6AE3	517D105M050JA6AE3	1				
75-517D225M050JA6AE3	517D225M050JA6AE3	2.2				
75-517D335M050JA6AE3	517D335M050JA6AE3	3.3				
75-517D106M050JA6AE3	517D106M050JA6AE3	10				
75-517D226M050JA6AE3	517D226M050JA6AE3	22				
75-517D336M050AA6AE3	517D336M050AA6AE3	33				
75-517D476M050AA6AE3	517D476M050AA6AE3	47				
75-517D107M050BB6AE3	517D107M050BB6AE3	100				
75-517D227M050CD6AE3	517D227M050CD6AE3	220				
75-517D337M050CG6AE3	517D337M050CG6AE3	330				
75-517D108M050EK6AE3	517D108M050EK6AE3	1000				
75-517D228M050FR6AE3	517D228M050FR6AE3	2200				
100 Volt						
75-517D105M100JA6AE3	517D105M100JA6AE3	1				
75-517D335M100JA6AE3	517D335M100JA6AE3	3.3				
75-517D475M100JA6AE3	517D475M100JA6AE3	4.7				
75-517D106M100AA6AE3	517D106M100AA6AE3	10				
75-517D226M100BB6AE3	517D226M100BB6AE3	22				
75-517D336M100CC6AE3	517D336M100CC6AE3	33				
75-517D476M100CD6AE3	517D476M100CD6AE3	47				
75-517D107M100DG6AE3	517D107M100DG6AE3	100				
75-517D227M100EK6AE3	517D227M100EK6AE3	220				
75-517D337M100EK6AE3	517D337M100EK6AE3	330				
75-517D477M100EN6AE3	517D477M100EN6AE3	470				
160 Volt						
75-517D105M160AA6AE3	517D105M160AA6AE3	1				
75-517D225M160AA6AE3	517D225M160AA6AE3	2.2				
75-517D106M160CC6AE3	517D106M160CC6AE3	10				
75-517D476M160DK6AE3	517D476M160DK6AE3	47				
75-517D107M160EK6AE3	517D107M160EK6AE3	100				
250 Volt						
75-517D105M250AA6AE3	517D105M250AA6AE3	1				
75-517D225M250BB6AE3	517D225M250BB6AE3	2.2				
75-517D475M250CC6AE3	517D475M250CC6AE3	4.7				
75-517D106M250CG6AE3	517D106M250CG6AE3	10				
75-517D226M250DK6AE3	517D226M250DK6AE3	22				
75-517D336M250DK6AE3	517D336M250DK6AE3	33				
75-517D476M250EK6AE3	517D476M250EK6AE3	47				
75-517D107M250FR6AE3	517D107M250FR6AE3	100				

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VISHAY/SPRAGUE Aluminum Electrolytic Capacitors



VISHAY/SPRAGUE TYPE TVA ATOM® 85°C ALUMINUM MINIATURE AXIAL LEAD

Specifications:

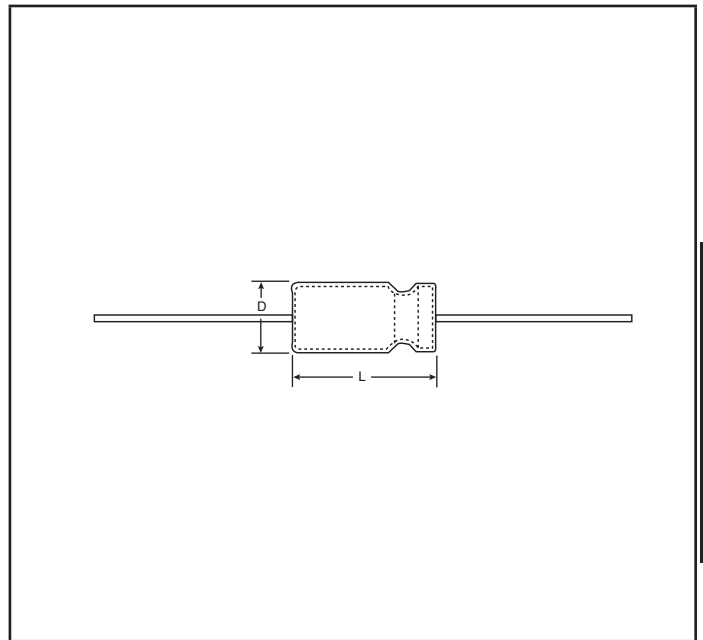
- Operating temperature:
-40°C to +85°C (≤100VDC)
-20°C to +85°C (150VDC-450VDC)
-20°C to +65°C (≥ 500VDC)
- Capacitance tolerance: ±20%

Features:

- Low leakage current
- Ideal for application in TV sets, auto radios, radio-phone combinations, and electronic testing equipment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size D x L (in.)	Price Each			
Mfr.	Mfr. Part No.				1	25	50	100
75—	TVA1160	16	100	.312 x .687				
75—	TVA1161	16	250	.375 x .812				
75—	TVA1162	16	500	.375 x .937				
75—	TVA1163	16	1000	.375 x 1.5				
75—	TVA1204	25	10	.25 x .5				
75—	TVA1204.5	25	20	.25 x .5				
75—	TVA1205	25	25	.25 x .5				
75—	TVA1206	25	50	.25 x .687				
75—	TVA1207	25	100	.312 x .812				
75—	TVA1207.5	25	150	.375 x .812				
75—	TVA1208	25	250	.375 x .937				
75—	TVA1208.5	25	300	.375 x .937				
75—	TVA1209	25	500	.485 x 1.25				
75—	TVA1211	25	1000	.485 x 1.5				
75—	TVA1213	25	2000	.625 x 1.75				
75—	TVA1300	50	1	.25 x .5				
75—	TVA1301	50	2	.25 x .5				
75—	TVA1303	50	5	.25 x .5				
75—	TVA1304	50	10	.25 x .50				
75—	TVA1305	50	15	.25 x .687				
75—	TVA1305.5	50	20	.25 x .687				
75—	TVA1306	50	25	.25 x .687				
75—	TVA1308	50	50	.312 x .812				
75—	TVA1310	50	100	.375 x .812				
75—	TVA1311	50	150	.375 x .937				
75—	TVA1311.5	50	200	.375 x 1.25				
75—	TVA1312	50	250	.375 x 1.5				
75—	TVA1312.1	50	300	.438 x 1.25				
75—	TVA1315	50	500	.485 x 1.5				
75—	TVA1316	50	1000	.625 x 1.75				
75—	TVA1318	50	1500	.875 x 2.125				
75—	TVA1318.3	50	2500	1.125 x 2.625				
75—	TVA1346	100	100	.438 x 1.5				
75—	TVA1376	100	500	1.375 x 3.125				
75—	TVA1400	150	1	.25 x .5				
75—	TVA1402	150	4	.312 x .812				
75—	TVA1403	150	5	.312 x .812				
75—	TVA1405	150	8	.375 x .812				
75—	TVA1406	150	10	.375 x .812				
75—	TVA1409	150	16	.375 x .937				
75—	TVA1410	150	20	.375 x 1.25				
75—	TVA1411	150	25	.375 x 1.25				
75—	TVA1412	150	30	.438 x 1.25				
75—	TVA1413	150	40	.438 x 1.5				
75—	TVA1414	150	50	.438 x 1.5				
75—	TVA1415	150	60	.625 x 1.5				
75—	TVA1418	150	80	.625 x 1.75				
75—	TVA1420	150	100	.625 x 1.75				
75—	TVA1423	150	200	1.0 x 2.125				
75—	TVA1501	250	4	.375 x .812				
75—	TVA1504	250	10	.375 x 1.125				
75—	TVA1508	250	20	.438 x 1.5				
75—	TVA1510	250	30	.625 x 1.5				
75—	TVA1511	250	40	.625 x 1.75				
75—	TVA1512	250	50	.875 x 1.375				
75—	TVA1522	250	100	1.0 x 1.875				
75—	TVA1601	350	4	.375 x 1.25				
75—	TVA1607	350	15	.485 x 1.75				
75—	TVA1608	350	20	.625 x 1.75				
75—	TVA1613	350	60	.875 x 2.125				
75—	TVA1620	350	100	1.0 x 2.625				
75—	TVA1700	450	1	.375 x .812				
75—	TVA1701	450	2	.375 x 1.25				
75—	TVA1702	450	4	.438 x 1.5				
75—	TVA1704	450	8	.485 x 1.75				
75—	TVA1709	450	20	.875 x 1.625				
75—	TVA1711	450	30	.875 x 1.875				
75—	TVA1712	450	40	.875 x 2.125				
75—	TVA1716	450	80	1.0 x 2.625				
75—	TVA1718	450	100	1.25 x 3.125				
75—	TVA1803.1	475	16	.875 x 1.625				
75—	TVA1906	500	20	.875 x 2.125				
75—	TVA1907	500	30	1.0 x 1.625				
75—	TVA1908	500	40	1.0 x 2.375				
75—	TVA1963	600	10	1.0 x 2.875				
75—	TVA1966	600	20	1.0 x 3.875				



VISHAY/SPRAGUE TYPE TE LITTL-LYTIC® 105°C ALUMINUM CAPACITORS

Specifications:

- Operating temperature: -40°C to +105°C
- Capacitance tolerance:
+75%, -10% (≤ 50VDC)
+50, -10% (≥ 100VDC)

Features:

- Welded terminal connectors
- Metal-encased with clear plastic outer insulating sleeve
- Ideal for use as coupling capacitors. Minimum drain and long battery life when used in battery bypass applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size D x L (in.)	Price Each		
Mfr.	Mfr. Part No.				1	50	100
75—	TE1135	12	100	.322 x .848			
75—	TE1155	16	10	.26 x .536			
75—	TE1160	16	50	.322 x .723			
75—	TE1162	16	100	.385 x .848			
75—	TE1164	16	200	.385 x 1.286			
75—	TE1164.5	16	250	.385 x 1.286			
75—	TE1166	16	350	.385 x 1.536			
75—	TE1202	25	5	.26 x .536			
75—	TE1204	25	10	.26 x .723			
75—	TE1205	25	15	.26 x .723			
75—	TE1206	25	20	.322 x .723			
75—	TE1207	25	25	.322 x .723			
75—	TE1209	25	50	.322 x .848			
75—	TE1210	25	75	.385 x .848			
75—	TE1211	25	100	.385 x .973			
75—	TE1212	25	150	.385 x 1.286			
75—	TE1213	25	200	.385 x 1.536			
75—	TE1300	50	1	.26 x .536			
75—	TE1301	50	2	.26 x .536			
75—	TE1302	50	3	.26 x .536			
75—	TE1302.1	50	4	.26 x .536			
75—	TE1303	50	5	.26 x .723			
75—	TE1303.3	50	8	.26 x .723			
75—	TE1304	50	10	.322 x .723			
75—	TE1304.2	50	15	.322 x .723			
75—	TE1305	50	20	.322 x .848			
75—	TE1305.5	50	25	.322 x .848			
75—	TE1306	50	35	.385 x .848			
75—	TE1307	50	50	.385 x .973			
75—	TE1308	50	75	.385 x 1.286			
75—	TE1309	50	100	.385 x 1.536			
75—	TE1401	100	2	.26 x .723			
75—	TE1407	100	10	.385 x .848			
75—	TE1408	100	15	.385 x .973			
75—	TE1410	100	25	.385 x 1.536			
75—	TE1411	100	30	.385 x 1.536			
75—	TE1500	150	1	.26 x .536			
75—	TE1504	150	5	.322 x .848			
75—	TE1506	150	8	.385 x .848			
75—	TE1507	150	10	.385 x .973			
75—	TE1508.1	150	15	.385 x 1.286			

VISHAY/SPRAGUE Aluminum Electrolytic Capacitors



SPRAGUE TYPE 39D POWERLYTIC® 85°C, ALUMINUM ELECTROLYTIC CAPACITORS

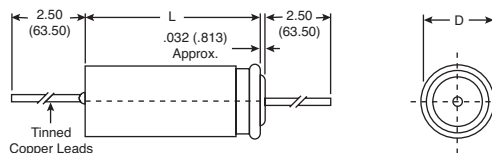
DIMENSIONS: in.

Performance Characteristics:

- Operating temperature: -20°C to +85°C
- Capacitance tolerance: 10WVDC to 75WVDC, +75%, -10%; 100WVDC to 450WVDC, +50%, -10%
- Dissipation factor: 10WVDC and 15WVDC capacitors, 150%; 25WVDC and 30WVDC capacitors, 60%; 40WVDC and 50WVDC capacitors, 45%; 75WVDC and 100WVDC capacitors, 30%; 150WVDC to 450WVDC capacitors, 18%.

Features:

- Designed for applications requiring greatest possible capacitance in small physical case sizes
- Supplement original Type 36D can-type capacitors, offering lower capacitance values in smaller sizes with axial leads
- Welds at all critical anode and cathode terminals eliminate riveted or pressure connections to assure freedom from open circuit even when operated in the microvolt or millivolt signal range
- Pressure-sensitive safety vent
- Service life of 10 years or more in normal circuit applications
- Capacitors have an outer plastic-film insulation



Vishay Aluminum Caps, Leaded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Case Size D x L (in.)	Price Each		
				1	25	50
10WVDC @ +85°C, Surge = 12V						
75-39D108G010FJ6	39D108G010FJ6	1000	.635 x 1.641			
15WVDC @ +85°C, Surge = 18V						
75-39D808G015JT6	39D808G015JT6	8000	1.01 x 3.641			
25WVDC @ +85°C, Surge = 30V						
75-39D478G025JT6	39D478G025JT6	4700	1.01 x 3.641			
30WVDC @ +85°C, Surge = 40V						
75-39D507G030FL6	39D507G030FL6	500	.635 x 2.141			
75-39D308G030JS6	39D308G030JS6	3000	1.01 x 3.141			
40WVDC @ +85°C, Surge = 50V						
75-39D158G040HP6	39D158G040HP6	1500	.885 x 2.641			
50WVDC @ +85°C, Surge = 65V						
75-39D257G050HE6	39D257G050HE6	250	.885 x 1.141			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Case Size D x L (in.)	Price Each		
				1	25	50
50WVDC @ +85°C, Surge = 65V (Cont.)						
75-39D507G050GL6	39D507G050GL6	500	.760 x 2.141			
75-39D118G050HP6	39D118G050HP6	1100	.885 x 2.641			
75-39D238G050JT6	39D238G050JT6	2300	1.01 x 3.641			
75WVDC @ +85°C, Surge = 95V						
75-39D157G075FJ6	39D157G075FJ6	150	.635 x 1.641			
150WVDC @ +85°C, Surge = 175V						
75-39D127F150GL6	39D127F150GL6	120	.760 x 2.141			
250WVDC @ +85°C, Surge = 300V						
75-39D506F250JE6	39D506F250JE6	50	1.01 x 1.141			
350WVDC @ +85°C, Surge = 400V						
75-39D606F350HL6	39D606F350HL6	60	.885 x 1.641			

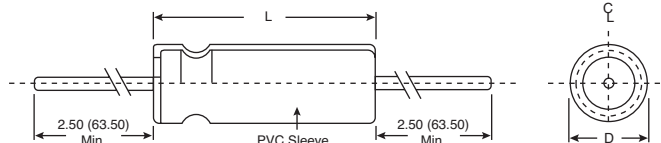
SPRAGUE TYPE 53D 85°C, TUBULAR GENERAL PURPOSE ALUMINUM CAPACITORS

DIMENSIONS: in.

Performance Characteristics:

- Operating temperature: -40°C to +85°C
- Capacitance tolerance: -10%, +50%; -10%, +75%

- Life validation test: 1000 hours at +85°C:
 - Δ CAP ≤ 15% from initial measurement
 - Δ ESR ≤ 1.3 x initial specified limit
 - Δ DCL ≤ initial specified limit



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Case Size D x L (in.)	Price Each		
				1	25	50
25WVDC @ +85°C, Surge = 35V						
75-53D25V4300	53D432G025HJ6	4300	.885 x 1.641			
75-53D25V6200	53D622G025HL6	6200	.885 x 2.141			
75-53D25V11000	53D113G025JP6	11000	1.01 x 2.641			
35WVDC @ +85°C, Surge = 45V						
75-53D35V1100	53D112G035GE6	1100	.76 x 1.141			
75-53D35V2100	53D212G035GJ6	2100	.76 x 1.641			
75-53D35V3200	53D322G035HJ6	3200	.885 x 1.641			
75-53D35V4700	53D472G035HL6	4700	.885 x 2.141			
50WVDC @ +85°C, Surge = 70V						
75-53D50V1300	53D132G050GJ6	1300	.76 x 1.641			
75-53D50V1900	53D192G050HJ6	1900	.885 x 1.641			
75-53D50V2800	53D282G050HL6	2800	.885 x 2.141			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Case Size D x L (in.)	Price Each		
				1	25	50
50WVDC @ +85°C, Surge = 70V (Cont.)						
75-53D50V3800	53D382G050JL6	3800	1.01 x 2.141			
75-53D50V5000	53D502G050JP6	5000	1.01 x 2.641			
75-53D50V6800	53D682G050JP6	6800	1.01 x 2.641			
63WVDC @ +85°C, Surge = 80V						
75-53D63V1000	53D102G063GJ6	1000	.76 x 1.641			
75-53D63V1500	53D152G063HJ7	1500	.885 x 1.641			
75-53D63V2200	53D222G063HL6	2200	.885 x 2.141			
200WVDC @ +85°C, Surge = 250V						
75-53D200V350	53D351F200JL6	350	1.01 x 2.141			
250WVDC @ +85°C, Surge = 300V						
75-53D250V56	53D560F250GE6	56	.76 x 1.141			
75-53D250V100	53D101F250GJ6	100	.76 x 1.641			
75-53D250V130	53D131F250HJ6	130	.885 x 1.641			
400WVDC @ +85°C, Surge = 450V						
75-53D400V100	53D101F400JL6	100	1.01 x 2.141			
75-53D400V140	53D141F400JS6	140	1.01 x 3.141			
75-53D400V150	53D151F400JS6	150	1.01 x 3.141			

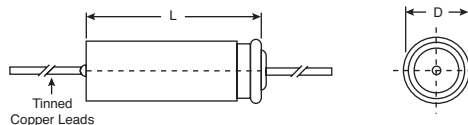
SPRAGUE TYPE 500D 85°C, MINIATURE GENERAL PURPOSE ALUMINUM CAPACITORS

DIMENSIONS: in.

Performance Characteristics:

- Operating temperature: -40°C to +85°C (3WVDC to 250WVDC); -20°C to +85°C (251WVDC to 400WVDC)
- Capacitance tolerance: ±20%

- Life validation test: 2000 hours at +85°C:
 - Δ CAP ≤ 20% from initial measurement
 - Δ ESR ≤ 1.5 x initial specified limit
 - Δ DCL ≤ initial specified limit



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Case Size D x L (in.)	Price Each		
				1	25	50
16WVDC @ +85°C, Surge = 20V						
75-500D157M016CB2A	500D157M016CB2A	150	.315 x .689			
75-500D108M016DH2	500D108M016DH2	1000	.374 x 1.496			
75-500D158M016EH2	500D158M016EH2	1500	.433 x 1.496			
25WVDC @ +85°C, Surge = 35V						
75-500D107M025CC2A	500D107M025CC2A	100	.315 x .807			
75-500D227M025DC2A	500D227M025DC2A	220	.374 x .807			
35WVDC @ +85°C, Surge = 40V						
75-500D156M035BA2	500D156M035BA2	15	.248 x .512			
75-500D476M035CB2	500D476M035CB2	47	.315 x .689			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Case Size D x L (in.)	Price Each		
				1	25	50
50WVDC @ +85°C, Surge = 65V						
75-500D106M050BA2A	500D106M050BA2A	10	.248 x .512			
75-500D107M050DC2A	500D107M050DC2A	100	.374 x .807			
75-500D157M050DD2A	500D157M050DD2A	150	.374 x .945			
75-500D337M050EF2A	500D337M050EF2A	330	.433 x 1.260			
75-500D687M050GH2	500D687M050GH2	680	.630 x 1.496			
63WVDC @ +85°C, Surge = 75V						
75-500D476M063CC2A	500D476M063CC2A	47	.315 x .807			
400WVDC @ +85°C, Surge = 450V						
75-500D106M400FK2	500D106M400FK2	10	.492 x 1.752			

AVX SMD Flexitem™ Ceramic Capacitors



RoHS Compliant This product is RoHS compliant.

MLCC WITH SOFT TERMINATION

XR7 formulations are called "temperature stable" ceramics and fall into EIA Class II materials.

MOUSER STOCK NO.	AVX Part No.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
0603 Style									
581-06031C221KAZ2A	06031C221KAZ2A	220	100	10				4000	
581-06031C271KAZ2A	06031C271KAZ2A	270	100	10				4000	
581-06035C331JAZ2A	06035C331JAZ2A	330	50	5				4000	
581-06031C331JAZ2A	06031C331JAZ2A	330	100	5				4000	
581-06031C331KAZ2A	06031C331KAZ2A	330	100	10				4000	
581-06035C471JAZ2A	06035C471JAZ2A	470	50	5				4000	
581-06031C471JAZ2A	06031C471JAZ2A	470	100	5				4000	
581-06031C471KAZ2A	06031C471KAZ2A	470	100	10				4000	
581-06035C681KAZ2A	06035C681KAZ2A	680	50	10				4000	
581-06031C681KAZ2A	06031C681KAZ2A	680	100	10				4000	
581-06035C102JAZ2A	06035C102JAZ2A	1000	50	5				4000	
581-06035C102KAZ2A	06035C102KAZ2A	1000	50	10				4000	
581-06035F102KAZ2A	06035F102KAZ2A	1000	50	10				4000	
581-06031C102JAZ2A	06031C102JAZ2A	1000	100	5				4000	
581-06031C102KAZ2A	06031C102KAZ2A	1000	100	10				4000	
581-06031C122JAZ2A	06031C122JAZ2A	1200	100	5				4000	
581-06035C152JAZ2A	06035C152JAZ2A	1500	50	5				4000	
581-06035C152KAZ2A	06035C152KAZ2A	1500	50	10				4000	
581-06031C152JAZ2A	06031C152JAZ2A	1500	100	5				4000	
581-06031C152KAZ2A	06031C152KAZ2A	1500	100	10				4000	
581-06035C222JAZ2A	06035C222JAZ2A	2200	50	5				4000	
581-06035C222KAZ2A	06035C222KAZ2A	2200	50	10				4000	
581-06035C222KAZ2A	06035C222KAZ2A	2200	50	10				4000	
581-06031C222JAZ2A	06031C222JAZ2A	2200	100	5				4000	
581-06031C222KAZ2A	06031C222KAZ2A	2200	100	10				4000	
581-06031C272KAZ2A	06031C272KAZ2A	2700	100	10				4000	
581-06035C332KAZ2A	06035C332KAZ2A	3300	50	10				4000	
581-06031C332JAZ2A	06031C332JAZ2A	3300	100	5				4000	
581-06031C332KAZ2A	06031C332KAZ2A	3300	100	10				4000	
581-06031C392JAZ2A	06031C392JAZ2A	3900	100	5				4000	
581-06031C392KAZ2A	06031C392KAZ2A	3900	100	10				4000	
581-0603YC472JAZ2A	0603YC472JAZ2A	4700	16	5				4000	
581-06035C472JAZ2A	06035C472JAZ2A	4700	25	5				4000	
581-06035C472KAZ2A	06035C472KAZ2A	4700	50	5				4000	
581-06035C472KAZ2A	06035C472KAZ2A	4700	50	10				4000	
581-06031C472JAZ2A	06031C472JAZ2A	4700	100	5				4000	
581-06031C472KAZ2A	06031C472KAZ2A	4700	100	10				4000	
581-06031C562JAZ2A	06031C562JAZ2A	5600	100	5				4000	
581-06033C682JAZ2A	06033C682JAZ2A	6800	25	5				4000	
581-06035C682JAZ2A	06035C682JAZ2A	6800	50	5				4000	
581-06035C682KAZ2A	06035C682KAZ2A	6800	50	10				4000	
581-06031C682JAZ2A	06031C682JAZ2A	6800	100	5				4000	
581-06031C682KAZ2A	06031C682KAZ2A	6800	100	10				4000	
581-0603YC103KAZ2A	0603YC103KAZ2A	10000	16	10				4000	
581-06033C103KAZ2A	06033C103KAZ2A	10000	25	10				4000	
581-06035C103JAZ2A	06035C103JAZ2A	10000	50	5				4000	
581-06035C103KAZ2A	06035C103KAZ2A	10000	50	10				4000	
581-06035C103KAZ2A	06035C103KAZ2A	10000	50	10				4000	
581-06035F103KAZ2A	06035F103KAZ2A	10000	50	10				4000	
581-06031C103JAZ2A	06031C103JAZ2A	10000	100	5				4000	
581-06031C103KAZ2A	06031C103KAZ2A	10000	100	10				4000	
581-06035C153JAZ2A	06035C153JAZ2A	15000	50	5				4000	
581-06035C153KAZ2A	06035C153KAZ2A	15000	50	10				4000	
581-0603YC223KAZ2A	0603YC223KAZ2A	22000	16	10				4000	
581-06033C223JAZ2A	06033C223JAZ2A	22000	25	5				4000	
581-06033C223KAZ2A	06033C223KAZ2A	22000	25	10				4000	
581-06035C223JAZ2A	06035C223JAZ2A	22000	50	5				4000	
581-06035C223KAZ2A	06035C223KAZ2A	22000	50	10				4000	
581-06035C223KAZ2A	06035C223KAZ2A	22000	50	10				4000	
581-06035C273KAZ2A	06035C273KAZ2A	27000	50	10				4000	
581-06035C333KAZ2A	06035C333KAZ2A	33000	50	10				4000	
581-06035C333KAZ2A	06035C333KAZ2A	33000	50	10				4000	
581-0603YC473JAZ2A	0603YC473JAZ2A	47000	16	5				4000	
581-06033C473JAZ2A	06033C473JAZ2A	47000	25	5				4000	
581-06033C473KAZ2A	06033C473KAZ2A	47000	25	10				4000	
581-06035F473JAZ2A	06035F473JAZ2A	47000	50	5				4000	
581-06035C473KAZ2A	06035C473KAZ2A	47000	50	10				4000	
581-06035F473KAZ2A	06035F473KAZ2A	47000	50	10				4000	
581-0603YC683KAZ2A	0603YC683KAZ2A	68000	16	10				4000	
581-06035C683KAZ2A	06035C683KAZ2A	68000	50	10				4000	
581-0603YC104JAZ2A	0603YC104JAZ2A	0.1µF	16	5				4000	
581-0603YC104KAZ2A	0603YC104KAZ2A	0.1µF	16	10				4000	
581-06035C104JAZ2A	06035C104JAZ2A	0.1µF	50	5				4000	
581-06035C104KAZ2A	06035C104KAZ2A	0.1µF	50	10				4000	
0805 Style									
581-0805ZC331JAZ2A	0805ZC331JAZ2A	330	10	5				4000	
581-08053C331JAZ2A	08053C331JAZ2A	330	25	5				4000	
581-08053C331JAZ2A	08053C331JAZ2A	330	50	5				4000	
581-08051C331JAZ2A	08051C331JAZ2A	330	100	5				4000	
581-08053C471JAZ2A	08053C471JAZ2A	470	25	5				4000	
581-08055C471JAZ2A	08055C471JAZ2A	470	50	5				4000	
581-08055C471KAZ2A	08055C471KAZ2A	470	50	10				4000	
581-08051C471JAZ2A	08051C471JAZ2A	470	100	5				4000	
581-08051C471KAZ2A	08051C471KAZ2A	470	100	10				4000	
581-0805AC471KAZ1A	0805AC471KAZ1A	470	1000	10				2000	
581-08053C102JAZ2A	08053C102JAZ2A	1000	25	5				4000	
581-08055C102JAZ2A	08055C102JAZ2A	1000	50	5				4000	
581-08055C102KAZ2A	08055C102KAZ2A	1000	50	10				4000	
581-08051C102KAZ2A	08051C102KAZ2A	1000	100	10				4000	
581-08052C102KAZ2A	08052C102KAZ2A	1000	200	10				4000	
581-08055C122JAZ2A	08055C122JAZ2A	1200	50	5				4000	
581-08055C152KAZ2A	08055C152KAZ2A	1500	50	10				4000	
581-08051C152KAZ2A	08051C152KAZ2A	1500	100	10				4000	
581-08055C222KAZ2A	08055C222KAZ2A	2200	50	10				4000	
581-08055C222KAZ2A	08055C222KAZ2A	2200	50	10				4000	

Case Size	DIMENSIONS: mm			
	Length (L)	Width (W)	Termination (t)	
	0603	1.60±0.15	0.81±0.15	0.35±0.15
	0805	2.01±0.20	1.25±0.20	0.50±0.25
1206	3.20±0.20	1.60±0.20	0.50±0.25	
1210	3.20±0.20	2.50±0.20	0.50±0.25	

MOUSER STOCK NO.	AVX Part No.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
0805 Style (Cont.)									
581-08051C222KAZ2A	08051C222KAZ2A	2200	100	10				4000	
581-08051C222KAZ2A	08051C222KAZ2A	2200	100	10				4000	
581-08051C272KAZ2A	08051C272KAZ2A	2700	100	10				4000	
581-08055C332KAZ2A	08055C332KAZ2A	3300	50	10				4000	
581-08055C332KAZ2A	08055C332KAZ2A	3300	50	10				4000	
581-08051C332KAZ2A	08051C332KAZ2A	3300	100	10				4000	
581-08051C332KAZ2A	08051C332KAZ2A	3300	100	10				4000	
581-08051C392KAZ2A	08051C392KAZ2A	3900	100	10				4000	
581-0805ZC472JAZ2A	0805ZC472JAZ2A	4700	10	5				4000	
581-08053C472JAZ2A	08053C472JAZ2A	4700	25	5				4000	
581-08055C472KAZ2A	08055C472KAZ2A	4700	50	10				4000	
581-08051C472JAZ2A	08051C472JAZ2A	4700	100	5				4000	
581-08055C472JAZ2A	08055C472JAZ2A	4700	50	5				4000	
581-08051C472KAZ2A	08051C472KAZ2A	4700	100	10	</				

AVX SMD Flexitem™ Ceramic Capacitors



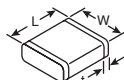
RoHS Compliant This product is RoHS compliant.

MLCC WITH SOFT TERMINATION (CONT.)

XR7 formulations are called "temperature stable" ceramics and fall into EIA Class II materials.

- Features:**
- Capacitance change is non-linear
 - Temperature Range: -55°C to +125°C

Case Size	DIMENSIONS: mm (in.)		
	Length (L)	Width (W)	Termination (t)
0603	1.60±0.15	0.81±0.15	0.35±0.15
0805	2.01±0.20	1.25±0.20	0.50±0.25
1206	3.20±0.20	1.60±0.20	0.50±0.25
1210	3.20±0.20	2.50±0.20	0.50±0.25



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
1206 Style (Cont.)									
581-12065C472KAZ2A	12065C472KAZ2A	4700	50	10				4000	
581-12061C472KAZ2A	12061C472KAZ2A	4700	100	10				4000	
581-12061C562KAZ2A	12061C562KAZ2A	5600	100	10				4000	
581-12061C822KAZ2A	12061C822KAZ2A	8200	100	10				4000	
581-12065C103KAZ2A	12065C103KAZ2A	10000	50	10				4000	
581-12061C103KAZ2A	12061C103KAZ2A	10000	100	10				4000	
581-12062C103KAZ2A	12062C103KAZ2A	10000	200	10				4000	
581-12065C153KAZ2A	12065C153KAZ2A	15000	50	10				4000	
581-12061C153KAZ2A	12061C153KAZ2A	15000	100	10				4000	
581-12065C223KAZ2A	12065C223KAZ2A	22000	50	10				4000	
581-12061C223KAZ2A	12061C223KAZ2A	22000	100	10				4000	
581-12065C333KAZ2A	12065C333KAZ2A	33000	50	10				4000	
581-12061C333KAZ2A	12061C333KAZ2A	33000	100	10				4000	
581-12065C473KAZ2A	12065C473KAZ2A	47000	50	10				4000	
581-12061C473JAZ2A	12061C473JAZ2A	47000	100	5				2000	
581-12061C473KAZ2A	12061C473KAZ2A	47000	100	10				2000	
581-12065C683KAZ2A	12065C683KAZ2A	68000	50	10				4000	
581-12061C104JAZ2A	12061C104JAZ2A	0.1µF	100	5				2000	
581-12065C154KAZ2A	12065C154KAZ2A	0.15µF	50	10				2000	
581-12063C224KAZ2A	12063C224KAZ2A	0.22µF	25	10				2000	
581-12065C224KAZ2A	12065C224KAZ2A	0.22µF	50	10				2000	
581-12065C224KAZ2A	12065C224KAZ2A	0.22µF	50	10				4000	
581-12061C224KAZ2A	12061C224KAZ2A	0.22µF	100	10				2000	
581-12063C334KAZ2A	12063C334KAZ2A	0.33µF	25	10				2000	
581-12065C334KAZ2A	12065C334KAZ2A	0.33µF	50	10				2000	
581-12061C334KAZ2A	12061C334KAZ2A	0.33µF	100	10				2000	
581-12063C474KAZ2A	12063C474KAZ2A	0.47µF	25	10				2000	
581-12065C474KAZ2A	12065C474KAZ2A	0.47µF	50	10				2000	
581-12063C684KAZ2A	12063C684KAZ2A	0.68µF	25	10				2000	
581-12063C824KAZ2A	12063C824KAZ2A	0.82µF	25	10				2000	
581-1206YC105KAZ2A	1206YC105KAZ2A	1µF	16	10				2000	
581-12063C105KAZ2A	12063C105KAZ2A	1µF	25	10				2000	
581-12065C105JAZ2A	12065C105JAZ2A	1µF	50	5				2000	
581-12065C105KAZ2A	12065C105KAZ2A	1µF	50	10				2000	
581-12061C105KAZ2A	12061C105KAZ2A	1µF	100	10				2000	
581-1206ZC225KAZ2A	1206ZC225KAZ2A	2.2µF	10	10				2000	
581-12063C225KAZ2A	12063C225KAZ2A	2.2µF	25	10				2000	
581-12063C225KAZ2A	12063C225KAZ2A	2.2µF	25	10				2000	
1210 Style									
581-12101C223KAZ2A	12101C223KAZ2A	22000	100	10				4000	
581-12101C473KAZ2A	12101C473KAZ2A	47000	100	10				4000	
581-12101C683KAZ2A	12101C683KAZ2A	68000	100	10				2000	
581-12101C823MAZ2A	12101C823MAZ2A	82000	100	20				4000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
1210 Style (Cont.)									
581-12103C104KAZ2A	12103C104KAZ2A	0.1µF	25	10				4000	
581-12105C104KAZ2A	12105C104KAZ2A	0.1µF	50	10				4000	
581-12101C104KAZ2A	12101C104KAZ2A	0.1µF	100	10				2000	
581-12101C154KAZ2A	12101C154KAZ2A	0.15µF	100	10				2000	
581-12103C224MAZ2A	12103C224MAZ2A	0.22µF	25	20				4000	
581-12105C224KAZ2A	12105C224KAZ2A	0.22µF	50	10				2000	
581-12105C224MAZ2A	12105C224MAZ2A	0.22µF	50	20				4000	
581-12101C224KAZ2A	12101C224KAZ2A	0.22µF	100	10				2000	
581-12105C334KAZ2A	12105C334KAZ2A	0.33µF	50	10				2000	
581-12101C334KAZ2A	12101C334KAZ2A	0.33µF	100	10				2000	
581-12105C474KAZ2A	12105C474KAZ2A	0.47µF	50	10				2000	
581-12101C474KAZ2A	12101C474KAZ2A	0.47µF	100	10				1000	
581-12101C684KAZ2A	12101C684KAZ2A	0.68µF	100	10				2000	
581-12103C105KAZ2A	12103C105KAZ2A	1µF	25	10				2000	
581-12105C105KAZ2A	12105C105KAZ2A	1µF	50	10				2000	
581-12101C105KAZ2A	12101C105KAZ2A	1µF	100	10				1000	
581-12101C105KAZ2A	12101C105KAZ2A	1µF	100	10				1000	
581-12103C225KAZ2A	12103C225KAZ2A	2.2µF	25	10				2000	
581-12105C225KAZ2A	12105C225KAZ2A	2.2µF	50	10				1000	
581-12101C225KAZ2A	12101C225KAZ2A	2.2µF	100	10				1000	
581-12105C335KAZ2A	12105C335KAZ2A	3.3µF	50	10				1000	
581-1210YC475KAZ2A	1210YC475KAZ2A	4.7µF	16	10				2000	
581-12105C475KAZ2A	12105C475KAZ2A	4.7µF	50	10				1000	
581-12105C475KAZ2A	12105C475KAZ2A	4.7µF	50	10				1000	
581-12105C475MAZ2A	12105C475MAZ2A	4.7µF	50	20				1000	
581-12103C106KAZ2A	12103C106KAZ2A	10µF	25	10				1000	
1812 Style									
581-18125C104KAZ2A	18125C104KAZ2A	0.1µF	50	10				1000	
581-18122C104KAZ2A	18122C104KAZ2A	0.1µF	200	10				1000	
581-18121C224KAZ2A	18121C224KAZ2A	0.22µF	100	10				1000	
581-18125C334KAZ2A	18125C334KAZ2A	0.33µF	50	10				1000	
581-18121C334KAZ2A	18121C334KAZ2A	0.33µF	100	10				1000	
581-18125C474KAZ2A	18125C474KAZ2A	0.47µF	50	10				1000	
581-18121C474KAZ2A	18121C474KAZ2A	0.47µF	100	10				1000	
581-18121C684KAZ2A	18121C684KAZ2A	0.68µF	100	10				1000	
581-18125C105KAZ2A	18125C105KAZ2A	1µF	50	10				1000	
581-18125C105MAZ2A	18125C105MAZ2A	1µF	50	20				1000	
581-18121C105KAZ2A	18121C105KAZ2A	1µF	100	10				1000	
581-18125C475KAZ2A	18125C475KAZ2A	4.7µF	50	10				500	
2220 Style									
581-22201C475KAZ2A	22201C475KAZ2A	4.7µF	100	10				500	
581-22205C106KAZ2A	22205C106KAZ2A	10µF	50	10				500	
581-22205C106KAZ2A	22205C106KAZ2A	10µF	50	10				500	

MLCC WITH HIGH VOLTAGE

- Features:**
- For 600V-3000V apps
 - Meet high value, low leakage, and small size performance characteristics
 - Temperature Range: -55°C to +125°C

For quantities greater than listed, call for quote.

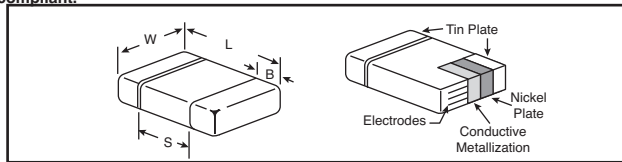
MOUSER STOCK NO.	AVX Part No.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
1206 Style									
581-1206GC101KAZ1A	1206GC101KAZ1A	100	2000	10				2000	
581-1206GC471KAZ1A	1206GC471KAZ1A	470	2000	10				2000	
581-1206GC102KAZ1A	1206GC102KAZ1A	1000	2000	10				2000	
581-1206AC472KAZ1A	1206AC472KAZ1A	4700	1000	10				2000	
581-1206AC682KAZ1A	1206AC682KAZ1A	6800	1000	10				2000	
581-1206CC103KAZ1A	1206CC103KAZ1A	10000	600	10				2000	
1210 Style									
581-1210GC102KAZ1A	1210GC102KAZ1A	1000	2000	10				2000	
581-1210GC332KAZ1A	1210GC332KAZ1A	3300	2000	10				2000	
581-1210SC562KAZ1A	1210SC562KAZ1A	5600	1500	10				2000	
581-1210AC103KAZ1A	1210AC103KAZ1A	10000	1000	10				2000	
1808 Style									
581-1808HC102KAZ1A	1808HC102KAZ1A	1000	3000	20				2000	
581-1808HC102MAZ1A	1808HC102MAZ1A	1000	3000	10				2000	
581-1808HC182KAZ1A	1808HC182KAZ1A	1800	3000	10				2000	
581-1808GC332KAZ1A	1808GC332KAZ1A	3300	2000	10				2000	
581-1808AC103KAZ1A	1808AC103KAZ1A	10000	1000	10				2000	
581-1808CC683KAZ1A	1808CC683KAZ1A	68000	600	10				2000	
1812 Style									
581-1812HC471KAZ1A	1812HC471KAZ1A	470	3000	10				1000	
581-1812HC102KAZ1A	1812HC102KAZ1A	1000	3000	10				1000	
581-1812HC102MAZ1A	1812HC102MAZ1A	1000	3000	20				1000	
581-1812HC222KAZ1A	1812HC222KAZ1A	2200	3000	10				1000	
581-1812HC272KAZ1A	1812HC272KAZ1A	2700	3000	10				1000	
581-1812HC332KAZ1A	1812HC332KAZ1A	3300	3000	10				1000	
581-1812HC392KAZ1A	1812HC392KAZ1A	3900	3000	10				1000	
581-1812GC472KAZ1A	1812GC472KAZ1A	4700	2000	10				1000	
581-1812GC822KAZ1A	1812GC822KAZ1A	8200	2000	10				1000	
581-1812AC103KAZ1A	1812AC103KAZ1A	10000	1000	10				1000	
581-1812CC123KAZ1A	1812CC123KAZ1A	12000	600	10				1000	
581-1812AC273KAZ1A	1812AC273KAZ1A	27000	1000	10				1000	
581-1812CC473KAZ1A	1812CC473KAZ1A	47000	600	10				1000	
581-1812CC104KAZ1A	1812CC								

KEMET High Temperature Ceramic Chip Capacitors

The Capacitance Company
KEMET
CHARGED™

RoHS Compliant This product is RoHS compliant.

EIA Size Code	Metric Size Code	DIMENSIONS: mm (in.)			
		L (Length)	W (Width)	B (Bandwidth)	S Min. (Separation)
0402	1005	1.0 (.04) ± .05 (.002)	0.5 (.02) ± .05 (.002)	0.30 (.12) ± .10 (.004)	0.3 (.012)
0603	1608	1.6 (.063) ± .15 (.006)	0.8 (.032) ± .15 (.006)	0.35 (.014) ± .15 (.006)	.07 (.028)
0805	2012	2.0 (.079) ± .20 (.008)	1.25 (.049) ± .20 (.008)	0.50 (.020) ± .25 (.010)	.075 (.030)
1206	3216	3.2 (.126) ± .20 (.008)	1.6 (.063) ± .20 (.008)	0.50 (.020) ± .25 (.010)	N/A
1210	3225	3.2 (.126) ± .20 (.008)	2.5 (.098) ± .20 (.008)	0.50 (.020) ± .25 (.010)	N/A
1812	4532	4.5 (.177) ± .30 (.012)	3.2 (.126) ± .30 (.012)	0.60 (.024) ± .35 (.014)	N/A



KEMET HIGH TEMPERATURE 200°C COG MLCC

KEMET's New High Temperature Surface Mount COG MLCCs feature a robust and proprietary base metal dielectric system that offers industry-leading performance relative to capacitance and case size combined with capacitance stability at extreme temperatures up to +200°C. This new platform promotes downsizing opportunities of existing High Temperature COG technology, and offers replacement opportunities of existing X7R/BX/BR technologies.

Benefits and Features:

- No piezoelectric properties
- Extremely low ESR and ESL
- High thermal stability
- High ripple current capability
- Preferred capacitance solution at line frequencies and into the MHz range
- No capacitance change with respect to applied rated DC voltage
- No capacitance change with respect to temperature from -55°C to +200°C
- No capacitance decay with time
- Non - polar device

Applications:

- Typical applications include timing, tuning, decoupling, by-pass, filtering, transient voltage suppression, blocking and energy storage for use in extreme environments coupled with down-hole exploration, aerospace engine compartments and geophysical probes

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Case Size	Value (pF)	Volt (DC)	Tolerance ±	Price Each			Reel Qty.	Price Per Piece
						1	50	100		
80-C0402H101J5G	C0402H101J5GACTU	0402	100	50	5%				10000	
80-C0402H102J5G	C0402H102J5GACTU	0402	1000	50	5%				10000	
80-C0402H152J3G	C0402H152J3GACTU	0402	1500	25	5%				10000	
80-C0603H103J3G	C0603H103J3GACT500	0603	10000	25	5%				500	
80-C0805H103J1G	C0805H103J1GACT500	0805	10000	100	5%				500	
80-C0805H103J5G	C0805H103J5GACT500	0805	10000	500	5%				500	
80-C0805H333J4G	C0805H333J4GACT500	0805	33000	16	5%				500	
80-C1206H103J5G	C1206H103J5GACT500	1206	10000	50	5%				500	
80-C1206H103J1G	C1206H103J1GACT500	1206	10000	100	5%				500	
80-C1206H473J5G	C1206H473J5GACT500	1206	47000	50	5%				500	
80-C1206H473J1G	C1206H473J1GACT500	1206	47000	100	5%				500	
80-C1206H104J3G	C1206H104J3GACT500	1206	0.1uF	25	5%				500	
80-C1210H104J5G	C1210H104J5GACT500	1210	0.1uF	50	5%				500	
80-C1210H104J1G	C1210H104J1GACT500	1210	0.1uF	100	5%				500	
80-C1812H104J5G	C1812H104J5GACT500	1812	0.1uF	50	5%				500	
80-C1812H104J1G	C1812H104J1GACT500	1812	0.1uF	100	5%				500	
80-C1812H224J5G	C1812H224J5GACT500	1812	0.22uF	50	5%				500	

Flexible Termination, SMD KEMET

KEMET 150° HIGH TEMPERATURE X8L DIELECTRIC STANDARD AND FLEXIBLE TERMINATION

KEMET's X8L Dielectric offers an operating temperature range from -55°C to +150°C with capacitance shift limited to ±15% from -55°C to +125°C and +15, -40% from 125°C to 150°C. Product applications include harsh environments such as Down Hole (Oil Exploration), Automotive (Under Hood), Military and Aerospace.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Case Size	Value (pF)	Volt (DC)	Tolerance ±	Price Each			Reel Qty.	Price Per Piece
						1	50	100		
Standard										
80-C0402C473J8N	C0402C473J8NACTU	0402	47000	10	5%				10000	
80-C0603C224J8N	C0603C224J8NACTU	0603	0.22uF	10	5%				4000	
80-C0603C473K5N	C0603C473K5NACTU	0603	47000	50	10%				4000	
80-C0805C224J5N	C0805C224J5NACTU	0805	0.22uF	50	5%				4000	
80-C0805C334K3N	C0805C334K3NACTU	0805	0.33uF	25	10%				4000	
80-C0805C684J3N	C0805C684J3NACTU	0805	0.68uF	25	5%				2500	
80-C0805C105J8N	C0805C105J8NACTU	0805	1.0uF	10	5%				2500	
80-C1206C474J5N	C1206C474J5NACTU	1206	0.47uF	50	5%				2000	
80-C1206C474K3N	C1206C474K3NACTU	1206	0.47uF	25	10%				2000	
80-C1206C475J8N	C1206C475J8NACTU	1206	4.7uF	10	5%				2000	
80-C1210C105J5N	C1210C105J5NACTU	1210	1.0uF	50	5%				2000	
80-C1210C475J3N	C1210C475J3NACTU	1210	4.7uF	25	5%				1000	
80-C1210C106J8N	C1210C106J8NACTU	1210	10uF	10	5%				1000	
Flexible Termination										
80-C0603X473K5NACTU	C0603X473K5NACTU	0603	.047uF	50	10%				4000	
80-C0603X154K3NACTU	C0603X154K3NACTU	0603	0.15uF	25	10%				4000	
80-C0805X224J3NACTU	C0805X224J3NACTU	0805	0.22uF	10	5%				4000	
80-C0805X474K3NACTU	C0805X474K3NACTU	0805	0.47uF	25	10%				2500	
80-C0805X105K8NACTU	C0805X105K8NACTU	0805	1uF	10	10%				2500	
80-C1206X105K3NACTU	C1206X105K3NACTU	1206	1uF	25	10%				2500	
80-C1206X155K8NACTU	C1206X155K8NACTU	1206	1.5uF	10	10%				2000	
80-C1210X105K5NACTU	C1210X105K5NACTU	1210	1.5uF	50	10%				2000	
80-C1210X225K3NACTU	C1210X225K3NACTU	1210	2.2uF	25	10%				2500	
80-C1210X335K3NACTU	C1210X335K3NACTU	1210	2.3uF	25	10%				2000	
80-C1210X475K3NACTU	C1210X475K3NACTU	1210	4.7uF	25	10%				1000	

KEMET 150° ULTRA STABLE X8R DIELECTRIC

KEMET's Ultra Stable X8R Dielectric features a 150°C maximum operating temperature, offering the latest in high temperature dielectric technology and therefore a reliable choice for extreme temperature applications. It offers the same temperature capability as conventional X8R, but without the capacitance loss due to applied DC voltage. Ultra Stable X8R exhibits no capacitance loss and is a suitable replacement for higher capacitance and larger footprint devices that fail to offer capacitance stability. Product applications include harsh environments such as Down Hole (Oil Exploration), Automotive (Under Hood), Military and Aerospace.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Case Size	Value (pF)	Volt (DC)	Tolerance ±	Price Each			Reel Qty.	Price Per Piece
						1	50	100		
80-C0402C102J5H	C0402C102J5HACTU	0402	1000	50	5%				10000	
80-C0402C102K5H	C0402C102K5HACTU	0402	1000	50	10%				10000	
80-C0603C102K5H	C0603C102K5HACTU	0603	1000	50	10%				4000	
80-C0603C222K5H	C0603C222K5HACTU	0603	2200	50	10%				4000	
80-C0603C472J1H	C0603C472J1HACTU	0603	4700	100	5%				4000	
80-C0603C472K5H	C0603C472K5HACTU	0603	4700	50	10%				4000	
80-C0603C103J3H	C0603C103J3HACTU	0603	10000	25	5%				4000	
80-C0603C103K3H	C0603C103K3HACTU	0603	10000	25	10%				4000	
80-C0805C103K5H	C0805C103K5HACTU	0805	10000	50	10%				4000	
80-C0805C153J1H	C0805C153J1HACTU	0805	15000	100	5%				2500	
80-C0805C223J5H	C0805C223J5HACTU	0805	22000	50	5%				2500	
80-C0805C333J3H	C0805C333J3HACTU	0805	33000	25	5%				2500	
80-C1206C103K5H	C1206C103K5HACTU	1206	10000	50	10%				4000	
80-C1206C473J1H	C1206C473J1HACTU	1206	47000	100	5%				2000	
80-C1206C104J3H	C1206C104J3HACTU	1206	100000	25	5%				2000	
80-C1206C104K3H	C1206C104K3HACTU	1206	100000	25	10%				2000	
80-C1210C104J1H	C1210C104J1HACTU	1210	100000	100	5%				2000	
80-C1812C224J5H	C1812C224J5HACTU	1812	220000	50	5%				1000	

KEMET Ceramic Capacitors

The Capacitance Company



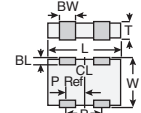
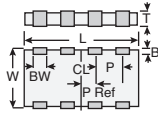
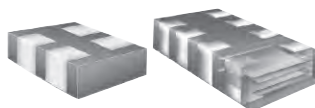
SMD MLCC CAPACITOR ARRAY, COG & X7R

This product is RoHS compliant.

Kemet's Ceramic Chip Capacitor Array in X7R and COG dielectric is an advanced passive technology where multiple capacitor elements are integrated into one common monolithic structure. Array technology promotes reduced placement costs and increased throughput.

Features:

- Operating Temperature Range: -55°C to +125°C
- Saves both circuit board and inventory space
- Reduces placement costs and increases throughput
- Non-polar device, minimizing installation concerns
- Flexible termination option is standard on 0508 case size array



EIA Size Code	Metric Size Code	DIMENSIONS: mm (in.)						
		L (Length)	W (Width)	BW (Bandwidth)	BL (Bandlength)	T (Thickness)	P (Pitch)	P/2 (Reference)
0508	1220	1.30(.051)±0.15(.006)	2.10(.083)±0.15(.006)	0.53(.021)±0.08(.003)	0.30(.012)±0.20(.008)	0.80±0.10	1.00(.039)	0.50(.20)±0.10(.004)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Case Size	Value (pF)	Voltage	Dielectric	Price Each					Reel Qty.	Price Per Piece
						1	50	100	500	1000		
80-CA052X101J1G	CA052X101J1GACTU	0508	100	100	COG						4000	
80-CA052X102K1G	CA052X102K1GACTU	0508	1000	100	COG						4000	
80-CA052X103K5R	CA052X103K5RACTU	0508	2200	50	X7R						4000	
80-CA052X222K1G	CA052X222K1GACTU	0508	2200	100	COG						4000	
80-CA052X472K5R	CA052X472K5RACTU	0508	4700	50	X7R						4000	
80-CA052X153K5R	CA052X153K5RACTU	0508	15000	50	X7R						4000	
80-CA052X223K5R	CA052X223K5RACTU	0508	22000	50	X7R						4000	
80-CA052X333K5R	CA052X333K5RACTU	0508	33000	50	X7R						4000	
80-CA052X473K5R	CA052X473K5RACTU	0508	47000	50	X7R						4000	
80-CA052X683K5R	CA052X683K5RACTU	0508	68000	50	X7R						4000	
80-CA052X104K5R	CA052X104K5RACTU	0508	0.10uF	50	X7R						4000	
80-CA052X224K8R	CA052X224K8RACTU	0508	0.22uF	10	X7R						4000	



FAIL-SAFE FLOATING ELECTRODE MLCC WITH FLEXIBLE TERMINATION FF-CAP

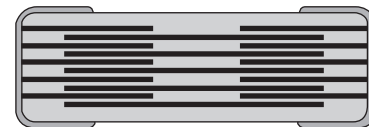
The FF-CAP incorporates two existing KEMET technologies; Floating Electrode (cascading electrode design) and Flexible Termination. The floating electrode component of these capacitors yields improved voltage and ESD performance over standard designs, and also mitigates the risk of low IR or short circuit failures associated with mechanical flex cracks. The flexible termination component incorporates a measure of flexibility to the capacitor, shifting flex stress away from the ceramic body and into the termination area. The combination of these technologies ensures an increased measure of protection from board flex, offering up to 5mm of flex-bend capability. This provides for an enhanced level of mechanical flex crack protection for low to mid capacitance part types.

FF-CAPs technology combination will ensure an increased measure of protection from board flex, offering up to 5mm of flex-bend capability. This provides customers an enhanced level of mechanical flex crack protection for low- to mid-capacitance part types and complements KEMET's current Open Mode, Floating Electrode and Flexible Termination technologies. In addition, the new product meets the requirements of the Automotive Electronics Council's AEC-Q200-Rev C and is being offered with 100 percent pure matte tin-plated terminations that allow for excellent solderability.

Features:

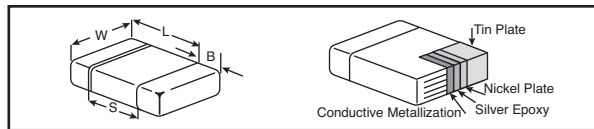
- Operating range: -55°C to +125°C with no-bias capacitance shift limited to ±1.5% over that range
- Insulation resistance (IR) measured after 2 minutes at rated voltage @ 25°C: Limit is 1,000 megohm microfarads or 100 gigohm, whichever is less
- Capacitance and dissipation factor (DF) measured at 1kHz and 1 Vrms

DF Limits are:	
50 - 250 Volts	2.5%
16 - 25 Volts	3.5%
6.3 - 10 Volts	5.0%



EIA Size Code	Metric Size Code	DIMENSIONS: mm (in.)				S (Separation)
		L (Length)	W (Width)	B (Bandwidth)		
0603	1608	1.8 (.071) ± 0.15 (.006)	0.8 (.032) ± 0.15 (.006)	0.35 (.014) ± 0.15 (.010)	0.70 (.028)	
0805	2012	2.2 (.087) ± 0.20 (.008)	1.25 (.049) ± 0.20 (.008)	0.05 (.02) ± 0.25 (.010)	0.75 (.030)	
1206	3216	3.4 (.134) ± 0.20 (.008)	1.6 (.063) ± 0.20 (.008)	0.50 (.02) ± 0.25 (.010)	N/A	
1210	3225	3.4 (.134) ± 0.20 (.008)	2.5 (.098) ± 0.20 (.008)	0.50 (.02) ± 0.25 (.010)	N/A	

For quantities greater than listed, call for quote.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt.	Price Each					
				1	50	100	500	1000	4000
Style 0603									
80-C0603Y221K5R	C0603Y221K5RACTU	220	50						
80-C0603Y221K1R	C0603Y221K1RACTU	220	100						
80-C0603Y331K5R	C0603Y331K5RACTU	330	50						
80-C0603Y331K1R	C0603Y331K1RACTU	330	100						
80-C0603Y471K5R	C0603Y471K5RACTU	470	50						
80-C0603Y471K1R	C0603Y471K1RACTU	470	100						
80-C0603Y561K5R	C0603Y561K5RACTU	560	50						
80-C0603Y681K3R	C0603Y681K3RACTU	680	25						
80-C0603Y681K5R	C0603Y681K5RACTU	680	50						
80-C0603Y821K5R	C0603Y821K5RACTU	820	50						
80-C0603Y102K4R	C0603Y102K4RACTU	1000	16						
80-C0603Y102K3R	C0603Y102K3RACTU	1000	25						
80-C0603Y102K5R	C0603Y102K5RACTU	1000	50						
80-C0603Y102K1R	C0603Y102K1RACTU	1000	100						
80-C0603Y102K2R	C0603Y102K2RACTU	1000	200						
80-C0603Y122K5R	C0603Y122K5RACTU	1200	50						
80-C0603Y152K5R	C0603Y152K5RACTU	1500	50						
80-C0603Y152K1R	C0603Y152K1RACTU	1500	100						
80-C0603Y182K5R	C0603Y182K5RACTU	1800	50						
80-C0603Y182K1R	C0603Y182K1RACTU	1800	100						
80-C0603Y222K3R	C0603Y222K3RACTU	2200	25						
80-C0603Y222K5R	C0603Y222K5RACTU	2200	50						
80-C0603Y222K1R	C0603Y222K1RACTU	2200	100						
80-C0603Y272K5R	C0603Y272K5RACTU	2700	50						
80-C0603Y272K1R	C0603Y272K1RACTU	2700	100						
80-C0603Y332K5R	C0603Y332K5RACTU	3300	50						
80-C0603Y392K5R	C0603Y392K5RACTU	3900	50						
80-C0603Y472K4R	C0603Y472K4RACTU	4700	16						
80-C0603Y472K5R	C0603Y472K5RACTU	4700	50						
80-C0603Y562K5R	C0603Y562K5RACTU	5600	50						
80-C0603Y682K5R	C0603Y682K5RACTU	6800	50						
80-C0603Y822K5R	C0603Y822K5RACTU	8200	50						
80-C0603Y103K4R	C0603Y103K4RACTU	10000	16						
80-C0603Y103K3R	C0603Y103K3RACTU	10000	25						
80-C0603Y103K5R	C0603Y103K5RACTU	10000	50						
80-C0603Y153K3R	C0603Y153K3RACTU	15000	25						
80-C0603Y153K5R	C0603Y153K5RACTU	15000	50						
80-C0603Y183K3R	C0603Y183K3RACTU	18000	25						
80-C0603Y223K4R	C0603Y223K4RACTU	22000	16						
80-C0603Y223K3R	C0603Y223K3RACTU	22000	25						
80-C0603Y223K5R	C0603Y223K5RACTU	22000	50						
Style 0805									
80-C0805Y221K5R	C0805Y221K5RACTU	220	50						
80-C0805Y221K2R	C0805Y221K2RACTU	220	200						
80-C0805Y471K5R	C0805Y471K5RACTU	470	50						
80-C0805Y471K1R	C0805Y471K1RACTU	470	100						

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt.	Price Each					
				1	50	100	500	1000	4000
Style 0805 (Cont.)									
80-C0805Y102K5R	C0805Y102K5RACTU	1000	50						
80-C0805Y102K1R	C0805Y102K1RACTU	1000	100						
80-C0805Y102K2R	C0805Y102K2RACTU	1000	200						
80-C0805Y222K5R	C0805Y222K5RACTU	2200	50						
80-C0805Y222K1R	C0805Y222K1RACTU	2200	100						
80-C0805Y222K2R	C0805Y222K2RACTU	2200	200						
80-C0805Y332K5R	C0805Y332K5RACTU	3300	50						
80-C0805Y472K5R	C0805Y472K5RACTU	4700	50						
80-C0805Y472K1R	C0805Y472K1RACTU	4700	100						
80-C0805Y472K2R	C0805Y472K2RACTU	4700	200						
80-C0805Y682K5R	C0805Y682K5RACTU	6800	50						
80-C0805Y103K5R	C0805Y103K5RACTU	10000	50						
80-C0805Y103K1R	C0805Y103K1RACTU	10000	100						
80-C0805Y123K1R	C0805Y123K1RACTU	12000	100						
80-C0805Y153K5R	C0805Y153K5RACTU	15000	50						
80-C0805Y183K5R	C0805Y183K5RACTU	18000	50						
80-C0805Y223K5R	C0805Y223K5RACTU	22000	50						
80-C0805Y223K1R	C0805Y223K1RACTU	22000	100						
80-C0805Y273K5R	C0805Y273K5RACTU	27000	50						
80-C0805Y333K5R	C0805Y333K5RACTU	33000	50						
80-C0805Y473K5R	C0805Y473K5RACTU	47000	50						
Style 1206									
80-C1206Y102K5R	C1206Y102K5RACTU	1000	50						
80-C1206Y102K1R	C1206Y102K1RACTU	1000	100						
80-C1206Y102K2R	C1206Y102K2RACTU	1000	200						
80-C1206Y222K1R	C1206Y222K1RACTU	2200	100						
80-C1206Y222K2R	C1206Y222K2RACTU	2200	200						
80-C1206Y332K5R	C1206Y332K5RACTU	3300	50						
80-C1206Y472K5R	C1206Y472K5RACTU	4700	50						
80-C1206Y103K5R	C1206Y103K5RACTU	10000	50						
80-C1206Y103K1R	C1206Y103K1RACTU	10000	100						
80-C1206Y103K2R	C1206Y103K2RACTU	10000	200						
80-C1206Y153K2R	C1206Y153K2RACTU	15000	200						
80-C1206Y223K5R	C1206Y223K5RACTU	22000	50						
80-C1206Y223K1R	C1206Y223K1RACTU	22000	100						
80-C1206Y223K2R	C1206Y223K2RACTU	22000	200						
80-C1206Y333K5R	C1206Y333K5RACTU	33000	50						
80-C1206Y473K5R	C1206Y473K5RACTU	47000	50						
80-C1206Y473K1R	C1206Y473K1RACTU	47000	100						
80-C1206Y104K3R	C1206Y104K3RACTU	100000	25						
80-C1206Y104K5R	C1206Y104K5RACTU	100000	50						
Style 1210									
80-C1210Y333K2R	C1210Y333K2RACTU	33000	200						
80-C1210Y104K5R	C1210Y104K5RACTU	100000	50						
80-C1210Y104K1R	C1210Y104K1RACTU	100000	100						
80-C1210Y224K5R	C1210Y224K5RACTU	220000	50						

KEMET Flexible Termination, SMD

KEMET Ceramic Capacitors

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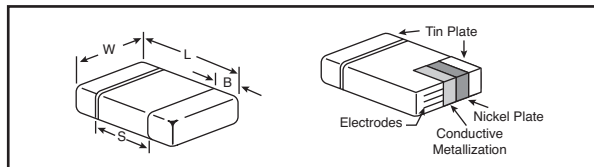
FAIL-SAFE FLOATING ELECTRODE MLCC/FE-CAP

This product is RoHS compliant.

The FE-CAP is a surface mount multilayer ceramic capacitor which utilizes a floating internal electrode design, wherein the electrodes are configured to form multiple capacitors in series within a single MLCC package. This not only yields improved voltage and ESD performance over standard designs, but also mitigates the risk of low-IR or short-circuits failures that can occur due to board flex. The FE-CAP is being offered in case sizes ranging from EIA 0402 to EIA 1812 with rated voltages ranging from 6.3VDC to 250VDC. Combined with the stability of an X7R dielectric, the FE-CAP offers a flex-robust solution at low to mid-range capacitance values and an operating temperature range of -55°C to +125°C with zero bias capacitance shift limited to ±1% over that range. These components are widely used in critical application where mechanical stress is a concern. When flexed to mechanical failure the floating electrode design of the FE-CAP eliminates the current path between positive and negative poles. Absence of this current path reduces the probability of a short-circuit condition. All FE-CAP products meet the requirements of the Automotive Electronics Council's AEC-Q200-Rev C and come with 100% pure matte, tin-plated terminations for superior solderability. All parts are environmentally friendly, in compliance with RoHS legislation and are capable of Pb-free reflow profiles.



EIA Size Code	Metric Size Code	DIMENSIONS: mm (in.)			
		L (Length)	W (Width)	B (Bandwidth)	S (Separation)
0402	1005	1.0 (.04) ± 0.05 (.002)	0.5 (.02) ± 0.05 (.002)	0.20 (.008) - 0.40 (.016)	0.30 (.012)
0603	1608	1.6 (.063) ± 0.15 (.006)	0.8 (.032) ± 0.15 (.006)	0.35 (.014) ± 0.15 (.006)	0.70 (.028)
0805	2012	2.0 (.079) ± 0.20 (.008)	1.25 (.049) ± 0.20 (.008)	0.05 (.02) ± 0.25 (.010)	0.75 (.030)
1206	3216	3.2 (.126) ± 0.20 (.008)	1.6 (.063) ± 0.20 (.008)	0.50 (.02) ± .25 (.010)	N/A
1210	3225	3.2 (.126) ± 0.20 (.008)	2.5 (.098) ± 0.20 (.008)	0.50 (.02) ± .25 (.010)	N/A
1812	4532	4.5 (.177) ± 0.30 (.012)	3.2 (.126) ± 0.30 (.012)	0.60 (.024) ± .35 (.014)	N/A



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt.	Tol. (+/-)	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
0402									
80-C0402S221K3R	C0402S221K3RACTU	220	25	10				10000	
80-C0402S221K5R	C0402S221K5RACTU	220	50	10				10000	
80-C0402S391K5R	C0402S391K5RACTU	390	50	10				10000	
80-C0402S471K4R	C0402S471K4RACTU	470	16	10				10000	
80-C0402S471K5R	C0402S471K5RACTU	470	50	10				10000	
80-C0402S561K4R	C0402S561K4RACTU	560	16	10				10000	
80-C0402S821K4R	C0402S821K4RACTU	820	16	10				10000	
80-C0402S821K5R	C0402S821K5RACTU	820	50	10				10000	
80-C0402S102K4R	C0402S102K4RACTU	1000	16	10				10000	
80-C0402S102K3R	C0402S102K3RACTU	1000	25	10				10000	
80-C0402S102K5R	C0402S102K5RACTU	1000	50	10				10000	
0603									
80-C0603S221K5R	C0603S221K5RACTU	220	50	10				4000	
80-C0603S221K1R	C0603S221K1RACTU	220	100	10				4000	
80-C0603S331J5R	C0603S331J5RACTU	330	50	5				4000	
80-C0603S331K5R	C0603S331K5RACTU	330	50	10				4000	
80-C0603S471K5R	C0603S471K5RACTU	470	50	10				4000	
80-C0603S471K1R	C0603S471K1RACTU	470	100	10				4000	
80-C0603S561K5R	C0603S561K5RACTU	560	50	10				4000	
80-C0603S681K3R	C0603S681K3RACTU	680	25	10				4000	
80-C0603S681K5R	C0603S681K5RACTU	680	50	10				4000	
80-C0603S821K5R	C0603S821K5RACTU	820	50	10				4000	
80-C0603S102K4R	C0603S102K4RACTU	1000	16	10				4000	
80-C0603S102K3R	C0603S102K3RACTU	1000	25	10				4000	
80-C0603S102J5R	C0603S102J5RACTU	1000	50	5				4000	
80-C0603S102K5R	C0603S102K5RACTU	1000	50	10				4000	
80-C0603S102K1R	C0603S102K1RACTU	1000	100	10				4000	
80-C0603S102K2R	C0603S102K2RACTU	1000	200	10				4000	
80-C0603S122K5R	C0603S122K5RACTU	1200	50	10				4000	
80-C0603S152K5R	C0603S152K5RACTU	1500	50	10				4000	
80-C0603S152K1R	C0603S152K1RACTU	1500	100	10				4000	
80-C0603S182K5R	C0603S182K5RACTU	1800	50	10				4000	
80-C0603S182K1R	C0603S182K1RACTU	1800	100	10				4000	
80-C0603S222K3R	C0603S222K3RACTU	2200	25	10				4000	
80-C0603S222J5R	C0603S222J5RACTU	2200	50	5				4000	
80-C0603S222K5R	C0603S222K5RACTU	2200	50	10				4000	
80-C0603S222K1R	C0603S222K1RACTU	2200	100	10				4000	
80-C0603S272K5R	C0603S272K5RACTU	2700	50	10				4000	
80-C0603S272K1R	C0603S272K1RACTU	2700	100	10				4000	
80-C0603S332K5R	C0603S332K5RACTU	3300	50	10				4000	
80-C0603S392K5R	C0603S392K5RACTU	3900	50	10				4000	
80-C0603S472K3R	C0603S472K3RACTU	4700	25	10				4000	
80-C0603S472J5R	C0603S472J5RACTU	4700	50	5				4000	
80-C0603S472K5R	C0603S472K5RACTU	4700	50	10				4000	
80-C0603S562K5R	C0603S562K5RACTU	5600	50	10				4000	
80-C0603S682K5R	C0603S682K5RACTU	6800	50	10				4000	
80-C0603S822K5R	C0603S822K5RACTU	8200	50	10				4000	
80-C0603S103K4R	C0603S103K4RACTU	10000	16	10				4000	
80-C0603S103K3R	C0603S103K3RACTU	10000	25	10				4000	
80-C0603S103M3R	C0603S103M3RACTU	10000	25	20				4000	
80-C0603S103J5R	C0603S103J5RACTU	10000	50	5				4000	
80-C0603S103K5R	C0603S103K5RACTU	10000	50	10				4000	
80-C0603S103M5R	C0603S103M5RACTU	10000	50	20				4000	
80-C0603S153K3R	C0603S153K3RACTU	15000	25	10				4000	
80-C0603S153K5R	C0603S153K5RACTU	15000	50	10				4000	
80-C0603S183K3R	C0603S183K3RACTU	18000	25	10				4000	
80-C0603S223K4R	C0603S223K4RACTU	22000	16	10				4000	
80-C0603S223J3R	C0603S223J3RACTU	22000	25	5				4000	
80-C0603S223K3R	C0603S223K3RACTU	22000	25	10				4000	
80-C0603S223K5R	C0603S223K5RACTU	22000	50	10				4000	
0805									
80-C0805S221K5R	C0805S221K5RACTU	220	50	10				4000	
80-C0805S221K2R	C0805S221K2RACTU	220	200	10				4000	
80-C0805S471J5R	C0805S471J5RACTU	470	50	5				4000	
80-C0805S471K5R	C0805S471K5RACTU	470	50	10				4000	
80-C0805S471K1R	C0805S471K1RACTU	470	100	10				4000	
80-C0805S102K5R	C0805S102K5RACTU	1000	50	10				4000	
80-C0805S102M5R	C0805S102M5RACTU	1000	50	20				4000	
0805 (cont.)									
80-C0805S102K1R	C0805S102K1RACTU	1000	100	10				4000	
80-C0805S102K2R	C0805S102K2RACTU	1000	200	10				4000	
80-C0805S102M2R	C0805S102M2RACTU	1000	200	20				4000	
80-C0805S152K5R	C0805S152K5RACTU	1500	50	10				4000	
80-C0805S222K5R	C0805S222K5RACTU	2200	50	10				4000	
80-C0805S222K1R	C0805S222K1RACTU	2200	100	10				4000	
80-C0805S222K2R	C0805S222K2RACTU	2200	200	10				4000	
80-C0805S332K5R	C0805S332K5RACTU	3300	50	10				4000	
80-C0805S472J5R	C0805S472J5RACTU	4700	50	5				4000	
80-C0805S472K5R	C0805S472K5RACTU	4700	50	10				4000	
80-C0805S472K1R	C0805S472K1RACTU	4700	100	10				4000	
80-C0805S472K2R	C0805S472K2RACTU	4700	200	10				4000	
80-C0805S682K5R	C0805S682K5RACTU	6800	50	10				4000	
80-C0805S103J5R	C0805S103J5RACTU	10000	50	5				4000	
80-C0805S103K5R	C0805S103K5RACTU	10000	50	10				4000	
80-C0805S103M5R	C0805S103M5RACTU	10000	50	20				4000	
80-C0805S103K1R	C0805S103K1RACTU	10000	100	10				4000	
80-C0805S103M1R	C0805S103M1RACTU	10000	100	20				4000	
80-C0805S123K1R	C0805S123K1RACTU	12000	100	10				4000	
80-C0805S123M1R	C0805S123M1RACTU	12000	100	20				4000	
80-C0805S153K4R	C0805S153K4RACTU	15000	16	10				4000	
80-C0805S153K5R	C0805S153K5RACTU	15000	50	10				4000	
80-C1206S153K2R	C1206S153K2RACTU	15000	200	10				4000	
80-C0805S223J5R	C0805S223J5RACTU	22000	50	5				4000	
80-C0805S223K5R	C0805S223K5RACTU	22000	50	10				4000	
80-C0805S223K1R	C0805S223K1RACTU	22000	100	10				4000	
80-C0805S273K5R	C0805S273K5RACTU	27000	50	10				4000	
80-C0805S333K5R	C0805S333K5RACTU	33000	50	10				4000	
80-C0805S473K5R	C0805S473K5RACTU	47000	50	10				4000	
80-C0805S473M5R	C0805S473M5RACTU	47000	50	20				4000	
1206									
80-C1206S102K5R	C1206S102K5RACTU	1000	50	10				4000	
80-C1206S102K1R	C1206S102K1RACTU	1000	100	10				4000	
80-C1206S102M1R	C1206S102M1RACTU	1000	100	20				4000	
80-C1206S102K2R	C1206S102K2RACTU	1000	200	10				4000	
80-C1206S222K1R	C1206S222K1RACTU	2200	100	10				4000	
80-C1206S222K2R	C1206S222K2RACTU	2200	200	10				4000	
80-C1206S332K5R	C1206S332K5RACTU	3300	50	10				4000	
80-C1206S472K5R	C1206S472K5RACTU	4700							

KEMET FT-CAP Flexible Termination MLCC Capacitors

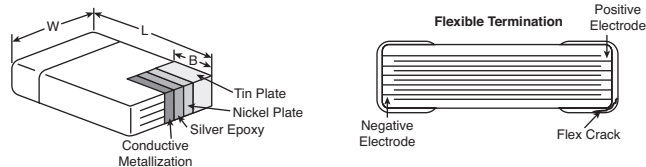
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FT-CAP FLEXIBLE TERMINATION MLCC, COG AND X7R



This product is RoHS compliant.

* High Voltage



The Flex Crack is moved into the end termination, away from the electrodes; significantly reducing the risk of short circuit failure due to flex.

KEMET Flexible Termination, SMD

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Price Each			Reel Qty.	Price Per Piece
				1	100	500		
Style 0603								
80-C0603X100J5G	C0603X100J5GACTU	10	50				4000	
80-C0603X120J5G	C0603X120J5GACTU	12	50				4000	
80-C0603X150J5G	C0603X150J5GACTU	15	50				4000	
80-C0603X180J5G	C0603X180J5GACTU	18	50				4000	
80-C0603X220J5G	C0603X220J5GACTU	22	50				4000	
80-C0603X270J5G	C0603X270J5GACTU	27	50				4000	
80-C0603X330J5G	C0603X330J5GACTU	33	50				4000	
80-C0603X390J5G	C0603X390J5GACTU	39	50				4000	
80-C0603X470J5G	C0603X470J5GACTU	47	50				4000	
80-C0603X470J1G	C0603X470J1GACTU	47	100				4000	
80-C0603X560J5G	C0603X560J5GACTU	56	50				4000	
80-C0603X680J5G	C0603X680J5GACTU	68	50				4000	
80-C0603X820J5G	C0603X820J5GACTU	82	50				4000	
80-C0603X101J5G	C0603X101J5GACTU	100	50				4000	
80-C0603X101J1G	C0603X101J1GACTU	100	100				4000	
80-C0603X121J5G	C0603X121J5GACTU	120	50				4000	
80-C0603X151J5G	C0603X151J5GACTU	150	50				4000	
80-C0603X181J5G	C0603X181J5GACTU	180	50				4000	
80-C0603X221J5G	C0603X221J5GACTU	220	50				4000	
80-C0603X271J5G	C0603X271J5GACTU	270	50				4000	
80-C0603X331J5G	C0603X331J5GACTU	330	50				4000	
80-C0603X391J5G	C0603X391J5GACTU	390	50				4000	
80-C0603X471J5G	C0603X471J5GACTU	470	50				4000	
80-C0603X681J5G	C0603X681J5GACTU	680	50				4000	
80-C0603X102J3G	C0603X102J3GACTU	1000	25				4000	
80-C0603X102J5G	C0603X102J5GACTU	1000	50				4000	
80-C0603X152J5G	C0603X152J5GACTU	1500	50				4000	
80-C0603X472J1G	C0603X472J1GACTU	4700	100				4000	
80-C0603X682J5G	C0603X682J5GACTU	6800	50				4000	
80-C0603X103J3G	C0603X103J3GACTU	10000	25				4000	
80-C0603X153J3G	C0603X153J3GACTU	15000	25				4000	
80-C0603X221M5R	C0603X221M5RACTU	220	50				4000	
80-C0603X471K5R	C0603X471K5RACTU	470	50				4000	
80-C0603X102K2R	C0603X102K2RACTU	1000	200				4000	
80-C0603X222K5R	C0603X222K5RACTU	2200	50				4000	
80-C0603X472K5R	C0603X472K5RACTU	4700	50				4000	
80-C0603X103K5R	C0603X103K5RACTU	10000	50				4000	
80-C0603X223K5R	C0603X223K5RACTU	22000	50				4000	
80-C0603X333K3R	C0603X333K3RACTU	33000	25				4000	
80-C0603X473K5R	C0603X473K5RACTU	47000	50				4000	
80-C0603X104K3R	C0603X104K3RACTU	0.1uF	25				4000	
80-C0603X104K5R	C0603X104K5RACTU	0.1uF	50				4000	
80-C0603X224K4R	C0603X224K4RACTU	0.22uF	16				4000	
Style 0805								
80-C0805X100J5G	C0805X100J5GACTU	10	50				4000	
80-C0805X150J5G	C0805X150J5GACTU	15	50				4000	
80-C0805X220J5G	C0805X220J5GACTU	22	50				4000	
80-C0805X330J5G	C0805X330J5GACTU	33	50				4000	
80-C0805X470J5G	C0805X470J5GACTU	47	50				4000	
80-C0805X470J1G	C0805X470J1GACTU	47	100				4000	
80-C0805X101J5G	C0805X101J5GACTU	100	50				4000	
80-C0805X101J1G	C0805X101J1GACTU	100	100				4000	
80-C0805X101J2G	C0805X101J2GACTU	100	200				4000	
80-C0805X151J5G	C0805X151J5GACTU	150	50				4000	
80-C0805X221J5G	C0805X221J5GACTU	220	50				4000	
80-C0805X221J1G	C0805X221J1GACTU	220	100				4000	
80-C0805X331J5G	C0805X331J5GACTU	330	50				4000	
80-C0805X471K5R	C0805X471K5RACTU	470	50				4000	
80-C0805X471J5G	C0805X471J5GACTU	470	50				4000	
80-C0805X102K2R	C0805X102K2RACTU	1000	200				4000	
80-C0805X102J5G	C0805X102J5GACTU	1000	50				4000	
80-C0805X102J1G	C0805X102J1GACTU	1000	100				4000	
80-C0805X152J5G	C0805X152J5GACTU	1500	50				4000	
80-C0805X222K5R	C0805X222K5RACTU	2200	50				4000	
80-C0805X222J5G	C0805X222J5GACTU	2200	50				4000	
* 80-C0805X332K5R	C0805X332K5RACTU	3300	50				4000	
* 80-C0805X472KBRCTU	C0805X472KBRCTU	4700	630				2500	
80-C0805X472KDRCTU	C0805X472KDRCTU	4700	1000				2500	
* 80-C0805X682KBRCTU	C0805X682KBRCTU	6800	630				2500	
* 80-C0805X822KBRCTU	C0805X822KBRCTU	8200	630				2500	
* 80-C0805X103K1R	C0805X103K1RACTU	10000	100				4000	
* 80-C0805X103KCRCTU	C0805X103KCRCTU	10000	500				2500	
80-C0805X103J5G	C0805X103J5GACTU	10000	50				4000	
* 80-C0805X123KCRCTU	C0805X123KCRCTU	12000	500				2500	
80-C0805X153J1G	C0805X153J1GACTU	15000	100				2500	
80-C0805X223K1R	C0805X223K1RACTU	22000	100				4000	
80-C0805X223J5G	C0805X223J5GACTU	22000	50				2500	
80-C0805X473K5R	C0805X473K5RACTU	47000	50				4000	
80-C0805X683K5R	C0805X683K5RACTU	68000	50				4000	
80-C0805X104K1R	C0805X104K1RACTU	0.1uF	100				2500	

DIMENSIONS: mm (in.)			
EIA Size Code	L (Length)	W (Width)	B (Bandwidth)
0603	1.6± (.063)	0.8± (.032)	0.35± (.014)
0805	2.0± (.079)	1.25± (.049)	0.05± (.02)
1206	3.2± (.126)	1.6± (.063)	0.50± (.02)
1210	3.2± (.126)	2.5± (.098)	0.50± (.02)
1808	4.70± (.185)	2.00± (.079)	0.70± (.028)
1812	4.50± (.178)	3.20± (.126)	0.70± (.028)
2220	5.90± (.232)	5.00± (.197)	0.70± (.028)

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Price Each			Reel Qty.	Price Per Piece
				1	100	500		
Style 805 (Cont.)								
80-C0805X224K5R	C0805X224K5RACTU	0.22uF	50				4000	
80-C0805X334K4R	C0805X334K4RACTU	0.33uF	16				2500	
80-C0805X474K5R	C0805X474K5RACTU	0.47uF	50				2500	
80-C0805X105K4R	C0805X105K4RACTU	1.0uF	16				2500	
80-C0805X225K4R	C0805X225K4RACTU	2.2uF	16				2500	
Style 1206								
80-C1206X102J5G	C1206X102J5GACTU	1000	50				4000	
80-C1206X102J2G	C1206X102J2GACTU	1000	200				4000	
80-C1206X102K5R	C1206X102K5RACTU	1000	50				4000	
80-C1206X222J5G	C1206X222J5GACTU	2200	50				4000	
80-C1206X562K5R	C1206X562K5RACTU	5600	50				4000	
80-C1206X103K2R	C1206X103K2RACTU	10000	200				4000	
80-C1206X183J1G	C1206X183J1GACTU	18000	100				4000	
80-C1206X223K5R	C1206X223K5RACTU	22000	50				4000	
* 80-C1206X223KDRCTU	C1206X223KDRCTU	22000	1000				2500	
* 80-C1206X333KBRCTU	C1206X333KBRCTU	33000	630				2500	
* 80-C1206X473KCRCTU	C1206X473KCRCTU	47000	500				2500	
* 80-C1206X683KCRCTU	C1206X683KCRCTU	68000	500				2500	
80-C1206X154M5R	C1206X154M5RACTU	0.15uF	50				4000	
80-C1206X154K1R	C1206X154K1RACTU	0.15uF	100				4000	
80-C1206X104K1R	C1206X104K1RACTU	0.1uF	100				4000	
80-C1206X224K1R	C1206X224K1RACTU	0.22uF	100				4000	
80-C1206X474K5R	C1206X474K5RACTU	0.47uF	50				4000	
80-C1206X105K3R	C1206X105K3RACTU	1.0uF	25				2000	
80-C1206X106K4R	C1206X106K4RACTU	10uF	16				2000	
80-C1206X225K4R	C1206X225K4RACTU	2.2uF	16				2000	
80-C1206X475K4R	C1206X475K4RACTU	4.7uF	16				2500	
Style 1210								
80-C1210X102J5G	C1210X102J5GACTU	1000	50				4000	
80-C1210X332J5G	C1210X332J5GACTU	3300	50				4000	
80-C1210X682J5G	C1210X682J5GACTU	6800	50				4000	
80-C1210X822J5G	C1210X822J5GACTU	8200	50				4000	
* 80-C1210X823KBRCTU	C1210X823KBRCTU	22000	630				2000	
* 80-C1210X333KDRCTU	C1210X333KDRCTU	33000	1000				2000	
* 80-C1210X473KDRCTU	C1210X473KDRCTU	47000	1000				2000	
* 80-C1210X104KCRCTU	C1210X104KCRCTU	0.1uF	500				2000	
80-C1210X104K2R	C1210X104K2RACTU	0.1uF	200				2500	
80-C1210X224K5R	C1210X224K5RACTU	0.22uF	50				4000	
80-C1210X334K5R	C1210X334K5RACTU	0.33uF	50				4000	
80-C1210X474K5R	C1210X474K5RACTU	0.47uF	50				4000	
80-C1210X105K5R	C1210X105K5RACTU	1.0uF	50				2000	
80-C1210X106M3R	C1210X106M3RACTU	10uF	25				1000	
80-C1210X225K5R	C1210X225K5RACTU	2.2uF	50				2500	
80-C1210X475K5R	C1210X475K5RACTU	4.7uF	50				1000	
Style 1808								
* 80-C1808X683KCRCTU	C1808X683KCRCTU	68000	500				1000	
* 80-C1808X683KDRCTU	C1808X683KDRCTU	68000	1000				1000	
* 80-C1808X104KBRCTU	C1808X104KBRCTU	0.1uF	630				1000	
Style 1812								
80-C1812X102J5G	C1812X102J5GACTU	1000	50				1000	
80-C1812X103J5G	C1812X103J5GACTU	10000	50				1000	
* 80-C1812X473KDRCTU	C1812X473KDRCTU	47000	1000				1000	
* 80-C1812X154KBRCTU	C1812X154KBRCTU	0.15uF	630				1000	
* 80-C1812X104KBRCTU	C1812X104KBRCTU	0.1uF	630				1000	
* 80-C1812X104KDRCTU	C1812X104KDRCTU	0.1uF	1000				1000	

KEMET SMD Ceramic Chip Capacitors Open-Mode Design

KEMET OPEN MODE DESIGN WITH FLEXIBLE TERMINATION

DIMENSIONS: mm (in.)

Style	L	W	B	Thickness
0805	2.10(.083) +.30(.012) / -.20(.008)	1.25(.049)±.20(.008)	.50(.02) +.10(.004) / -.25(.010)	90±10
1206	3.30(.130)±.40(.016)	1.60(.063)±.20(.008)	.60(.024)±.25(.010)	1.55±10
1210	3.30(.130)±.40(.016)	2.50(.098)±.20(.008)	.60(.024)±.25(.010)	
1812	3.30(.130)±.40(.016)	3.20(.126)±.30(.012)	.70(.028)±.35(.014)	

MOUSER STOCK NO.	Value (μF)	Volt (DC)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
				1	100	500		
Style 0805 - Temperature Coef. X7R								
80-C0805J104K5RACTU	0.1	50	10				4000	
Style 1206 - Temperature Coef. X7R								
80-C1206J225J4RACTU	0.22	16	5				2500	
Style 1210 - Temperature Coef. X7R								
80-C1210J105J3RACTU	1	25	5				2000	
Style 1812 - Temperature Coef. X7R								
80-C1812J105J1RACTU	1	100	5				1000	

KEMET OPEN MODE DESIGN CAPACITORS

KEMET's open-mode ceramic surface mount capacitor is designed to significantly minimize the probability of a low IR or short circuit condition when forced to failure in a board flex situation.

Application Note:

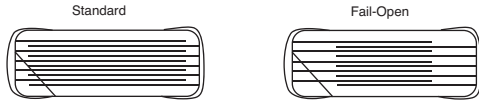
- Input side filtering (power plane/bus)
- High current applications (battery line)
- Circuits that cannot be fused to open when short circuits occur due to flex cracks

Features (Exceptions):

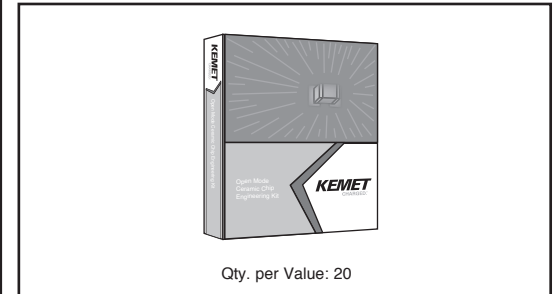
- 0805 thickness target: .9mm (104 cap code=1.25mm)
- 1206 thickness target: .9mm (474 and 105 cap code=1.6mm)
- 1210 thickness target: 100V (474 cap code=1.85mm)
50V, 104 cap code=95mm
50V, 474 cap code=1.25mm
50V, 684 cap code=1.55mm
- 1812 thickness target: 474 and 104, cap code=1mm
25V and 50V, 105 cap code=1.7mm
100V, 105 cap code=2.0mm
- Tolerance: 10%

Electrical:

- Operating range -55°C to 125°C



KEMET OPEN MODE CERAMIC CAPACITOR ENGINEERING KIT



MOUSER STOCK NO.	Case Size	Volt	Values (μF)	Price Each
		50	0.01, 0.047, 0.1, 0.22, 0.47	
		100	0.022	
	1206	50	0.22, 1.0	
		100	0.1	
	1210	50	1	

DIMENSIONS: mm (in.)

Style	L	W	B	S
0805	2.0(.079)±.20(.008)	1.25(.049)±.20(.008)	0.5(.02)±.25(.010)	.75(.030)
1206	3.2(.126)±.20(.008)	1.6(.063)±.20(.008)	0.5(.02)±.25(.010)	N/A
1210	3.2(.126)±.20(.008)	2.5(.098)±.20(.008)	0.5(.02)±.25(.010)	N/A
1812	4.5(.177)±.30(.012)	3.2(.126)±.30(.012)	0.6(.024)±.35(.014)	N/A

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Volt (DC)	Dim. T	Price Each		Reel Qty.	Price Per Piece
					1	100		
Style 0805 - Temperature Coef. X7R								
80-C0805F103K4R	C0805F103K4RACTU	0.01	16	.90±.10			4000	
80-C0805F103K5R	C0805F103K5RACTU	0.01	50	.90±.10			4000	
80-C0805F103K1R	C0805F103K1RACTU	0.01	100	.90±.10			4000	
80-C0805F103K2R	C0805F103K2RACTU	0.01	200	.90±.10			4000	
80-C0805F123K4R	C0805F123K4RACTU	0.012	16	.90±.10			4000	
80-C0805F123K5R	C0805F123K5RACTU	0.012	50	.90±.10			4000	
80-C0805F123K1R	C0805F123K1RACTU	0.012	100	.90±.10			4000	
80-C0805F153K4R	C0805F153K4RACTU	0.015	16	.90±.10			4000	
80-C0805F153K1R	C0805F153K1RACTU	0.015	100	.90±.10			4000	
80-C0805F183K4R	C0805F183K4RACTU	0.018	16	.90±.10			4000	
80-C0805F183K1R	C0805F183K1RACTU	0.018	100	.90±.10			4000	
80-C0805F223K3R	C0805F223K3RACTU	0.022	25	.90±.10			4000	
80-C0805F223K5R	C0805F223K5RACTU	0.022	50	.90±.10			4000	
80-C0805F223K1R	C0805F223K1RACTU	0.022	100	1.25±.15			2500	
80-C0805F273K4R	C0805F273K4RACTU	0.027	16	.90±.10			4000	
80-C0805F273K1R	C0805F273K1RACTU	0.027	100	1.25±.15			2500	
80-C0805F333K4R	C0805F333K4RACTU	0.033	16	.90±.10			4000	
80-C0805F333K5R	C0805F333K5RACTU	0.033	50	.90±.10			4000	
80-C0805F333K1R	C0805F333K1RACTU	0.033	100	1.25±.15			2500	
80-C0805F393K4R	C0805F393K4RACTU	0.039	16	.90±.10			4000	
80-C0805F393K1R	C0805F393K1RACTU	0.039	100	1.25±.15			2500	
80-C0805F474K3R	C0805F474K3RACTU	0.474	25	.90±.10			2500	
80-C0805F473K5R	C0805F473K5RACTU	0.047	50	.90±.10			4000	
80-C0805F563K4R	C0805F563K4RACTU	0.056	16	.90±.10			4000	
80-C0805F684K4R	C0805F684K4RACTU	0.068	16	.90±.10			2500	
80-C0805F683K5R	C0805F683K5RACTU	0.068	50	1.25±.15			2500	
80-C0805F823K4R	C0805F823K4RACTU	0.082	16	.90±.10			4000	
80-C0805F823K5R	C0805F823K5RACTU	0.082	50	1.25±.15			2500	
80-C0805F104K4R	C0805F104K4RACTU	0.1	16	1.25±.15			2500	
80-C0805F104K3R	C0805F104K3RACTU	0.1	25	1.25±.15			2500	
80-C0805F104K5R	C0805F104K5RACTU	0.1	50	1.25±.15			2500	
80-C0805F124K4R	C0805F124K4RACTU	0.12	16	1.25±.15			2500	
80-C0805F124K3R	C0805F124K3RACTU	0.12	25	1.25±.15			2500	
80-C0805F154K4R	C0805F154K4RACTU	0.15	16	1.25±.15			2500	
80-C0805F184K4R	C0805F184K4RACTU	0.18	16	1.25±.15			2500	
80-C0805F184K3R	C0805F184K3RACTU	0.18	25	1.25±.15			2500	
80-C0805F224K5R	C0805F224K5RACTU	0.22	50	1.25±.15			2500	
Style 1206 - Temperature Coef. X7R								
80-C1206F183K2R	C1206F183K2RACTU	0.018	200	.90±.10			4000	
80-C1206F473K4R	C1206F473K4RACTU	0.047	16	.90±.10			4000	
80-C1206F473K3R	C1206F473K3RACTU	0.047	25	.90±.10			4000	
80-C1206F473K5R	C1206F473K5RACTU	0.047	50	.90±.10			4000	
80-C1206F473K1R	C1206F473K1RACTU	0.05	100	.90±.10			4000	

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Volt (DC)	Dim. T	Price Each		Reel Qty.	Price Per Piece
					1	100		
Style 1206 - Temperature Coef. X7R (Cont.)								
80-C1206F563K4R	C1206F563K4RACTU	0.056	16	.90±.10			4000	
80-C1206F563K1R	C1206F563K1RACTU	0.056	100	.90±.10			4000	
80-C1206F683K4R	C1206F683K4RACTU	0.068	16	.90±.10			4000	
80-C1206F683K1R	C1206F683K1RACTU	0.068	100	.90±.10			4000	
80-C1206F105K5R	C1206F105K5RACTU	1.0	50	1.60±.20			4000	
80-C1206F823K1R	C1206F823K1RACTU	0.082	100	.90±.10			4000	
80-C1206F104K4R	C1206F104K4RACTU	0.1	16	.90±.10			4000	
80-C1206F104K3R	C1206F104K3RACTU	0.1	25	.90±.10			4000	
80-C1206F104K5R	C1206F104K5RACTU	0.1	50	.90±.10			4000	
80-C1206F104K1R	C1206F104K1RACTU	0.1	100	.90±.10			4000	
80-C1206F124K4R	C1206F124K4RACTU	0.12	16	.90±.10			4000	
80-C1206F124K1R	C1206F124K1RACTU	0.12	100	.90±.10			4000	
80-C1206F154K1R	C1206F154K1RACTU	0.015	100	1.60±.15			2000	
80-C1206F224K4R	C1206F224K4RACTU	0.22	16	.90±.10			4000	
80-C1206F224K5R	C1206F224K5RACTU	0.22	50	.90±.10			4000	
80-C1206F274K5R	C1206F274K5RACTU	0.27	50	.90±.10			4000	
80-C1206F474K4R	C1206F474K4RACTU	0.47	16	1.60±.15			4000	
80-C1206F474K3R	C1206F474K3RACTU	0.47	25	1.60±.15			4000	
80-C1206F105K4R	C1206F105K4RACTU	1.0	16	1.60±.15			2000	
Style 1210 - Temperature Coef. X7R								
80-C1210F104K1R	C1210F104K1RACTU	0.1	100	.95±.10			4000	
80-C1210F104K2R	C1210F104K2RACTU	0.1	200	1.25±.15			2500	
80-C1210F224K5R	C1210F224K5RACTU	0.22	50	.95±.10			4000	
80-C1210F224K1R	C1210F224K1RACTU	0.22	100	1.25±.15			2500	
80-C1210F334K1R	C1210F334K1RACTU	0.33	100	1.55±.15			2000	
80-C1210F474K5R	C1210F474K5RACTU	0.47	50	1.25±.15			4000	
80-C1210F474K1R	C1210F474K1RACTU	0.47	100	1.85±.20			2000	
80-C1210F105K4R	C1210F105K4RACTU	1.0	16	.95±.10			4000	
80-C1210F105K3R	C1210F105K3RACTU	1.0	25	1.55±.15			2000	
80-C1210F105K5R	C1210F105K5RACTU	1.0	50	1.85±.20			2000	
80-C1210F225K4R	C1210F225K4RACTU	2.20	16	1.85±.20			2000	
Style 1812 - Temperature Coef. X7R								
80-C1812F104K5R	C1812F104K5RACTU	0.1	50	1.0±.10			1000	
80-C1812F104K1R	C1812F104K1RACTU	0.1	100	1.0±.10			1000	
80-C1812F104K2R	C1812F104K2RACTU	0.1	200	1.0±.10			1000	
80-C1812F224K2R	C1812F224K2RACTU	0.22	200	1.1±.10			1000	
80-C1812F474K3R	C1812F474K3RACTU	0.47	25	1.0±.10			1000	
80-C1812F474K5R	C1812F474K5RACTU	0.47	50	1.0±.10			1000	
80-C1812F684K1R	C1812F684K1RACTU	0.68	100	1.50±.15			1000	
80-C1812F105K3R	C1812F105K3RACTU	1.0	25	1.70±.20			1000	
80-C1812F105K5R	C1812F105K5RACTU	1.0	50	1.70±.20			1000	
80-C1812F105K1R	C1812F105K1RACTU	1.0	100	2.00±.20			1000	

SYFER FLEXICAP™ SMD Ceramic Capacitors



This product is RoHS compliant.

SYFER CAPACITORS

Developed and marketed by Syfer in 2001, FlexiCap™ flexible termination has been on PC boards for tens of thousands of operating hours. No other flexible termination on the market has a track record as long as Syfer's. An estimated 99% of all ceramic chip failures are due to mechanical flex. FlexiCap™ is applied to the device under the standard nickel barrier finish to accommodate a greater degree of board bending than conventional capacitors. FlexiCap™ will virtually eliminate mechanical flex cracking problems. FlexiCap™ is RoHS compliant and compatible with both leaded and lead-free solder processes.

Features:

- Allows a greater degree of PCB deflection, typically twice that of standard MLCCs
- FlexiCap termination does not affect electrical characteristics or performance of the devices which can be used with no changes to the manufacturing process
- More resistant to temperature cycling

Specifications:

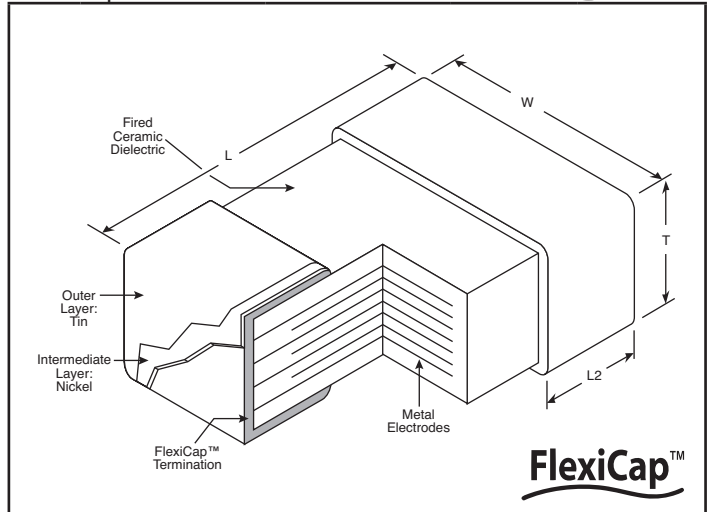
- Operating range: -55°C to +125°C (max. capacitance change: ±15%)
- Insulation resistance: 100 gighm or 1000s, whichever is less
- Dissipation factor: <0.025
- Dielectric strength with voltage applied for 5 seconds:
 - ≤ 200 Volts: 2.5 times; 500 & 630 Volts: 1.5 times;
 - ≥ 1 kV: 1.25 times

Markets:

- Power supplies: DC-DC converters, UPS systems
- Telecom: Backplanes, linecards, modems, and base stations
- Lighting ballasts
- Industrial

Applications:

- Can be used in all designs currently using standard MLCCs
- Suggested for high stress, critical circuit applications



Style	DIMENSIONS: mm (in.)			
	L	W	T Max.	L2 Max.
0603	1.6±0.2 (.063±.008)	.8±0.2 (.031±.008)	0.8 (.031)	0.40 (.015)
0805	2.0±0.3 (.080±.012)	1.25±0.2 (.05±.008)	1.3 (.051)	0.75 (.030)
1206	3.2±0.3 (.126±.012)	1.6±0.2 (.063±.008)	1.6 (.063)	0.75 (.030)
1210	3.2±0.3 (.126±.012)	2.5±0.3 (.100±.012)	2.0 (.08)	0.75 (.030)
1808	4.5±0.35 (.18±.014)	2.0±0.3 (.080±.012)	2.0 (.08)	1.0 (.040)
1812	4.5±0.35 (.18±.014)	3.2±0.3 (.126±.012)	2.5 (.10)	1.0 (.040)
2220	5.7±0.4 (.225±.016)	5.0±0.4 (.197±.016)	2.5 (.10)	1.0 (.040)
2225	5.7±0.4 (.225±.016)	6.3±0.4 (.25±.016)	2.5 (.10)	1.0 (.040)



RoHS Compliant

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Value (pF)	Volt (DC)	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
					1	50	100		
Style 0603-Temperature Coeff. X7R									
843-0603Y2000101K	0603Y2000101KXKT	100	200	10				4000	
843-0603Y2000151K	0603Y2000151KXKT	150	200	10				4000	
843-0603Y2000152K	0603Y2000152KXKT	1500	200	10				4000	
843-0603Y2000472J	0603Y2000472JXT	4700	200	5				4000	
843-0603Y2000472K	0603Y2000472KXKT	4700	200	10				4000	
Style 0805-Temperature Coeff. X7R									
843-0805Y5000101K	0805Y5000101KXKT	100	500	10				3000	
843-0805Y5000221K	0805Y5000221KXKT	220	500	10				3000	
843-0805Y5000471K	0805Y5000471KXKT	470	500	10				3000	
843-0805Y0500102M	0805Y0500102MXKT	1000	50	10				3000	
843-0805Y2000102K	0805Y2000102KXKT	1000	200	10				3000	
843-0805Y1K00472K	0805Y1K00472KXKT	4700	1000	10				3000	
843-0805Y2000103K	0805Y2000103KXKT	10000	200	10				3000	
843-0805Y2000223K	0805Y2000223KXKT	22000	200	10				3000	
843-0805Y5000103K	0805Y5000103KXKT	.01µF	500	10				3000	
843-0805Y0500104K	0805Y0500104KXKT	.1µF	50	10				3000	
Style 1206-Temperature Coeff. X7R									
843-1206Y6300470K	1206Y6300470KXKT	47	630	10				2500	
843-1206Y1K00101K	1206Y1K00101KXKT	100	1000	10				2500	
843-1206Y5000101K	1206Y5000101KXKT	100	500	10				2500	
843-1206Y5000471K	1206Y5000471KXKT	470	500	10				2500	
843-1206Y6300471K	1206Y6300471KXKT	470	630	10				2500	
843-1206Y2K00471K	1206Y2K00471KXKT	470	2000	10				2500	
843-1206Y5000102K	1206Y5000102KXKT	1000	500	10				2500	
843-1206Y6300102K	1206Y6300102KXKT	1000	630	10				2500	
843-1206Y1K00102K	1206Y1K00102KXKT	1000	1000	10				2500	
843-1206Y2K00102K	1206Y2K00102KXKT	1000	2000	10				2500	
843-1206Y1K00272K	1206Y1K00272KXKT	2700	1000	10				2500	
843-1206Y6300472K	1206Y6300472KXKT	4700	630	10				2500	
843-1206Y1K00472K	1206Y1K00472KXKT	4700	1000	10				2500	
843-1206Y6300103K	1206Y6300103KXKT	.01µF	630	10				2500	
843-1206Y1K50103K	1206Y1K50103KXKT	.01µF	1500	10				2500	
843-1206Y1K20153K	1206Y1K20153KXKT	.015µF	1200	10				2500	
843-1206Y5000223K	1206Y5000223KXKT	.022µF	500	10				2500	
843-1206Y1K00273K	1206Y1K00273KXKT	.027µF	1000	10				2500	
843-1206Y5000333K	1206Y5000333KXKT	.033µF	500	10				2500	
843-1206Y6300333K	1206Y6300333KXKT	.033µF	630	10				2500	
843-1206Y2000473K	1206Y2000473KXKT	.047µF	200	10				2500	
843-1206Y5000473K	1206Y5000473KXKT	.047µF	500	10				2500	
843-1206Y0500104K	1206Y0500104KXKT	.1µF	50	10				2500	
843-1206Y1000104K	1206Y1000104KXKT	.1µF	100	10				2500	
843-1206Y2000104K	1206Y2000104KXKT	.1µF	200	10				2500	
843-1206Y0500474K	1206Y0500474KXKT	.47µF	50	10				2500	
843-1206Y0160105K	1206Y0160105KXKT	1µF	16	10				2500	

MOUSER STOCK NO.	Syfer Part No.	Value (pF)	Volt (DC)	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
					1	50	100		
Style 1210-Temperature Coeff. X7R									
843-1210Y5000222K	1210Y5000222KXKT	2200	500	10				2000	
843-1210Y2K00222K	1210Y2K00222KXKT	2200	2000	10				2000	
843-1210Y1K00472K	1210Y1K00472KXKT	4700	1000	10				2000	
843-1210Y5000103K	1210Y5000103KXKT	.01µF	500	10				2000	
843-1210Y1K00103K	1210Y1K00103KXKT	.01µF	1000	10				2000	
843-1210Y1K00153K	1210Y1K00153KXKT	.015µF	1000	10				2000	
843-1210Y1K00333K	1210Y1K00333KXKT	.033µF	1000	10				2000	
843-1210Y5000473K	1210Y5000473KXKT	.047µF	500	10				2000	
843-1210Y6300473K	1210Y6300473KXKT	.047µF	630	10				2000	
843-1210Y5000104K	1210Y5000104KXKT	.1µF	500	10				2000	
843-1210Y5000124K	1210Y5000124KXKT	.12µF	500	10				2000	
843-1210Y2000184K	1210Y2000184KXKT	.18µF	200	10				2000	
Style 1808-Temperature Coeff. X7R									
843-1808Y3K00102K	1808Y3K00102KXKT	1000	3000	10				1500	
843-1808Y2K00222K	1808Y2K00222KXKT	2200	2000	10				1500	
Style 1812-Temperature Coeff. X7R									
843-1812Y3K00120JCT	1812Y3K00120JCT	12	3000	5				1000	
843-1812Y3K00681K	1812Y3K00681KXKT	680	3000	10				1000	
843-1812Y2K00102K	1812Y2K00102KXKT	1000	2000	10				1000	
843-1812Y3K00152KX	1812Y3K00152KXKT	1500	3000	10				1000	
843-1812Y3K00222K	1812Y3K00222KXKT	2200	3000	10				1000	
843-1812Y6300183K	1812Y6300183KXKT	.018µF	630	10				1000	
843-1812Y5000473K	1812Y5000473KXKT	.047µF	500	10				1000	
843-1812Y1K00473K	1812Y1K00473KXKT	.047µF	1000	10				1000	
843-1812Y5000104K	1812Y5000104KXKT	.1µF	500	10				1000	
843-1812Y1K00104K	1812Y1K00104KXKT	.1µF	1000	10				1000	
843-1812Y5000124K	1812Y5000124KXKT	.12µF	500	10				1000	
843-1812Y2000224K	1812Y2000224KXKT	.22µF	200	10				1000	
843-1812Y5000224K	1812Y5000224KXKT	.22µF	500	10				1000	
843-1812Y2000274K	1812Y2000274KXKT	.27µF	200	10				1000	
843-1812Y5000274K	1812Y5000274KXKT	.27µF	500	10				1000	
843-1812Y5000334K	1812Y5000334KXKT	.33µF	500	10				1000	
843-1812Y2500474K	1812Y2500474KXKT	.47µF	250	10				1000	
843-1812Y1000105K	1812Y1000105KXKT	1µF	100	10				1000	
Style 2220-Temperature Coeff. X7R									
843-2220Y2K00103K	2220Y2K00103KXKT	.01µF	2000	10				1000	
843-2220Y1K00104K	2220Y1K00104KXKT	.1µF	1000	10				1000	
843-2220Y1000105K	2220Y1000105KXKT	1µF	100	10				1000	
Style 2225-Temperature Coeff. X7R									
843-2225Y1K00154M	2225Y1K00154MXKT	.15µF	1000	10				1000	
843-2225Y2500105J	2225Y2500105JXT	1µF	250	5				1000	

Syfer Flexible Termination, SMD

TDK Ceramic Chip Capacitors



This product is RoHS compliant.

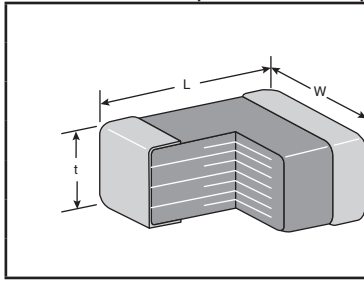
TDK SOFT TERMINATION C SERIES

Features:

- Improved resistance to thermal shock and thermal cycling
- Improved resistance to mechanical shock and board flex
- High reliability for remote access applications (e.g. telecom base station)
- High temperature/vibration environments (e.g. automotive ECU)

Applications:

- Automotive (battery line)
- Switching power supplies
- Telecom base station
- Power circuits on insulated metal substrates (IMS)



DIMENSIONS: mm			
Case Size	Length (L)	Width (W)	Max. Thickness (t)
0805 Series	2.00±0.20	1.25±0.20	1.45
1206 Series	3.20±0.20	1.60±0.20	1.80
1210 Series	3.20±0.20	2.50±0.30	2.80
1812 Series	4.50±0.40	3.20±0.40	2.50
2220 Series	5.70±0.40	5.70±0.40	3.10

Style 0805

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol. (%)	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coef: X7R								
810-C2012X7R2E103KST	C2012X7R2E103K/SOFT	0.01	250	10			2000	
810-C2012X7R2E103MST	C2012X7R2E103M/SOFT	0.01	250	20			2000	
810-C2012X7R2E223KST	C2012X7R2E223K/SOFT	0.022	250	10			2000	
810-C2012X7R2E223MST	C2012X7R2E223M/SOFT	0.022	250	20			2000	
810-C2012X7R1H474KST	C2012X7R1H474K/SOFT	0.47	50	10			2000	
810-C2012X7R1H474MST	C2012X7R1H474M/SOFT	0.1	50	20			2000	
810-C2012X7R1H105KST	C2012X7R1H105K/SOFT	1	50	10			2000	
810-C2012X7R1H105MST	C2012X7R1H105M/SOFT	1	50	20			2000	
810-C2012X7R1V225KST	C2012X7R1V225K/SOFT	2.2	35	10			2000	
810-C2012X7R1V225MST	C2012X7R1V225M/SOFT	2.2	35	20			2000	
810-C2012X7R1C475KST	C2012X7R1C475K/SOFT	4.7	16	10			2000	
810-C2012X7R1C475MST	C2012X7R1C475M/SOFT	4.7	16	20			2000	
Temperature Coef: X7S								
810-C2012X7S2A474MST	C2012X7S2A474M/SOFT	0.1	100	20			2000	
810-C2012X7S2A224KST	C2012X7S2A224K/SOFT	0.22	100	10			4000	
810-C2012X7S2A224MST	C2012X7S2A224M/SOFT	0.22	100	20			4000	
810-C2012X7S2A474KST	C2012X7S2A474K/SOFT	0.47	100	10			2000	
810-C2012X7S2A105KST	C2012X7S2A105K/SOFT	1	100	10			2000	
810-C2012X7S2A105MST	C2012X7S2A105M/SOFT	1	100	20			2000	
Temperature Coef: X7T								
810-C2012X7T2W103KST	C2012X7T2W103K/SOFT	0.01	450	10			4000	
810-C2012X7T2W103MST	C2012X7T2W103M/SOFT	0.01	450	20			4000	
810-C2012X7T2W223KST	C2012X7T2W223K/SOFT	0.022	450	10			4000	
810-C2012X7T2W223MST	C2012X7T2W223M/SOFT	0.022	450	20			2000	
810-C2012X7T2E473KST	C2012X7T2E473K/SOFT	0.047	250	10			2000	
810-C2012X7T2E473MST	C2012X7T2E473M/SOFT	0.047	250	20			2000	
810-C2012X7T2W473KST	C2012X7T2W473K/SOFT	0.047	450	10			2000	
810-C2012X7T2W473MST	C2012X7T2W473M/SOFT	0.047	450	20			2000	
810-C2012X7T2E104KST	C2012X7T2E104K/SOFT	0.1	250	10			2000	
810-C2012X7T2E104MST	C2012X7T2E104M/SOFT	0.1	250	20			2000	

Style 1206

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol. (%)	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coef: X7R								
810-C3216X7R2J103KST	C3216X7R2J103K/SOFT	0.01	630	10			2000	
810-C3216X7R2J103MST	C3216X7R2J103M/SOFT	0.01	630	20			2000	
810-C3216X7R2J223KST	C3216X7R2J223K/SOFT	0.022	630	10			2000	
810-C3216X7R2J223MST	C3216X7R2J223M/SOFT	0.022	630	20			2000	
810-C3216X7R2E104KST	C3216X7R2E104K/SOFT	0.1	250	10			2000	
810-C3216X7R2E104MST	C3216X7R2E104M/SOFT	0.1	250	20			2000	
810-C3216X7R2A474KST	C3216X7R2A474K/SOFT	0.47	100	10			2000	
810-C3216X7R2A474MST	C3216X7R2A474M/SOFT	0.47	100	20			2000	
810-C3216X7R1H105KST	C3216X7R1H105K/SOFT	1	50	10			2000	
810-C3216X7R2A105KST	C3216X7R2A105K/SOFT	1	100	10			2000	
810-C3216X7R1H105MST	C3216X7R1H105M/SOFT	1	50	20			2000	
810-C3216X7R2A105MST	C3216X7R2A105M/SOFT	1	100	20			2000	
810-C3216X7R1H225KST	C3216X7R1H225K/SOFT	2.2	50	10			2000	
810-C3216X7R1H225MST	C3216X7R1H225M/SOFT	2.2	50	20			2000	
810-C3216X7R1V475KST	C3216X7R1V475K/SOFT	4.7	35	10			2000	
810-C3216X7R1V475MST	C3216X7R1V475M/SOFT	4.7	35	20			2000	
810-C3216X7R1E106KST	C3216X7R1E106K/SOFT	10	25	10			2000	
810-C3216X7R1E106MST	C3216X7R1E106M/SOFT	10	25	20			2000	
Temperature Coef: X7S								
810-C3216X7S2A225MST	C3216X7S2A225K/SOFT	2.2	100	10			2000	
810-C3216X7S2A225MST	C3216X7S2A225M/SOFT	2.2	100	20			2000	
Temperature Coef: X7T								
810-C3216X7T2E224KST	C3216X7T2E224K/SOFT	0.022	250	10			2000	
810-C3216X7T2J473KST	C3216X7T2J473K/SOFT	0.047	630	10			2000	
810-C3216X7T2J473MST	C3216X7T2J473M/SOFT	0.047	630	20			2000	
810-C3216X7T2W104KST	C3216X7T2W104K/SOFT	0.1	450	10			2000	
810-C3216X7T2W104MST	C3216X7T2W104M/SOFT	0.1	450	20			2000	
810-C2012X7T2E104MST	C2012X7T2E104M/SOFT	0.1	250	20			2000	
810-C3216X7T2E224MST	C3216X7T2E224M/SOFT	0.22	250	20			2000	

Style 1210

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol. (%)	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coef: X7R								
810-C3225X7R2J473KST	C3225X7R2J473K/SOFT	0.047	630	10			1000	
810-C3225X7R2J473MST	C3225X7R2J473M/SOFT	0.047	630	20			1000	
810-C3225X7R2E104KST	C3225X7R2E104K/SOFT	0.1	250	10			1000	
810-C3225X7R2E104MST	C3225X7R2E104M/SOFT	0.1	250	20			1000	
810-C3225X7R2E224KST	C3225X7R2E224K/SOFT	0.22	250	10			1000	
810-C3225X7R2E224MST	C3225X7R2E224M/SOFT	0.22	250	20			1000	
810-C3225X7R2A225KST	C3225X7R2A225K/SOFT	2.2	100	10			1000	
810-C3225X7R2A225MST	C3225X7R2A225M/SOFT	2.2	100	20			1000	
Temperature Coef: X7S								
810-C3225X7S1H475KST	C3225X7S1H475K/SOFT	4.7	50	10			1000	
810-C3225X7S2A475KST	C3225X7S2A475K/SOFT	4.7	100	10			1000	
810-C3225X7S1H475MST	C3225X7S1H475M/SOFT	4.7	50	20			1000	
810-C3225X7S2A475MST	C3225X7S2A475M/SOFT	4.7	100	20			1000	
810-C3225X7S1H106KST	C3225X7S1H106K/SOFT	10	50	10			1000	
810-C3225X7S1H106MST	C3225X7S1H106M/SOFT	10	50	20			1000	
Temperature Coef: X7T								
810-C3225X7T2J104KST	C3225X7T2J104K/SOFT	0.1	630	10			2000	
810-C3225X7T2J104MST	C3225X7T2J104M/SOFT	0.1	630	20			2000	
810-C3225X7T2W224KST	C3225X7T2W224K/SOFT	0.22	450	10			1000	
810-C3225X7T2W224MST	C3225X7T2W224M/SOFT	0.22	450	20			1000	

Style 1812

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol. (%)	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coef: X7R								
810-C4532X7R2E474MST	C4532X7R2E474M/SOFT	0.1	250	20			500	
810-C4532X7T2J224KST	C4532X7T2J224K/SOFT	0.22	250	10			1000	
810-C4532X7R2E474KST	C4532X7R2E474K/SOFT	0.47	250	10			500	
Temperature Coef: X7T								
810-C4532X7T2J224MST	C4532X7T2J224M/SOFT	0.22	630	20			1000	
810-C4532X7T2W474KST	C4532X7T2W474K/SOFT	0.47	450	10			500	
810-C4532X7T2W474MST	C4532X7T2W474M/SOFT	0.47	450	20			500	
810-C4532X7T2E105KST	C4532X7T2E105K/SOFT	1	250	10			500	
810-C4532X7T2E105MST	C4532X7T2E105M/SOFT	1	250	20			500	

Style 2220

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol. (%)	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coef: X7R								
810-C5750X7R2E105KST	C5750X7R2E105K/SOFT	1	250	10			500	
810-C5750X7R2E105MST	C5750X7R2E105M/SOFT	1	250	20			500	
Temperature Coef: X7S								
810-C5750X7S2A106KST	C5750X7S2A106K/SOFT	10	100	10			500	
810-C5750X7S2A106MST	C5750X7S2A106M/SOFT	10	100	20			500	
Temperature Coef: X7T								
810-C5750X7T2J474KST	C5750X7T2J474K/SOFT	0.47	630	10			500	
810-C5750X7T2J474MST	C5750X7T2J474M/SOFT	0.47	630	20			500	
810-C5750X7T2W105KST	C5750X7T2W105K/SOFT	1	450	10			500	
810-C5750X7T2W105MST	C5750X7T2W105M/SOFT	1	450	20			500	
810-C5750X7T2E225KST	C5750X7T2E225K/SOFT	2.2	250	10			500	
810-C5750X7T2E225MST	C5750X7T2E225M/SOFT	2.2	250	20			500	

VISHAY/VITRAMON High Frequency and OMD Capacitors



This product is RoHS compliant.

VJ SERIES HIGH FREQUENCY MLCCS

Features:

- Excellent aging characteristics
- Reliable Noble Metal Electrode (NME) system
- Made with a combination of design, materials and tight process control to achieve very high field reliability.

Applications:

- Broadband wireless/Satellite communication
- VoIP networks and cellular base stations
- Subscriber based wireless devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volts	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr Part No.			1	100		
Style 0402 - Temperature Coef: C0G							
77	VJ0402D1R0BXC AJ	1	200			1000	
77	VJ0402D2R0BXC AJ	2	200			1000	
77	VJ0402D3R0BXC AJ	3	200			1000	
77	VJ0402D120JXC AJ	12	200			1000	
77	VJ0402D150JXC AJ	15	200			1000	
77	VJ0402D180JXC AJ	18	100			1000	
77	VJ0402D200JXC AJ	20	100			1000	
77	VJ0402D220JXC AJ	22	100			1000	
77	VJ0402D390JXC AJ	39	50			1000	
77	VJ0402D470JXC AJ	47	50			1000	
77	VJ0402D560JXC AJ	56	50			1000	
77	VJ0402D680JXC AJ	68	25			1000	
77	VJ0402D820JXC AJ	82	25			1000	
77	VJ0402D1R2BXC AJ	1.2	200			1000	
77	VJ0402D1R5BXC AJ	1.5	200			1000	
77	VJ0402D1R8BXC AJ	1.8	200			1000	
77	VJ0402D3R3BXC AJ	3.3	200			1000	
77	VJ0402D4R7CXC AJ	4.7	200			1000	
77	VJ0402D5R6CXC AJ	5.6	200			1000	
77	VJ0402D6R8CXC AJ	6.8	200			1000	
77	VJ0402D8R2CXC AJ	8.2	200			1000	

Style 0603 - Temperature Coef: C0G							
77	VJ0603D1R0BXP AJ	1	250			1000	
77	VJ0603D2R0BXP AJ	2	250			1000	
77	VJ0603D3R0BXP AJ	3	250			1000	
77	VJ0603D100JXP AJ	10	250			1000	
77	VJ0603D120JXP AJ	12	250			1000	
77	VJ0603D150JXP AJ	15	250			1000	
77	VJ0603D180JXP AJ	18	250			1000	
77	VJ0603D200JXP AJ	20	250			1000	
77	VJ0603D220JXP AJ	22	250			1000	
77	VJ0603D270JXP AJ	27	250			1000	
77	VJ0603D300JXP AJ	30	250			1000	
77	VJ0603D330JXP AJ	33	250			1000	
77	VJ0603D390JXP AJ	39	250			1000	
77	VJ0603D470JXP AJ	47	250			1000	
77	VJ0603D680JXC AJ	68	200			1000	
77	VJ0603D820JXC AJ	82	200			1000	
77	VJ0603D101JXC AJ	100	200			1000	
77	VJ0603D121KXC AJ	120	100			1000	
77	VJ0603D151KXC AJ	150	100			1000	
77	VJ0603D181KXC AJ	180	50			1000	
77	VJ0603D201KXC AJ	200	50			1000	
77	VJ0603D221KXC AJ	220	50			1000	

VJ OMD SERIES: SMD CERAMIC CAPACITOR SOLUTIONS FOR BOARD FLEX SENSITIVE APPLICATIONS

Features:

- Efficient low-power consumption, ripple current capable to 1.2 arms at 100kHz
- High voltage breakdown compared to standard design
- Excellent reliability and thermal shock performance
- High frequency filtering for switching power
- Available with polymer termination for increase resistance to board flex cracking

Specifications:

- Operating temperature: -55°C to +125°C

Applications:

- Input/Output filter capacitors
- Snubber capacitors reduce MOSFET voltage spikes
- Lighting ballasts
- Ideal for power supplies

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volts	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr Part No.			1	100	500		
Style 1206-Temperature Coef: X7R								
77	VJ1206Y471KXRAT4X	470	1500			2500		
77	VJ1206Y561KXFAT4X	560	2000			2500		
77	VJ1206Y681KXLAT4X	680	630			2500		
77	VJ1206Y102KXEA T4X	1000	500			3000		
77	VJ1206Y102KXRAT4X	1000	1500			2500		
77	VJ1206Y102MXFAT4X	1000	2000			2500		
77	VJ1206Y272KXGAT4X	2700	1000			3000		
77	VJ1206Y472KXGAT4X	4700	1000			2500		
77	VJ1206Y183KBLAT4X	.018µF	630			2500		
77	VJ1206Y103KBAAT4X	.01µF	50			3000		
77	VJ1206Y103KXLAT4X	.01µF	630			2500		
77	VJ1206Y104JXAAT4X	.1µF	50			2500		
77	VJ1206Y104KBAAT4X	.1µF	50			2500		
77	VJ1206Y104KXAAT4X	.1µF	50			2500		



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volts	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr Part No.			1	100		
Style 0603 - Temperature Coef: C0G (Cont.)							
77	VJ0603D271KXAAJ	270	50			1000	
77	VJ0603D301KXAAJ	300	250			1000	
77	VJ0603D331KXAAJ	330	50			1000	
77	VJ0603D391KXAAJ	390	25			1000	
77	VJ0603D471KXAAJ	470	25			1000	
77	VJ0603D1R2BXP AJ	1.2	250			1000	
77	VJ0603D1R5BXP AJ	1.5	250			1000	
77	VJ0603D1R8BXP AJ	1.8	250			1000	
77	VJ0603D2R2BXP AJ	2.2	250			1000	
77	VJ0603D2R4BXP AJ	2.4	250			1000	
77	VJ0603D2R7BXP AJ	2.7	250			1000	
77	VJ0603D3R3BXP AJ	3.3	250			1000	
77	VJ0603D3R9CXP AJ	3.9	250			1000	
77	VJ0603D560JXC AJ	4.7	200			1000	
77	VJ0603D4R7CXP AJ	4.7	250			1000	
77	VJ0603D5R6CXP AJ	5.6	250			1000	
77	VJ0603D6R8CXP AJ	6.8	250			1000	
77	VJ0603D8R2CXP AJ	8.2	250			1000	

Style 0805 - Temperature Coef: C0G							
77	VJ0805D101JXP AJ	100	250			1000	
77	VJ0805D121KXP AJ	120	250			1000	
77	VJ0805D151KXP AJ	150	250			1000	
77	VJ0805D181KXP AJ	180	250			1000	
77	VJ0805D201KXP AJ	200	250			1000	
77	VJ0805D221KXP AJ	220	250			1000	
77	VJ0805D241KXP AJ	240	250			1000	
77	VJ0805D271KXP AJ	270	250			1000	
77	VJ0805D301KXP AJ	300	250			1000	
77	VJ0805D331KXP AJ	330	250			1000	
77	VJ0805D391KXC AJ	390	200			1000	
77	VJ0805D471KXC AJ	470	100			1000	
77	VJ0805D561KXC AJ	560	100			1000	
77	VJ0805D681KXC AJ	680	100			1000	
77	VJ0805D821KXC AJ	820	50			1000	
77	VJ0805D102KXC AJ	1000	50			1000	
77	VJ0805D122KXC AJ	1200	25			1000	
77	VJ0805D152KXC AJ	1500	25			1000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volts	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr Part No.			1	100	500		
Style 1210-Temperature Coef: X7R								
77	VJ1210Y102JXFAT4X	1000	2000			2500		
77	VJ1210Y152MXFAT4X	1500	2000			2500		
Style 1812-Temperature Coef: NP0/C0G								
77	VJ1812A121KXGAT4X	120	1000			1000		
77	VJ1812A821JXGAT4X	820	1000			1000		
Style 1812-Temperature Coef: X7R								
77	VJ1812Y471KXHAT4X	470	3000			1000		
77	VJ1812Y102KXFAT4X	1000	2000			1000		
77	VJ1812Y222KXFAT4X	2200	2000			1000		
77	VJ1812Y392KXFAT4X	3900	2000			1000		
77	VJ1812Y472KXRAT4X	4700	1500			1000		
77	VJ1812Y822KXRAT4X	8200	1500			1000		
77	VJ1812Y103KXRAT4X	.01µF	1500			1000		
77	VJ1812Y103MXRAT4X	.01µF	1500			1000		
77	VJ1812Y154KXEA T4X	.15µF	500			1000		
77	VJ1812Y334JXCAT4X	.33µF	200			1000		
77	VJ1812Y474JFAAT4X	.47µF	50			1000		
77	VJ1812Y474KXBAT4X	.47µF	100			1000		
77	VJ1812Y104MXBA T4X	.1µF	100			1000		
77	VJ1812Y104KXEA T4X	.1µF	500			1000		
77	VJ1812Y105KXBAT4X	1µF	100			1000		
77	VJ1812Y105MBA T4X	1µF	100			1000		
Style 1825-Temperature Coef: X7R								
77	VJ1825Y104KXEA T4X	.1µF	500			1000		
Style 2225-Temperature Coef: X7R								
77	VJ2225Y223KXRAT4X	.023µF	1500			1000		
77	VJ2225Y273KBFAT4X	.027µF	2000			1000		
77	VJ2225Y473MXFAT4X	.047µF	2000			1000		
77	VJ2225Y103KXFAT4X	.01µF	2000			1000		
77	VJ2225Y334KXEA T4X	.33µF	500			1000		

ATC Multilayer Ceramic Chip Capacitors

ATC 600 SERIES ULTRA-LOW ESR, HIGH Q, NPO RF AND MICROWAVE CAPACITORS

- Features:**
- Lowest ESR in class
 - Laser Marking (optional)
 - High Self Resonance Frequencies
- Applications:**
- Cellular Base Stations
 - Wireless Communications
 - Broadband Wireless Services
- Circuit Applications:**
- Filter Networks
 - High Q Frequency Sources
 - Matching Networks
 - Tuning, Coupling, Bypass and DC Blocking
- RoHS Compliant** This product is RoHS compliant.

DIMENSIONS: in. (mm)		Case Size	Length (L)	Width (W)	Thickness (T)	Overlap (Y)
	0402 (L)	.040 ± .004 (1.02 ± 0.1)	.020 ± .004 (.51 ± 0.1)	.024 max. (0.60 max.)	.010 ± .006 (0.25 ± 0.15)	
	0603 (S)	.063 ± .006 (1.60 ± .15)	.032 ± .006 (.81 ± .15)	.035 max. (0.89 max.)	.014 ± .006 (0.36 ± 0.15)	

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ATC Part No.	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
0402 Case Size - 200V								
581-600L0R1AT	600L0R1AT200T	0.1	.05pF				500	
581-600L0R2AT	600L0R2AT200T	0.2	.05pF				500	
581-600L0R3AT	600L0R3AT200T	0.3	.05pF				4000	
581-600L0R3BT	600L0R3BT200T	0.3	.1pF				500	
581-600L0R4AT	600L0R4AT200T	0.4	.05pF				500	
581-600L0R5AT	600L0R5AT200T	0.5	.05pF				500	
581-600L0R5BT	600L0R5BT200T	0.5	.1pF				500	
581-600L0R6AT	600L0R6AT200T	0.6	.05pF				500	
581-600L0R7AT	600L0R7AT200T	0.7	.05pF				4000	
581-600L0R7BT	600L0R7BT200T	0.7	.1pF				500	
581-600L0R8AT	600L0R8AT200T	0.8	.05pF				500	
581-600L0R8BT	600L0R8BT200T	0.8	.1pF				500	
581-600L0R9AT	600L0R9AT200T	0.9	.05pF				500	
581-600L0R9BT	600L0R9BT200T	0.9	.1pF				500	
581-600L100FT	600L100FT200T	10	1%				500	
581-600L100GT	600L100GT200T	10	2%				500	
581-600L100JT	600L100JT200T	10	5%				500	
581-600L120FT	600L120FT200T	12	1%				4000	
581-600L150FT	600L150FT200T	15	1%				500	
581-600L150GT	600L150GT200T	15	2%				500	
581-600L150JT	600L150JT200T	15	5%				500	
581-600L180FT	600L180FT200T	18	1%				500	
581-600L1R0AT	600L1R0AT200T	1	.05pF				500	
581-600L1R0BT	600L1R0BT200T	1	.1pF				500	
581-600L1R1AT	600L1R1AT200T	1.1	.05pF				500	
581-600L1R1BT	600L1R1BT200T	1.1	.1pF				4000	
581-600L1R2AT	600L1R2AT200T	1.2	.05pF				4000	
581-600L1R2BT	600L1R2BT200T	1.2	.1pF				500	
581-600L1R3AT	600L1R3AT200T	1.3	.05pF				500	
581-600L1R5AT	600L1R5AT200T	1.5	.05pF				4000	
581-600L1R5BT	600L1R5BT200T	1.5	.1pF				500	
581-600L1R6AT	600L1R6AT200T	1.6	.05pF				500	
581-600L1R8AT	600L1R8AT200T	1.8	.05pF				500	
581-600L1R8BT	600L1R8BT200T	1.8	.1pF				500	
581-600L200FT	600L200FT200T	20	1%				500	
581-600L200JT	600L200JT200T	20	5%				500	
581-600L220FT	600L220FT200T	22	1%				4000	
581-600L220JT	600L220JT200T	22	5%				500	
581-600L270FT	600L270FT200T	27	1%				500	
581-600L270GT	600L270GT200T	27	2%				4000	
581-600L270JT	600L270JT200T	27	5%				500	
581-600L2R0AT	600L2R0AT200T	2	.05pF				500	
581-600L2R0BT	600L2R0BT200T	2	.1pF				500	
581-600L2R2AT	600L2R2AT200T	2.2	.05pF				500	
581-600L2R2BT	600L2R2BT200T	2.2	.1pF				500	
581-600L2R4AT	600L2R4AT200T	2.4	.05pF				500	
581-600L2R4BT	600L2R4BT200T	2.4	.1pF				500	
581-600L2R7AT	600L2R7AT200T	2.7	.05pF				4000	
581-600L2R7BT	600L2R7BT200T	2.7	.1pF				500	
581-600L3R0AT	600L3R0AT200T	3	.05pF				500	
581-600L3R0BT	600L3R0BT200T	3	.1pF				500	
581-600L3R3AT	600L3R3AT200T	3.3	.05pF				500	
581-600L3R3BT	600L3R3BT200T	3.3	.1pF				500	
581-600L3R9AT	600L3R9AT200T	3.9	.05pF				500	
581-600L3R9BT	600L3R9BT200T	3.9	.1pF				500	
581-600L4R3AT	600L4R3AT200T	4.3	.05pF				500	
581-600L4R7AT	600L4R7AT200T	4.7	.05pF				500	
581-600L4R7BT	600L4R7BT200T	4.7	.1pF				500	
581-600L5R6AT	600L5R6AT200T	5.6	.05pF				500	
581-600L5R6BT	600L5R6BT200T	5.6	.1pF				4000	
581-600L5R6CT	600L5R6CT200T	5.6	.25pF				500	
581-600L6R8BT	600L6R8BT200T	6.8	.1pF				4000	
581-600L7R5BT	600L7R5BT200T	7.5	.1pF				500	
581-600L8R2BT	600L8R2BT200T	8.2	.1pF				500	
581-600L8R2CT	600L8R2CT200T	8.2	.25pF				500	
581-600L9R1BT	600L9R1BT200T	9.1	.1pF				500	
0603 Case Size - 250V								
581-600S0R1AT	600S0R1AT250XT	0.1	.05pF				500	
581-600S0R1BT	600S0R1BT250XT	0.1	.1pF				500	
581-600S0R2AT	600S0R2AT250XT	0.2	.05pF				500	
581-600S0R2BT	600S0R2BT250XT	0.2	.1pF				500	
581-600S0R3AT	600S0R3AT250XT	0.3	.05pF				500	
581-600S0R3BT	600S0R3BT250XT	0.3	.1pF				4000	
581-600S0R4AT	600S0R4AT250XT	0.4	.05pF				500	
581-600S0R4BT	600S0R4BT250XT	0.4	.1pF				500	
581-600S0R5AT	600S0R5AT250XT	0.5	.05pF				4000	
581-600S0R5BT	600S0R5BT250XT	0.5	.1pF				4000	
581-600S0R6AT	600S0R6AT250XT	0.6	.05pF				4000	
581-600S0R6BT	600S0R6BT250XT	0.6	.1pF				500	
581-600S0R7AT	600S0R7AT250XT	0.7	.05pF				500	
581-600S0R7BT	600S0R7BT250XT	0.7	.1pF				500	
581-600S0R8AT	600S0R8AT250XT	0.8	.05pF				4000	
581-600S0R8BT	600S0R8BT250XT	0.8	.1pF				500	
581-600S0R9AT	600S0R9AT250XT	0.9	.05pF				4000	
581-600S0R9BT	600S0R9BT250XT	0.9	.1pF				500	
581-600S1R0AT	600S1R0AT250XT	1	.05pF				500	
581-600S1R0BT	600S1R0BT250XT	1	.1pF				4000	
581-600S1R1AT	600S1R1AT250XT	1.1	.05pF				500	

MOUSER STOCK NO.	ATC Part No.	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
0603 Case Size - 250V (Cont.)								
581-600S1R1BT	600S1R1BT250XT	1.1	.1pF				500	
581-600S1R2AT	600S1R2AT250XT	1.2	.05pF				500	
581-600S1R2BT	600S1R2BT250XT	1.2	.1pF				4000	
581-600S1R3AT	600S1R3AT250XT	1.3	.05pF				500	
581-600S1R3BT	600S1R3BT250XT	1.3	.1pF				500	
581-600S1R5AT	600S1R5AT250XT	1.5	.05pF				500	
581-600S1R5BT	600S1R5BT250XT	1.5	.1pF				4000	
581-600S1R6AT	600S1R6AT250XT	1.6	.05pF				500	
581-600S1R6BT	600S1R6BT250XT	1.6	.1pF				500	
581-600S1R8AT	600S1R8AT250XT	1.8	.05pF				500	
581-600S1R8BT	600S1R8BT250XT	1.8	.1pF				4000	
581-600S2R0AT	600S2R0AT250XT	2	.05pF				500	
581-600S2R0BT	600S2R0BT250XT	2	.1pF				4000	
581-600S2R2AT	600S2R2AT250XT	2.2	.05pF				500	
581-600S2R2BT	600S2R2BT250XT	2.2	.1pF				4000	
581-600S2R2CT	600S2R2CT250XT	2.2	.25pF				500	
581-600S2R4AT	600S2R4AT250XT	2.4	.05pF				500	
581-600S2R4BT	600S2R4BT250XT	2.4	.1pF				4000	
581-600S2R7AT	600S2R7AT250XT	2.7	.05pF				4000	
581-600S2R7BT	600S2R7BT250XT	2.7	.1pF				4000	
581-600S3R0AT	600S3R0AT250XT	3	.05pF				4000	
581-600S3R0BT	600S3R0BT250XT	3	.1pF				500	
581-600S3R3AT	600S3R3AT250XT	3.3	.05pF				4000	
581-600S3R3BT	600S3R3BT250XT	3.3	.1pF				4000	
581-600S3R3CT	600S3R3CT250XT	3.3	.25pF				500	
581-600S3R6AT	600S3R6AT250XT	3.6	.05pF				500	
581-600S3R6BT	600S3R6BT250XT	3.6	.1pF				500	
581-600S3R9AT	600S3R9AT250XT	3.9	.05pF				500	
581-600S3R9BT	600S3R9BT250XT	3.9	.1pF				4000	
581-600S3R9CT	600S3R9CT250XT	3.9	.25pF				500	
581-600S4R3AT	600S4R3AT250XT	4.3	.05pF				500	
581-600S4R3BT	600S4R3BT250XT	4.3	.1pF				500	
581-600S4R7AT	600S4R7AT250XT	4.7	.05pF				500	
581-600S4R7BT	600S4R7BT250XT	4.7	.1pF				4000	
581-600S4R7CT	600S4R7CT250XT	4.7	.25pF				500	
581-600S5R1AT	600S5R1AT250XT	5.1	.05pF				500	
581-600S5R1BT	600S5R1BT250XT	5.1	.1pF				500	
581-600S5R1CT	600S5R1CT250XT	5.1	.25pF				500	
581-600S5R6AT	600S5R6AT250XT	5.6	.05pF				4000	
581-600S5R6BT	600S5R6BT250XT	5.6	.1pF				4000	
581-600S5R6CT	600S5R6CT250XT	5.6	.25pF				500	
581-600S6R2AT	600S6R2AT250XT	6.2	.05pF				4000	
581-600S6R2BT	600S6R2BT250XT	6.2	.1pF				500	
581-600S6R8BT	600S6R8BT250XT	6.8	.1pF				4000	
581-600S6R8CT	600S6R8CT250XT	6.8	.25pF				4000	
581-600S6R8JT	600S6R8JT250XT	6.8	.5%				500	
581-600S7R5BT	600S7R5BT250XT	7.5	.1pF				4000	
581-600S8R2BT	600S8R2BT250XT	8.2	.1pF				4000	
581-600S8R2CT	600S8R2CT250XT	8.2	.25pF				4000	
581-600S8R2JT	600S8R2JT250XT	8.2	.5%				500	
581-600S9R1BT	600S9R1BT250XT	9.1	.1pF				500	
581-600S100FT	600S100FT250XT	10	1%				4000	

ATC Multilayer Ceramic Chip Capacitors



This product is RoHS compliant.

ATC 600 SERIES ULTRA-LOW ESR, HIGH Q, NPO RF AND MICROWAVE CAPACITORS

- Features:**
- Lowest ESR in class
 - Laser Marking (optional)
 - High Self Resonance Frequencies

- Circuit Applications:**
- Filter Networks
 - High Q Frequency Sources
 - Matching Networks
 - Tuning, Coupling, Bypass and DC Blocking

- Applications:**
- Cellular Base Stations
 - Wireless Communications
 - Broadband Wireless Services
 - Satellite communications
 - WiMAX (802.16)

DIMENSIONS: in. (mm)		Case Size	Length (L)	Width (W)	Thickness (T)	Overlap (Y)
		0603 (S)	.063 ± .006 (1.60 ± .15)	.032 ± .006 (.81 ± .15)	.035 max. (0.89 max.)	.014 ± .006 (0.36 ± 0.15)
		0805 (F)	.079 ± .008 (2.01 ± 0.20)	.049 ± .008 (1.24 ± 0.20)	.051 max. (1.30 max.)	.020 ± 0.01 (0.51 ± 0.25)

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ATC Part No.	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
0603 Case Size - 250V (Cont.)								
581-600S620FT	600S620FT250XT	62	1%				500	
581-600S680FT	600S680FT250XT	68	1%				500	
581-600S680GT	600S680GT250XT	68	2%				500	
581-600S680JT	600S680JT250XT	68	5%				500	
581-600S750FT	600S750FT250XT	75	1%				500	
581-600S820FT	600S820FT250XT	82	1%				500	
581-600S820JT	600S820JT250XT	82	5%				500	
581-600S101FT	600S101FT250XT	100	1%				4000	
581-600S101GT	600S101GT250XT	100	2%				4000	
581-600S101JT	600S101JT250XT	100	5%				4000	
0805 Case Size - 250V								
581-600F0R2AT	600F0R2AT250XT	0.2	.05pF				500	
581-600F0R2BT	600F0R2BT250XT	0.2	.1pF				500	
581-600F0R3AT	600F0R3AT250XT	0.3	.05pF				500	
581-600F0R3BT	600F0R3BT250XT	0.3	.1pF				500	
581-600F0R5AT	600F0R5AT250XT	0.5	.05pF				500	
581-600F0R5BT	600F0R5BT250XT	0.5	.1pF				4000	
581-600F0R6BT	600F0R6BT250XT	0.6	.1pF				500	
581-600F0R7AT	600F0R7AT250XT	0.7	.05pF				500	
581-600F0R7BT	600F0R7BT250XT	0.7	.1pF				500	
581-600F0R9BT	600F0R9BT250XT	0.9	.1pF				500	
581-600F1R0AT	600F1R0AT250XT	1	.05pF				500	
581-600F1R0BT	600F1R0BT250XT	1	.1pF				4000	
581-600F1R1BT	600F1R1BT250XT	1.1	.1pF				500	
581-600F1R2AT	600F1R2AT250XT	1.2	.05pF				500	
581-600F1R2BT	600F1R2BT250XT	1.2	.1pF				500	
581-600F1R5AT	600F1R5AT250XT	1.5	.05pF				500	
581-600F1R5BT	600F1R5BT250XT	1.5	.1pF				4000	
581-600F1R8BT	600F1R8BT250XT	1.8	.1pF				4000	
581-600F2R0AT	600F2R0AT250XT	2	.1pF				500	
581-600F2R2BT	600F2R2BT250XT	2.2	.1pF				500	
581-600F2R4BT	600F2R4BT250XT	2.4	.1pF				500	
581-600F2R7BT	600F2R7BT250XT	2.7	.1pF				4000	
581-600F3R0BT	600F3R0BT250XT	3	.1pF				500	
581-600F3R3BT	600F3R3BT250XT	3.3	.1pF				4000	
581-600F3R3CT	600F3R3CT250XT	3.3	.25pF				500	
581-600F3R9BT	600F3R9BT250XT	3.9	.1pF				4000	
581-600F3R9CT	600F3R9CT250XT	3.9	.25pF				500	
581-600F4R7BT	600F4R7BT250XT	4.7	.1pF				500	

MOUSER STOCK NO.	ATC Part No.	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
0805 Case Size - 250V (Cont.)								
581-600F4R7CT	600F4R7CT250XT	4.7	.25pF				4000	
581-600F5R6AT	600F5R6AT250XT	5.6	.05pF				500	
581-600F5R6BT	600F5R6BT250XT	5.6	.1pF				500	
581-600F5R6CT	600F5R6CT250XT	5.6	.25pF				500	
581-600F6R8BT	600F6R8BT250XT	6.8	.1pF				4000	
581-600F6R8CT	600F6R8CT250XT	6.8	.25pF				500	
581-600F6R8JT	600F6R8JT250XT	6.8	5%				500	
581-600F8R2BT	600F8R2BT250XT	8.2	.1pF				4000	
581-600F8R2CT	600F8R2CT250XT	8.2	.25pF				500	
581-600F9R1BT	600F9R1BT250XT	9.1	.1pF				500	
581-600F100FT	600F100FT250XT	10	1%				500	
581-600F100JT	600F100JT250XT	10	5%				4000	
581-600F120FT	600F120FT250XT	12	1%				500	
581-600F120JT	600F120JT250XT	12	5%				4000	
581-600F150FT	600F150FT250XT	15	1%				500	
581-600F150JT	600F150JT250XT	15	5%				500	
581-600F180FT	600F180FT250XT	18	1%				500	
581-600F180JT	600F180JT250XT	18	5%				500	
581-600F200JT	600F200JT250XT	20	5%				500	
581-600F220FT	600F220FT250XT	22	1%				500	
581-600F220JT	600F220JT250XT	22	5%				500	
581-600F240JT	600F240JT250XT	24	5%				500	
581-600F270JT	600F270JT250XT	27	5%				500	
581-600F300JT	600F300JT250XT	30	5%				500	
581-600F330FT	600F330FT250XT	33	1%				500	
581-600F330JT	600F330JT250XT	33	5%				4000	
581-600F390FT	600F390FT250XT	39	1%				4000	
581-600F390JT	600F390JT250XT	39	5%				500	
581-600F470JT	600F470JT250XT	47	5%				4000	
581-600F560JT	600F560JT250XT	56	5%				500	
581-600F680JT	600F680JT250XT	68	1%				500	
581-600F680JT	600F680JT250XT	68	5%				500	
581-600F820JT	600F820JT250XT	82	5%				500	
581-600F101JT	600F101JT250XT	100	5%				500	
581-600F121JT	600F121JT250XT	120	5%				500	
581-600F151JT	600F151JT250XT	150	5%				500	
581-600F211JT	600F211JT250XT	220	5%				500	
581-600F241JT	600F241JT250XT	240	5%				500	

800 SERIES NPO CERAMIC, HIGH RF POWER ULTRA-LOW ESR MULTILAYER CAPACITORS

- Features:**
- Rugged, reliable NPO dielectric
 - Case optimized for highest self resonant frequency
 - Lowest ESR
 - Capable of highest RF Power

- Circuit Applications:**
- High RF Power Filter Networks
 - Combiners
 - Couplers
 - Matching Networks
 - Output, Antenna coupling
 - DC Blocking and Bypassing

- Applications:**
- UHF and Microwave
 - Communications Systems
 - Wireless communications
 - Public safety radio
 - Telecom
 - WiMAX
 - Satellite Systems

DIMENSIONS: in. (mm)		Case Size	Length (L)	Width (W)	Thickness (T)	Overlap (Y)
		0505 (A)	.055 ± .015, -.010 (1.40 ± 0.38, -0.25)	.055 ± .015 (1.40 ± 0.38)	0.57 max. (1.45 max.)	.010 ± .010, -.005 (0.25 ± 0.25, -0.13)
		1111 (B)	.110 ± .020, -.010 (2.79 ± 0.51, -0.25)	.110 ± .015 (2.79 ± 0.38)	.070 max. (1.78 max.)	.015 ± .010 (0.38 ± 0.25)

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ATC Part No.	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
Case Size 0505 - 250V								
581-800A100FT	800A100FT250XT	10	1%				4000	
Case Size 1111 - 500V								
581-800B1R2BT	800B1R2BT500XT	1.2	.1pF				500	
581-800B2R2BT	800B2R2BT500XT	2.2	.1pF				500	
581-800B2R7BT	800B2R7BT500XT	2.7	.1pF				500	
581-800B3R3BT	800B3R3BT500XT	3.3	.1pF				500	
581-800B3R9BT	800B3R9BT500XT	3.9	.1pF				500	
581-800B4R7BT	800B4R7BT500XT	4.7	.1pF				500	
581-800B4R7CT	800B4R7CT500XT	4.7	.25pF				500	

MOUSER STOCK NO.	ATC Part No.	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
Case Size 1111 - 500V (Cont.)								
581-800B5R6BT	800B5R6BT500XT	5.6	.1pF				500	
581-800B5R6CT	800B5R6CT500XT	5.6	.25pF				500	
581-800B6R8BT	800B6R8BT500XT	6.8	.1pF				500	
581-800B8R2BT	800B8R2BT500XT	8.2	.1pF				500	
581-800B100JT	800B100JT500XT	10	5%				500	
581-800B120JT	800B120JT500XT	12	5%				500	
581-800B101JT	800B101JT500XT	100	5%				500	
581-800B151JT	800B151JT500XT	150	5%				500	

550 SERIES UBC ULTRA-BROADBAND CAPACITORS

- Features:**
- Orientation Insensitive
 - One Piece Construction
 - Ultra low insertion loss
 - Excellent return loss

- Unit to unit performance repeatability
- Rugged ceramic construction
- Operating temp. range: -55°C to +125°C

- Applications:**
- Optoelectronics/High speed data
 - Transimpedance amplifiers
 - Broadband test equipment
 - Broadband microwave/millimeter wave

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ATC Part No.	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
				1	10	100		
0201 Case Size - 10V								
581-550Z103PTT	550Z103PTT	10	100%				500	
0402 Case Size - 16V								
581-550L104KCA	550L104KCA	100	10%				500	
581-550L104KTT	550L104KTT	100	10%				500	

DIMENSIONS: in. (mm)		Case Size	Length (L)	Width (W)	Height (H)	Overlap (Y)
		0201 (Z)	0.023 ± 0.001 (0.6 ± 0.03)	0.012 ± 0.001 (0.3 ± 0.03)	0.012 ± 0.001 (0.3 ± 0.03)	0.007 ± 0.002 (0.178 ± 0.051)
		0402 (L)	0.040 ± 0.004 (1.016 ± 0.1)	0.020 ± 0.004 (0.508 ± 0.1)	0.024 max. (0.610 max.)	0.005 ± 0.002 (0.128 ± 0.051)

AVX SMD Ceramic Chip Capacitors



NEW AT MOUSER

Ceramic Caps, SMD

AVX

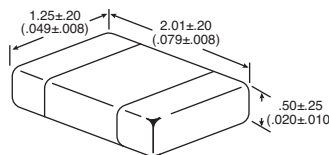
NEW AT MOUSER

NEW AT MOUSER

STYLE 0805 MULTILAYER CERAMIC CHIP CAPACITORS

This product is RoHS compliant.

MOUSER STOCK NO.	AVX Part No.	Value (pF)	Volt	Tol. ± %	Price Each			Reel Qty.	Price Per Piece
					1	100	1000		
Temperature Coefficient: C0G									
581-08052U1R0CAT2A	08052U1R0CAT2A	1	200	.25				2000	
581-08051A1R2CAT2A	08051A1R2CAT2A	1.2	100	.25				4000	
581-08055A1R5C	08055A1R5CAT2A	1.5	500	.25				4000	
581-08051A2R0C	08051A2R0CAT2A	2	100	.25				4000	
581-08051A2R2CAT2A	08051A2R2CAT2A	2.2	100	.25				4000	
581-08055A2R2C	08055A2R2CAT2A	2.2	500	.25				4000	
581-08052U3R3DAT2A	08052U3R3DAT2A	3.3	200	.5				2000	
581-08051A3R6CAT2A	08051A3R6CAT2A	3.6	100	.25				4000	
581-08052U3R9BAT2A	08052U3R9BAT2A	3.9	200	.1				2000	
581-08051A4R7B	08051A4R7BAT2A	4.7	100	.10				4000	
581-08052U5R6CAT2A	08052U5R6CAT2A	5.6	200	.25				2000	
581-08051A6R8JAT2A	08051A6R8JAT2A	6.8	100	5				4000	
581-08052U6R8CAT2A	08052U6R8CAT2A	6.8	200	.25				2000	
581-08052U100G	08052U100GAT2A	10	200	2				2000	
581-0805AA100MAT1A	0805AA100MAT1A	10	500	20				2000	
581-0805AA100MAT1A	0805AA100MAT1A	10	500	20				2000	
581-08051A110JAT2A	08051A110JAT2A	11	100	5				4000	
581-08052U120G	08052U120GAT2A	12	200	2				2000	
581-08051A150FAT2A	08051A150FAT2A	15	100	1				4000	
581-08051A150K	08051A150KAT2A	15	100	10				4000	
581-08051A180F	08051A180FAT2A	18	100	1				4000	
581-08051A220F	08051A220FAT2A	22	100	1				4000	
581-08051A220GAT2A	08051A220GAT2A	22	100	2				4000	
581-08051A240FAT2A	08051A240FAT2A	24	100	1				4000	
581-08051A270GAT2A	08051A270GAT2A	27	100	2				4000	
581-08052U270G	08052U270GAT2A	27	200	2				2000	
581-08055A330FAT2A	08055A330FAT2A	33	500	1				4000	
581-08051A360JAT2A	08051A360JAT2A	36	100	5				4000	
581-08051A470G	08051A470GAT2A	47	100	2				4000	
581-08052U470FAT2A	08052U470FAT2A	47	200	1				2000	
581-08051A560F	08051A560FAT2A	56	100	1				4000	
581-08052U560G	08052U560GAT2A	56	200	2				2000	
581-08051A680F	08051A680FAT2A	68	100	1				4000	
581-08052U820G	08052U820GAT2A	82	200	2				2000	
581-08051A910JAT2A	08051A910JAT2A	91	100	5				4000	
581-08051A101JAT4A	08051A101JAT4A	100	100	5				10000	
581-0805AA101KAT1A	0805AA101KAT1A	100	500	10				2000	
581-08051A121K	08051A121KAT2A	120	100	10				4000	
581-08051A131FAT2A	08051A131FAT2A	130	100	1				4000	
581-08051A151FAT2A	08051A151FAT2A	150	100	1				4000	
581-08051A181F	08051A181FAT2A	180	100	1				4000	
581-08051A181J	08051A181JAT2A	180	100	5				4000	
581-08051A221MAT2A	08051A221MAT2A	220	100	20				4000	
581-08055A221FAT2A	08055A221FAT2A	220	500	1				4000	
581-08051A241FAT2A	08051A241FAT2A	240	100	1				4000	
581-08055A271FAT2A	08055A271FAT2A	270	500	1				4000	
581-08051A301FAT2A	08051A301FAT2A	300	100	1				4000	
581-08055A301JAT2A	08055A301JAT2A	300	500	5				4000	
581-08055A331FAT2A	08055A331FAT2A	330	500	1				4000	
581-08051A361JAT2A	08051A361JAT2A	360	100	5				4000	
581-08055A391JAT2A	08055A391JAT2A	390	500	5				4000	
581-08055A471G	08055A471GAT2A	470	500	2				4000	
581-08055A501GAT2A	08055A501GAT2A	500	500	2				4000	
581-08051A561JAT2A	08051A561JAT2A	560	100	5				4000	
581-08055A561FAT2A	08055A561FAT2A	560	500	1				4000	
581-08055A681KAT2A	08055A681KAT2A	680	500	10				4000	
581-08055A751JAT2A	08055A751JAT2A	750	500	5				4000	
581-08051A821JAT2A	08051A821JAT2A	820	100	5				4000	
581-08055A122GAT2A	08055A122GAT2A	1200	500	2				4000	
581-08055A152FAT2A	08055A152FAT2A	1500	500	1				4000	
581-08053A222FAT2A	08053A222FAT2A	2200	300	1				4000	
581-08053A272J	08053A272JAT2A	2700	300	5				4000	
581-08053A272KAT2A	08053A272KAT2A	2700	300	10				4000	
581-08055A272FAT2A	08055A272FAT2A	2700	500	1				2000	



DIMENSIONS: mm (in.)

MOUSER STOCK NO.	AVX Part No.	Value (pF)	Volt	Tol. ± %	Price Each			Reel Qty.	Price Per Piece
					1	100	1000		
Temperature Coefficient: X5R									
581-08053D334K	08053D334KAT2A	0.33µF	300	10				3000	
581-08053D684K	08053D684KAT2A	0.68µF	300	10				3000	
581-08056D225K	08056D225KAT2A	2.2µF	500	10				3000	
581-0805ZD225MAT2A	0805ZD225MAT2A	2.2µF	500	20				3000	
581-08056D226M	08056D226MAT2A	2.2µF	500	20				3000	
581-08056D475M	08056D475MAT2A	4.7µF	500	20				3000	
581-0805YD475MAT2A	0805YD475MAT2A	4.7µF	500	20				3000	
581-0805ZD475M	0805ZD475MAT2A	4.7µF	500	20				3000	
Temperature Coefficient: X7R									
581-08052A680JAT2A	08052A680JAT2A	68	200	5				4000	
581-08051U151F	08051U151FAT2A	150	100	1				4000	
581-08052A151JAT2A	08052A151JAT2A	150	200	5				4000	
581-08052A221FAT2A	08052A221FAT2A	220	200	1				4000	
581-08052C271KAT2A	08052C271KAT2A	270	200	10				4000	
581-08052C331JAT2A	08052C331JAT2A	330	200	5				4000	
581-08052C331KAT2A	08052C331KAT2A	330	200	10				4000	
581-08052C391KAT2A	08052C391KAT2A	390	200	10				4000	
581-08052A471JAT2A	08052A471JAT2A	470	200	5				4000	
581-08052C471JAT2A	08052C471JAT2A	470	200	5				4000	
581-08052C501KAT2A	08052C501KAT2A	500	200	10				4000	
581-08052C681KAT2A	08052C681KAT2A	680	200	10				4000	
581-08052C821KAT2A	08052C821KAT2A	820	200	10				4000	
581-08052C102JAT2A	08052C102JAT2A	1000	200	5				4000	
581-08052C102MAT2A	08052C102MAT2A	1000	200	20				4000	
581-08051C152JAT2A	08051C152JAT2A	1500	100	5				4000	
581-08051C152KAT2A	08051C152KAT2A	1500	100	10				4000	
581-08051C182KAT2A	08051C182KAT2A	1800	100	10				4000	
581-08051C202KAT2A	08051C202KAT2A	2000	100	10				4000	
581-08052C222KAT2A	08052C222KAT2A	2200	200	10				4000	
581-08051C272KAT	08051C272KAT2A	2700	100	10				4000	
581-08051C472JAT2A	08051C472JAT2A	4700	100	5				4000	
581-08051C153JAT2A	08051C153JAT2A	.015µF	100	5				4000	
581-08051C183K	08051C183KAT2A	.018µF	100	10				4000	
581-08051C223JAT2A	08051C223JAT2A	.022µF	100	5				4000	
581-08051C273JAT2A	08051C273JAT2A	.027µF	100	5				4000	
581-08055C273K	08055C273KAT2A	.027µF	500	10				4000	
581-08055C333JAT2A	08055C333JAT2A	.033µF	500	5				4000	
581-08055C473KAT4A	08055C473KAT4A	.047µF	500	10				4000	
581-08055C823JAT2A	08055C823JAT2A	.082µF	500	5				4000	
581-08053C124KAT2A	08053C124KAT2A	.12µF	300	10				4000	
581-08053C184KAT2A	08053C184KAT2A	.18µF	300	10				4000	
581-0805YC184K	0805YC184KAT2A	.18µF	500	10				4000	
581-0805YC224JAT2A	0805YC224JAT2A	.22µF	500	5				4000	
581-0805YC334J	0805YC334JAT2A	.33µF	500	5				2000	
581-08053C105MAT2A	08053C105MAT2A	1µF	300	20				3000	
581-0805ZC105MAT2A	0805ZC105MAT2A	1µF	500	20				2000	
581-0805YC475MAT2A	0805YC475MAT2A	4.7µF	500	20				3000	
Temperature Coefficient: V5V									
581-08053G224ZAT2A	08053G224ZAT2A	.22µF	300	+80 -20				4000	
581-08055G334Z	08055G334ZAT2A	.33µF	500	+80 -20				4000	
581-08053G474ZAT2A	08053G474ZAT2A	.47µF	300	+80 -20				3000	

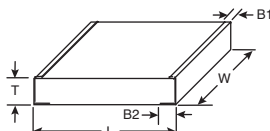
ACCU-P® C005 SERIES - ULTRA-MINIATURE 01005 SIZE, THIN FILM RF/MICROWAVE CAPS

Features:

- Low ESR and high Q at VHF, UHF and microwave frequencies
- TC ±30, ±60ppm/°C
- Nickel/Solder - coated terminations provide excellent solderability and leach resistance
- High insulation resistance: IR ≥ 1010 Ohm
- Orientation provides high SRF uniformity
- Repeatable CEFF, ESR and Q vs. Frequency parameters, both lot to lot and within lots, for increased production yields

Applications:

- RF Modules
- Mobile communications
- Satellite TV
- Global positioning systems
- Filters
- VCO's
- Matching networks



DIMENSIONS: mm (in.)

L	0.405±0.020 (0.016±0.001)
W	0.215±0.020 (0.0085±0.001)
T	0.145±0.020 (0.006±0.001)
B	Top (B1): 0.0 ±0.10/-0.0 (0.0 ±0.004/-0.0)
	Bottom (B2): 0.10±0.03 (0.004±0.001)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Temp Coef.	Price Each				
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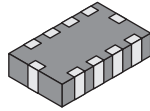
AVX Feedthru 0805/1206 Capacitors



RoHS Compliant This product is RoHS compliant.

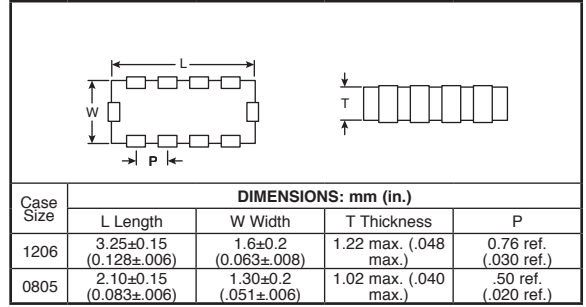
4 ELEMENT FEEDTHRU ARRAYS

The Feedthru Capacitor Array contains four elements with a common ground connection. This makes them an ideal choice for multi-line designs needing EMI suppression, broadband I/O filtering or Vcc power line conditioning. Additional benefits are reduced component count and PCB space savings. The unique construction provides low parallel inductance and offers excellent decoupling capability for all high d/dt environments. It provides significant noise reduction in digital circuits to <5GHz.



Specifications :

- Capacitance tolerance: +50%, -20%
- Current rating 300mA:
- Insulation resistance: 1000MΩ
- DC resistance: <0.6Ω
- Operating temperature range: -55°C to +125°C



W3F4 Series: Size 1206

MOUSER STOCK NO.	AVX Part No.	Typical Cap. (pF)	Voltage Rating (V)	Dielectric	Roll Off Freq. (MHz)	Center Freq. (MHz)	10dB Point (MHz)	20dB Range (MHz)		Price Each				
								Min Freq.	Max Freq.	1	25	100	500	1000
581-W3F41A2208AT1F	W3F41A2208AT1F	22	100	COG (NP0)	270	2640	970	1780	3500					
581-W3F41A4708AT1F	W3F41A4708AT1F	47	100	COG (NP0)	65	2000	185	600	3400					
581-W3F41A1018AT1F	W3F41A1018AT1F	100	100	COG (NP0)	65	2030	185	560	3500					
581-W3F45C2218AT1F	W3F45C2218AT1F	220	50	X7R	35	1885	120	470	3300					
581-W3F45C4718AT1F	W3F45C4718AT1F	470	50	X7R	20	1860	60	220	3500					

For quantities greater than listed, call for quote.

W2F4 Series: Size 0805

MOUSER STOCK NO.	AVX Part No.	Typical Cap. (pF)	Voltage Rating (V)	Dielectric	Roll Off Freq. (MHz)	Center Freq. (MHz)	10dB Point (MHz)	20dB Range (MHz)		Price Each				
								Min Freq.	Max Freq.	1	25	100	500	1000
581-W2F43A2208AT1F	W2F43A2208AT1F	22	25	COG (NP0)	208	4750	616	1407	7300					
581-W2F43A4708AT1F	W2F43A4708AT1F	47	25	COG (NP0)	110	2750	330	900	4600					
581-W2F43A1018AT1F	W2F43A1018AT1F	100	25	COG (NP0)	60	1300	179	501	7200					

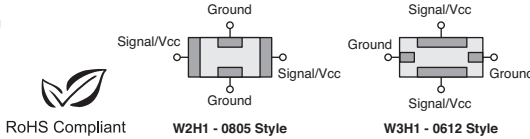
For quantities greater than listed, call for quote.

W2H/W3H SERIES HIGH CURRENT FEEDTHRU CAPACITORS

High current feedthru capacitors are designed as a broadband EMI filter that is specially designed to have high current handling capability. These SMT feedthru filters offer an optimized frequency response with high attenuation across a wide RF spectrum due to optimized parallel and series inductances.

Applications:

- Power amplifier (PA) decoupling
- DC/DC converters
- Power supervisory circuits
- Digital to RF block filtering
- Telecom
- LCD displays
- Charge pump converters



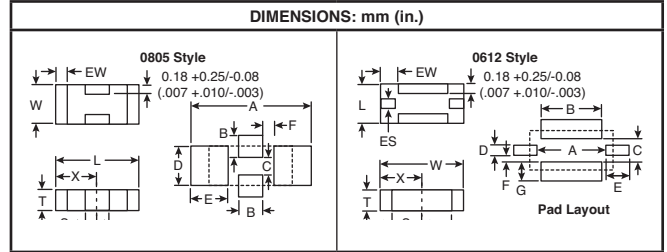
RoHS Compliant

W2H1 - 0805 Style

W3H1 - 0612 Style

Key Features/Benefits:

- SMD device
- Broadband filtering
- Operates at frequencies up to 5GHz
- Attenuation of >30dB



Case Size	Chip Dimensions: mm (in.)								Pad Layout Dimensions: mm (in.)						
	L	W	T Max.	BW	ES	EW	X	S	A	B	C	D	E	F	G
0805	2.01 ± 0.20 (.079 ± .008)	1.25 ± 0.20 (.049 ± .008)	1.14 max. (.045 max.)	0.46 ± 0.10 (.018 ± .004)	n/a	0.25 ± 0.13 (.010 ± .005)	1.02 ± 0.10 (.040 ± .004)	0.23 ± 0.05 (.009 ± .002)	3.45 (.136)	0.51 (.020)	0.76 (.030)	1.27 (.050)	1.02 (.040)	0.46 (.018)	n/a
0612	1.60 ± 0.20 (.063 ± .008)	3.20 ± 0.20 (.126 ± .008)	1.22 max. (.048 max.)	2.80 ± .127 (.110 ± .005)	0.41 ± 0.10 (.016 ± .004)	0.41 ± 0.10 (.016 ± .004)	1.60 ± 0.10 (.063 ± .004)	1.40 ± 0.07 (.055 ± .003)	2.54 (.100)	3.05 (.120)	1.12 (.044)	.460 (.018)	.610 (.024)	.330 (.013)	.710 (.028)

0805

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Typical Capacitance (pF)	Voltage Rating (V)	Dielectric	Current (A)	Tolerance ±	Price Each				
							1	25	100	500	1000
581-W2H13C1048AT1F	W2H13C1048AT1F	100000	25	X7R	2	+50%-20%					
581-W2H15C4738AT1F	W2H15C4738AT1F	47000	50	X7R	2	+50%-20%					
581-W2H15C2238AT1F	W2H15C2238AT1F	22000	50	X7R	1	+50%-20%					
581-W2H15C1038AT1F	W2H15C1038AT1F	10000	50	X7R	1	+50%-20%					
581-W2H15C1028AT1F	W2H15C1028AT1F	1000	50	X7R	1	+50%-20%					
581-W2H11A4718AT1F	W2H11A4718AT1F	470	100	COG (NP0)	0.5	+50%-20%					
581-W2H11A2218AT1F	W2H11A2218AT1F	220	100	COG (NP0)	0.5	+50%-20%					
581-W2H11A1018AT1F	W2H11A1018AT1F	100	100	COG (NP0)	0.5	+50%-20%					
581-W2H11A4708AT1F	W2H11A4708AT1F	47	100	COG (NP0)	0.5	+50%-20%					
581-W2H11A2208AT1F	W2H11A2208AT1F	22	100	COG (NP0)	0.5	+50%-20%					

0612

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Typical Capacitance (pF)	Voltage Rating (V)	Dielectric	Current (A)	Tolerance ±	Price Each				
							1	25	100	500	1000
581-W3H13C1048AT1F	W3H13C1048AT1F	100000	25	X7R	up to 5	+50%-20%					
581-W3H15C4738AT1F	W3H15C4738AT1F	47000	50	X7R	up to 5	+50%-20%					
581-W3H15C2238AT1F	W3H15C2238AT1F	22000	50	X7R	up to 4	+50%-20%					
581-W3H15C1038AT1F	W3H15C1038AT1F	10000	50	X7R	up to 3	+50%-20%					
581-W3H11A4718AT1F	W3H11A4718AT1F	470	100	COG (NP0)	up to 4	+50%-20%					
581-W3H11A2218AT1F	W3H11A2218AT1F	220	100	COG (NP0)	up to 4	+50%-20%					
581-W3H11A1018AT1F	W3H11A1018AT1F	100	100	COG (NP0)	up to 4	+50%-20%					
581-W3H11A4708AT1F	W3H11A4708AT1F	47	100	COG (NP0)	up to 3	+50%-20%					
581-W3H11A2208AT1F	W3H11A2208AT1F	22	100	COG (NP0)	up to 3	+50%-20%					

AVX Ceramic Chip Capacitors



AVX W2F/W3F SERIES FEEDTHRU 0805/1206 CAPACITORS

General Description:

- AVX's line of feedthru capacitors are ideal choices for EMI suppression, broadband I/O filtering or Vcc power line conditioning.
- The unique construction of a feedthru capacitor provides low parallel inductance and offers excellent decoupling capability for all high di/dt environments and provides significant noise reduction in digital circuits to $\leq 5\text{GHz}$

Specifications:

- Current rating: 300mA
- Insulation resistance: 1000M Ω
- DC resistance: $\leq 0.6\Omega$
- Operating temperature range: -55°C to +125°C

	Chip Dimensions: mm (in.)							Pad Layout Dimensions: mm (in.)						
	L	W	T Max.	BW	EW	X	S	T	P	S	W	L	C	
0805	2.01 (0.079)	1.25 (0.049)	1.14 (0.045)	0.46 (0.018)	0.25 (0.010)	1.02 (0.040)	0.23 (0.009)	3.45 (0.136)	0.51 (0.020)	0.76 (0.030)	1.27 (0.050)	1.02 (0.040)	0.46 (0.018)	
1206	3.20 (0.126)	1.60 (0.063)	1.27 (0.050)	0.89 (0.035)	0.38 (0.015)	1.60 (0.063)	0.46 (0.018)	4.54 (0.179)	0.94 (0.037)	1.02 (0.040)	1.65 (0.065)	1.09 (0.043)	0.71 (0.028)	

MOUSER STOCK NO.	AVX Part No.	Dielectric	Value (μF)	Voltage	Price Each			Reel Qty.	Price Per Piece
					1	50	100		
Style 0805									
581-W2F11A2208AT1F	W2F11A2208AT1F	NP0	22	100				1000	
581-W2F11A4708AT1F	W2F11A4708AT1F	NP0	47	100				1000	
581-W2F11A4708AT1A	W2F11A4708AT1A	NP0	47	100				4000	
581-W2F11A1018AT1F	W2F11A1018AT1F	NP0	100	100				1000	
581-W2F15C1028AT1A	W2F15C1028AT1A	X7R	100	50				4000	
581-W2F11A2218AT1F	W2F11A2218AT1F	NP0	220	100				1000	
581-W2F11A4718AT1F	W2F11A4718AT1F	NP0	470	100				1000	
581-W2F11A4718AT1A	W2F11A4718AT1A	NP0	470	100				4000	
581-W2F15C1028AT1F	W2F15C1028AT1F	X7R	1000	50				1000	
581-W2F15C2228AT1F	W2F15C2228AT1F	X7R	2200	50				1000	
581-W2F15C4728AT1F	W2F15C4728AT1F	X7R	4700	50				1000	
581-W2F15C1038AT1F	W2F15C1038AT1F	X7R	.01 μF	50				1000	
581-W2F15C2238AT1F	W2F15C2238AT1F	X7R	.022 μF	50				1000	
581-W2F15C4738AT1F	W2F15C4738AT1F	X7R	.047 μF	50				1000	
Style 1206									
581-W3F11A2208AT1F	W3F11A2208AT1F	NP0	22	100				1000	
581-W3F11A2208AT1A	W3F11A2208AT1A	NP0	22	100				4000	
581-W3F11A4708AT1F	W3F11A4708AT1F	NP0	47	100				1000	
581-W3F11A1018AT1F	W3F11A1018AT1F	NP0	100	100				1000	
581-W3F11A2218AT1F	W3F11A2218AT1F	NP0	220	100				1000	
581-W3F11A4718AT1F	W3F11A4718AT1F	NP0	470	100				1000	
581-W3F15C1028AT1F	W3F15C1028AT1F	X7R	1000	50				1000	
581-W3F15C1028AT1A	W3F15C1028AT1A	X7R	1000	50				4000	
581-W3F15C2228AT1F	W3F15C2228AT1F	X7R	2200	50				1000	
581-W3F15C4728AT1F	W3F15C4728AT1F	X7R	4700	50				1000	
581-W3F15C1038AT1F	W3F15C1038AT1F	X7R	.01 μF	50				1000	
581-W3F15C2238AT1F	W3F15C2238AT1F	X7R	.022 μF	50				1000	
581-W3F15C2238AT1A	W3F15C2238AT1A	X7R	0.022	50				4000	
581-W3F15C4738AT1F	W3F15C4738AT1F	X7R	.047 μF	50				1000	

AVX SMD LOW INDUCTANCE CAPACITORS IDC (INTERDIGITATED CAPACITORS)

General Description:

- Very low equivalent series inductance (ESL), high speed decoupling capacitor in 0612 and 0508 case size
- Measured inductances of 60pH (for 0612) and 50pH (for 0508) are the lowest in the FR4 mountable device family
- Opposing current flow creates opposing magnetic fields causing the fields to cancel, effectively reducing the equivalent series inductance
- Perfect solution for decoupling high speed microprocessors by allowing the engineers to lower the power delivery inductance of the entire system through the use of eight vias
- Overall reduction in decoupling components due to very low series inductance and high capacitance

Specifications:

- Capacitance tolerance: $\pm 20\%$ preferred (10% available)
- Operating temperature range: X7R= -55°C to +125°C, X5R= -55°C to +85°C
- Temperature coefficient: $\pm 15\%$ (OVDC)
- Dissipation factor: 4V, 6.3V = 6.5% max; 10V = 5.0% max; 16V = 3.5% max, or 1,000M Ω per μF min., whichever is less
- Dielectric strength: No problems observed after 2.5 x VRDC for 5 seconds at 50mA max current
- CTE (ppm/°C): 12.0

	Chip Dimensions: mm (in.)							Pad Layout Dimensions: mm (in.)						
	L	W	T Max.	BW	BL	P (Ref.)	X	S	A	B	C	D	E	
0306	0.82 (0.032)	1.60 (0.063)	-	0.25 (0.010)	0.20 (0.008)	0.40 (0.015)	-	-	0.38 (0.015)	0.89 (0.035)	1.27 (0.050)	0.20 (0.008)	0.40 (0.015)	
0508	2.03 (0.080)	1.27 (0.050)	0.965 (0.038)	0.254 (0.010)	0.18 (0.007)	0.50 (0.020)	0.76 (0.030)	0.254 (0.010)	0.64 (0.025)	1.27 (0.050)	1.91 (0.075)	0.28 (0.011)	0.50 (0.020)	
0612	3.20 (0.126)	1.60 (0.063)	1.22 (0.048)	0.41 (0.016)	0.18 (0.007)	0.80 (0.031)	1.14 (0.045)	0.38 (0.015)	0.89 (0.035)	1.65 (0.065)	2.54 (0.100)	0.46 (0.018)	0.80 (0.031)	

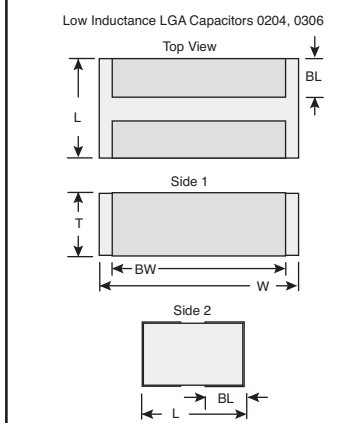
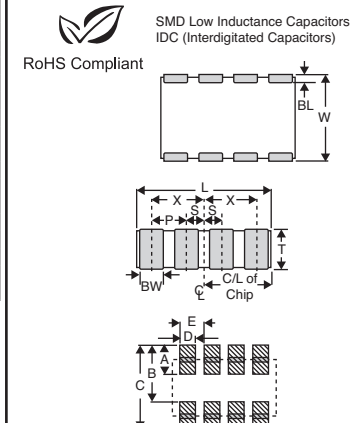
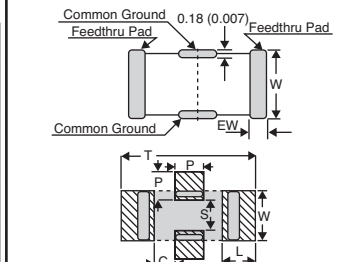
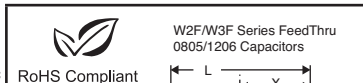
Style 0306									
581-W4L14Z104MAT1S	W4L14Z104MAT1S	X7S	0.10	4	4000				
581-W4L14Z224MAT1S	W4L14Z224MAT1S	X7S	0.22	4	4000				
581-W4L14Z474MAT1S	W4L14Z474MAT1S	X7S	0.47	4	4000				
Style 0508									
581-W2L1ZC104MAT1S	W2L1ZC104MAT1S	X7R	0.10	10	4000				
581-W2L1YC104MAT1A	W2L1YC104MAT1A	X7R	0.10	16	4000				
581-W2L16C224MAT1A	W2L16C224MAT1A	X7R	0.22	6.3	4000				
581-W2L1ZC474MAT1A	W2L1ZC474MAT1A	X7R	0.47	10	4000				
581-W2L14C105MAT1A	W2L14C105MAT1A	X7R	1.0	4.0	4000				
581-W2L16C105MAT1A	W2L16C105MAT1A	X7R	1.0	6.3	4000				
581-W2L16D105MAT1A	W2L16D105MAT1A	X5R	1.0	6.3	4000				
581-W2L14Z105MAT1S	W2L14Z105MAT1S	X7S	1.0	4.0	4000				
Style 0612									
581-W3L1YC224MAT1S	W3L1YC224MAT1S	X7R	0.22	16	4000				
581-W3L1YC474MAT1A	W3L1YC474MAT1A	X7R	0.47	16	4000				
581-W3L1ZC105MAT1A	W3L1ZC105MAT1A	X7R	1.0	10	2000				
581-W3L1YC105MAT1A	W3L1YC105MAT1A	X7R	1.0	16	2000				
581-W3L16C225MAT1A	W3L16C225MAT1A	X7R	2.2	6.3	2000				
581-W3L14C225MAT1A	W3L14C225MAT1A	X7R	2.2	4.0	2000				
581-W3L16D225MAT1A	W3L16D225MAT1A	X5R	2.2	6.3	4000				
581-W3L14D335MAT1A	W3L14D335MAT1A	X5R	3.3	4.0	4000				

AVX LOW INDUCTANCE LGA CAPACITORS

AVX has introduced a revolutionary new capacitor for low inductance LGA (land grid array) capacitors have virtually the equivalent high frequency performance of 8-terminal IDCs (Inter-Digitated Capacitors) but are built in a simplified 2 terminal package. This provides for lower manufacturing cost and easier handling and design. LGA are ideal for decoupling in semiconductor package-level and board-level applications.

	Chip Dimensions: mm (in.)				
	L Length	W Width	T Max.	BW	BL
0204	0.5 (19.5)	1.00 (40.0)	0.50 (19.5)	0.8 (31.0)	0.13 (5.00)
0306	0.76 (30.0)	1.60 (63.0)	0.50 (19.5)	1.50 (59.0)	0.28 (11.0)
0805	2.06 (0.081)	1.32 (0.052)	0.50 (0.020)	1.14 (0.045)	0.90 (0.035)

0204									
581-LG126D104MAT2S1	LG126D104MAT2S1	X5R	0.1	6.3	2000				
581-LG126Z104MAT2S1	LG126Z104MAT2S1	X7S	0.1	6.3	4000				
0306									
581-LG224Z334MAT2S1	LG224Z334MAT2S1	X7S	0.33	4	4000				
581-LG224Z474MAT2S1	LG224Z474MAT2S1	X7S	0.47	4	4000				
581-LG226C103MAT2S1	LG226C103MAT2S1	X7R	0.01	6.3	4000				
581-LG226C104MAT2S1	LG226C104MAT2S1	X7R	0.1	6.3	4000				
0805									
581-LGC26D105MAT2S1	LG26D105MAT2S1	X5R	1	6.3	4000				
581-LGC24D225MAT2S1	LG24D225MAT2S1	X5R	2.2	4	4000				



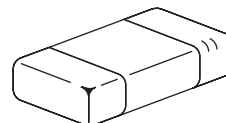
AVX FLEXISAFE MULTILAYER CERAMIC CHIP CAPACITORS

AVX has developed a range of components specifically for safety critical applications. Utilizing the award-winning FLEXITERM™ layer in conjunction with the cascade design previously used for high voltage MLCCs, a range of ceramic capacitors is now available for customers who require components designed with an industry leading set of safety features. The FLEXITERM™ layer protects the component from any damage to the ceramic resulting from mechanical stress during PCB assembly or use with end customers. Board flexure type mechanical damage accounts for the majority of MLCC failures. The addition of the cascade structure protects the component from low insulation resistance failure resulting from other common causes for failure; thermal stress damage, repetitive strike ESD damage and placement damage. With the inclusion of the cascade design structure to complement the FLEXITERM™ layer, the FLEXISAFE range of capacitors has unbeatable safety features.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (μF)	Volt	Price Each					Reel Qty.	Price Per Piece	
					1	50	100	500	1000			
0603												
581-FS035C223K4Z2A	FS035C223K4Z2A	X7R	0.022	50						4000		
581-FS035C103K4Z2A	FS035C103K4Z2A	X7R	0.01	50						4000		
581-FS031C103K4Z2A	FS031C103K4Z2A	X7R	0.01	100						4000		
581-FS055C104K4Z2A	FS055C104K4Z2A	X7R	0.1	50						2000		
0805												
581-FS055C102KAZ2A	FS055C102KAZ2A	X7R	0.001	50						2000		
581-FS055C103KAZ2A	FS055C103KAZ2A	X7R	0.01	50						2000		
581-FS055C104KAZ2A	FS055C104KAZ2A	X7R	0.1	50						2000		
1206												
581-FS065C102KAZ2A	FS065C102KAZ2A	X7R	0.001	50						2000		
581-FS065C104K4Z2A	FS065C104K4Z2A	X7R	0.1	50						2000		



AVX Ceramic Caps, SMD

AVX PG SERIES LOW INDUCTANCE LGA CAPACITORS

AVX has introduced a revolutionary new capacitor for low inductance LGA (land grid array) capacitors have virtually the equivalent high frequency performance of 8-terminal ICs (Inter-Digitated Capacitors) but are built in a simplified 2 terminal package. This provides for lower manufacturing cost and easier handling and design. LGA are ideal for decoupling in semiconductor package-level and board-level applications.

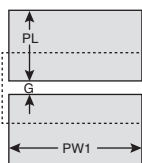


Part Dimensions

Series	L	W	T	BW	BL
PG12 (0204)	0.5 ± 0.05 (0.020 ± 0.002)	1.00 ± 0.10 (0.039 ± 0.004)	0.50 ± 0.05 (0.020 ± 0.002)	0.8 ± 0.10 (0.031 ± 0.004)	0.13 ± 0.08 (0.005 ± 0.003)
PG22 (0306)	0.76 ± 0.10 (0.030 ± 0.004)	1.60 ± 0.10 (0.063 ± 0.004)	0.50 ± 0.05 (0.020 ± 0.002)	1.50 ± 0.10 (0.059 ± 0.004)	0.28 ± 0.08 (0.011 ± 0.003)
PGC2 (0805)	2.06 ± 0.10 (0.081 ± 0.004)	1.32 ± 0.10 (0.052 ± 0.004)	0.50 ± 0.05 (0.020 ± 0.002)	1.14 ± 0.10 (0.045 ± 0.004)	0.90 ± 0.08 (0.035 ± 0.003)

Recommended Solder Pad Dimensions

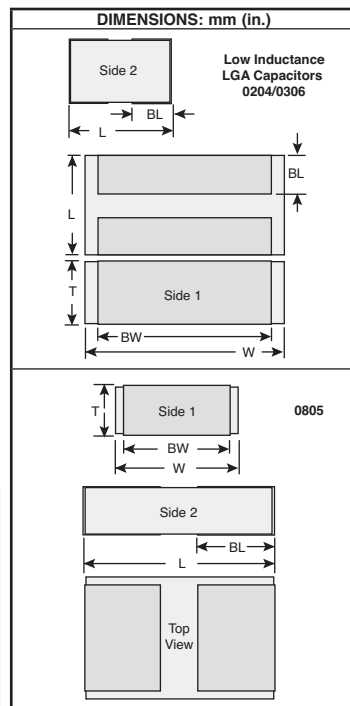
Series	PL	PW1	G
PG12 (0204)	0.50 (0.020)	1.00 (0.039)	0.20 (0.008)
PG22 (0306)	0.65 (0.026)	1.50 (0.059)	0.20 (0.008)
PGC2 (0805)	1.25 (0.049)	1.40 (0.055)	0.20 (0.008)



DIMENSIONS: mm (in.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Dielectric	Value (μF)	Voltage (V)	Price Each					Reel Qty.	Price Per Piece	
					1	50	100	500	1000			
0204												
581-PG126Z104MAB2S1	PG126Z104MAB2S1	X7S	0.10	6.3						4000		
0306												
581-PG226C103MAB2S1	PG226C103MAB2S1	X7R	0.01	6.3						4000		
581-PG226Z104MAB2S1	PG226Z104MAB2S1	X7S	0.10	6.3						4000		
581-PG224Z474MAB2S1	PG224Z474MAB2S1	X7S	0.47	4						4000		
0805												
581-PGC26D105MAB2S1	PGC26D105MAB2S1	X5R	1	6.3						4000		
581-PGC24D225MAB2S1	PGC24D225MAB2S1	X5R	2.2	4						4000		



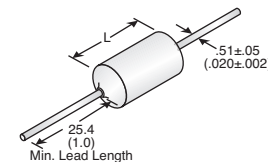
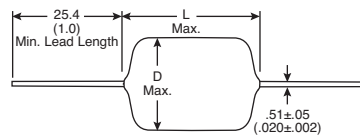
AVX TRANSGUARD™ AXIAL CERAMIC TRANSIENT VOLTAGE SUPPRESSORS

The AVX TransGuard™ Transient Voltage Suppressors (TVS) with unique high-energy multilayer construction represents state-of-the-art overvoltage circuit protection. Monolithic multilayer construction provides protection from voltage transients caused by ESD, lightning, Nuclear Explosion Magnetic Pulse (NEMP), inductive switching, etc. True surface mount product is provided in EIA industry standard packages.

TransGuard products are zinc oxide (ZnO) based ceramic semiconductor devices with non-linear voltage-current characteristics (bi-directional) similar to back-to-back zener diodes. They have the added advantage of greater current and energy handling capabilities as well as EMI/RFI attenuation. Devices are fabricated by ceramic sintering process that yields a structure of conductive ZnO grains surrounded by electrically insulating barriers, creating varistor-like behavior.

DIMENSIONS: mm (in.)

Size	L	D
1000	4.32 (0.170)	2.54 (0.100)
2000	4.83 (0.190)	3.56 (0.140)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Working Voltage (DC)	Working Voltage (AC)	Breakdown Voltage (V@ImA _{DC})	Clamping Voltage (V@I _{VC})	Test Current For V _c (A, 8x20μs)	Max. Leakage Current (μA)	Transient Energy Rating (Joules (J))	Peak Current Rating (A, 8x20μs)	Typical Cap (pF)	Frequency	Price Each			
												1	100	500	1000
581-VA100003A100DL	VA100003A100DL	3.3	2.3	5.0±20%	12	1	100	0.1	40	1500	K				
581-VA100003D100DL	VA100003D100DL	3.3	2.3	5.0±20%	12	1	100	0.4	150	4700	K				
581-VA100005A150DL	VA100005A150DL	5.6	4.0	8.5±20%	18	1	35	0.1	40	1000	K				
581-VA100005D150DL	VA100005D150DL	5.6	4.0	8.5±20%	18	1	35	0.4	150	2800	K				
581-VA100014A300DL	VA100014A300DL	14.0	10.0	18.5±12%	32	1	15	0.1	40	325	K				
581-VA100014D300DL	VA100014D300DL	14.0	10.0	18.5±12%	32	1	15	0.4	150	1100	K				
581-VA100018A400DL	VA100018A400DL	18.0	13.0	25.5±10%	42	1	10	0.1	40	350	K				
581-VA100018D400DL	VA100018D400DL	18.0	13.0	25.5±10%	42	1	10	0.4	150	900	K				
581-VA100026D580DL	VA100026D580DL	26.0	18.0	34.5±10%	60	1	10	0.4	120	650	K				
581-VA100030D650DL	VA100030D650DL	30.0	21.0	41.0±10%	67	1	10	0.4	120	550	K				
581-VA100048D101DL	VA100048D101DL	48.0	34.0	62.0±10%	100	1	10	0.4	100	200	K				
581-VA200060K121DL	VA200060K121DL	60.0	42.0	76.0±10%	120	1	10	2.0	300	400	K				



This product is RoHS compliant.

AVX MH CERAMIC CAPACITORS

Lead Free Ceramic Capacitor in Molded SM Leadframe

AVX are pleased to introduce the MH range of multilayer ceramic capacitors. The MH components are surface mount molded parts with a multilayer ceramic insert. MH capacitors combine the ceramic attributes of very low ESR, non polar construction, excellent high frequency behavior, excellent voltage stress capabilities and wide temperature range; with the enhanced mechanical protection of a molded case. The MH range provides a lead free solution to customers who have previously been unable to use large case ceramic capacitors because of mechanical stressing concerns.

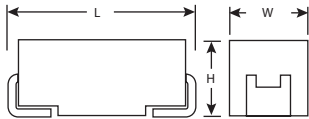
- * Tin plated
- * 7" reel



LEAD-FREE



RoHS Compliant



DIMENSIONS: mm (in.)		
L±0.20(0.008)	W+0.20(0.008) -0.10(0.004)	H+0.20(0.008) -0.10(0.004)
7.30 (0.287)	6.10 (0.240)	3.45±0.30 (0.136±0.012)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp Coeff.	Value (pF)	Volt.	Price Each			Reel Qty	Price Per Piece
					1	10	100		
581-MHV11C105MAT2A	MHV11C105MAT2A	X7R	1.0	100				400	
581-MHV11C155MAT2A	MHV11C155MAT2A	X7R	1.5	100				400	
581-MHV11C225MAT2A	MHV11C225MAT2A	X7R	2.2	100				400	
581-MHV15C475MAT2A	MHV15C475MAT2A	X7R	4.7	50				400	
581-MHV13C106MAT2A	MHV13C106MAT2A	X7R	10	25				400	
581-MHV15C106MAT2A	MHV15C106MAT2A	X7R	10	50				400	
581-MHV13C226MAT2A	MHV13C226MAT2A	X7R	22	25				400	

AVX AUTOMOTIVE MLCC

AVX Corporation has supported the automotive industry requirements for multilayer ceramic capacitors consistently for more than 10 years. Products have been developed and tested specifically for automotive applications and all manufacturing facilities are QS9000 and VDA 6.4 approved.

As part of AVX's sustained investment in capacity and state of the art technology, they are now transitioning from the established Pd/Ag electrode system to a Base Metal Electrode system (BME).

AVX is using AECQ200 as the qualification vehicle for this transition. A detailed qualification package is available on request and contains results on a range of part numbers including:

- * X7R dielectric components containing BME electrode and copper terminations with a Ni/Sn plated overcoat
- * COG/NP0 dielectric components containing Pd/Ag electrode and silver termination with a Ni/Sn plated overcoat



RoHS Compliant

DIMENSIONS: mm (in.)				
Size	0603	0805	1206	1210
(L) Length	1.60±.15 (.063±.006)	2.01±.20 (.079±.008)	3.20±.20 (.126±.008)	
(W) Width	.81±.15 (.032±.006)	1.25±.20 (.049±.008)	1.60±.20 (.063±.008)	2.50±.20 (.098±.008)
(T) Thickness	.80±.10 (.014±.006)	1.25±.20 (.020±.010)		0.50±.25 (.020±.010)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp Coeff.	Value (pF)	Volt.	Tol. ± (%)	Price Each			Reel Qty.	Price Per Piece
						1	100	500		
Style 0603										
581-06035A100J4	06035A100J4T2A	COG	10	50	5				4000	
581-06035A220J4	06035A220J4T2A	COG	22	50	5				4000	
581-06035A330J4	06035A330J4T2A	COG	33	50	5				4000	
581-06035A470J4	06035A470J4T2A	COG	47	50	5				4000	
581-06035A680J4	06035A680J4T2A	COG	68	50	5				4000	
581-06035A101J4	06035A101J4T2A	COG	100	50	5				4000	
581-06035A221J4	06035A221J4T2A	COG	220	50	5				4000	
581-06035A331J4	06035A331J4T2A	COG	330	50	5				4000	
581-06035A471J4	06035A471J4T2A	COG	470	50	5				4000	
581-06035C102K4	06035C102K4T2A	X7R	1000	50	10				4000	
581-06035F102K4	06035F102K4T2A	X8R	1000	50	10				4000	
581-06035C222K4	06035C222K4T2A	X7R	2200	50	10				4000	
581-06035C332K4	06035C332K4T2A	X7R	3300	50	10				4000	
581-06035C472K4	06035C472K4T2A	X7R	4700	50	10				4000	
581-06035C682K4	06035C682K4T2A	X7R	6800	50	10				4000	
581-06035C103K4	06035C103K4T2A	X7R	10000	50	10				4000	
581-06035F103K4	06035F103K4T2A	X8R	10000	50	10				4000	
581-06035C223K4	06035C223K4T2A	X7R	22000	50	10				4000	
581-06035C333K4	06035C333K4T2A	X7R	33000	50	10				4000	
581-06035C473K4	06035C473K4T2A	X7R	47000	50	10				4000	
581-06035F473K4	06035F473K4T2A	X8R	47000	50	10				4000	
581-06035F683K4	06035F683K4T2A	X8R	68000	25	10				4000	
581-06035C104K4	06035C104K4T2A	X7R	0.1µF	16	10				4000	
581-06035C104K4	06035C104K4T2A	X7R	0.1µF	25	10				4000	
581-06035C104K4	06035C104K4T2A	X7R	0.1µF	50	10				4000	
581-06035L104K4T2A	06035L104K4T2A	X8L	0.1µF	50	10				4000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp Coeff.	Value (pF)	Volt.	Tol. ± (%)	Price Each			Reel Qty.	Price Per Piece
						1	100	500		
Style 0805										
581-08051A100J4	08051A100J4T2A	COG	10	100	5				4000	
581-08055A220J4T2A	08055A220J4T2A	COG	22	50	5				4000	
581-08051A220J4	08051A220J4T2A	COG	22	100	5				4000	
581-08051A470J4	08051A470J4T2A	COG	47	100	5				4000	
581-08051A101J4	08051A101J4T2A	COG	100	100	5				4000	
581-08051A101J4T4A	08051A101J4T4A	COG	100	100	5				10000	
581-08051A221J4	08051A221J4T2A	COG	220	100	5				4000	
581-08051A331J4	08051A331J4T2A	COG	330	100	5				4000	
581-08051A471J4	08051A471J4T2A	COG	470	100	5				4000	
581-08051A681J4	08051A681J4T2A	COG	680	100	5				4000	
581-08055F102K4	08055F102K4T2A	X8R	1000	50	10				4000	
581-08055C102K4	08055C102K4T2A	X7R	1000	50	10				4000	
581-08051A102J4	08051A102J4T2A	COG	1000	100	5				4000	
581-08052C102K4T2A	08052C102K4T2A	X7R	1000	200	10				4000	
581-08055F222K4	08055F222K4T2A	X8R	2200	50	10				4000	
581-08055C472K4	08055C472K4T2A	X7R	4700	50	10				4000	
581-08055C472K4T4A	08055C472K4T4A	X7R	4700	50	10				10000	
581-08051C472K4T2A	08051C472K4T2A	X7R	4700	100	10				4000	
581-08055C682K4	08055C682K4T2A	X7R	6800	50	10				4000	
581-08055F103K4	08055F103K4T2A	X8R	10000	50	10				4000	
581-08055C103K4	08055C103K4T2A	X7R	10000	50	10				4000	
581-08051C103K4	08051C103K4T2A	X7R	10000	100	10				4000	
581-08055C223K4	08055C223K4T2A	X7R	22000	50	10				4000	
581-08051C223K4	08051C223K4T2A	X7R	22000	100	10				4000	
581-08055C333K4	08055C333K4T2A	X7R	33000	50	10				4000	
581-08055F333K4	08055F333K4T2A	X8R	33000	50	10				4000	
581-08055C473K4	08055C473K4T2A	X7R	47000	50	10				4000	
581-08055F473K4	08055F473K4T2A	X8R	47000	50	10				4000	
581-08051C473K4	08051C473K4T2A	X7R	47000	100	10				2000	
581-08055C683K4	08055C683K4T2A	X7R	68000	50	10				4000	
581-08055F223K4	08055F223K4T2A	X8R	0.022µF	50	10				4000	

AVX Tip and Ring MLCC and Thin Film Directional Couplers



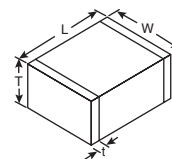
This product is RoHS compliant.

TIP AND RING MLCC

AVX "tip & ring" or "ring detector" multilayer ceramic chip capacitors are designed as a standard telecom filter to block -48 Volts DC telephone line voltage and pass subscriber's AC signal pulse (16 to 25Hz, 70 to 90Vrms). The ringer capacitors replace large leaded film capacitors and are ideal for telecom/modem applications. Using AVX "tip & ring" capacitors not only saves valuable real estate on the board and reduces the weight of overall product, but also features standard surface mounting capabilities, so critical to new and compact designs. The AVX "tip & ring" capacitors are offered in standard EIA sizes and standard values. They offer excellent high frequency performance, low ESR and improved temperature performance over film capacitors.

Specifications:

- Capacitance range: 1000pF to 1.2μF, (25°C, 1.0±0.2Vrms at 1kHz)
- Capacitance tolerances: ±10%, ±20%
- Dissipation factor: 2.5% max. (25°C, 1.0 ±0.2Vrms at 1kHz)
- Temperature characteristic: X7R ±15% (0VDC)
- Voltage rating: 250VDC Telco rating
- Insulation resistance: (25°C, at 250VDC), 1000 megohm-microfarad min.
- Dielectric strength: Minimum 250% rated voltage for 5 seconds at 50mA max. current



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (μF)	Tol.	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
Style 0805									
581-0805PC681K	0805PC681KAT1A	680pF	10%					2000	
581-0805PC102K	0805PC102KAT1A	1000pF	10%					2000	
581-0805PC122K	0805PC122KAT1A	1200pF	10%					2000	
581-0805PC152K	0805PC152KAT1A	1500pF	10%					2000	
581-0805PC182K	0805PC182KAT1A	1800pF	10%					2000	
581-0805PC192K	0805PC192KAT1A	1900pF	10%					2000	
581-0805PC222K	0805PC222KAT1A	2200pF	10%					2000	
581-0805PC392K	0805PC392KAT1A	3900pF	10%					2000	
581-0805PC472K	0805PC472KAT1A	4700pF	10%					2000	
581-0805PC562K	0805PC562KAT1A	5600pF	10%					2000	
581-0805PC682K	0805PC682KAT1A	6800pF	10%					2000	
581-0805PC822K	0805PC822KAT1A	8200pF	10%					2000	
581-0805PC103K	0805PC103KAT1A	0.01	10%					2000	
581-0805PC123K	0805PC123KAT1A	0.012	10%					2000	
581-0805PC153K	0805PC153KAT1A	0.015	10%					2000	
581-0805PC183K	0805PC183KAT1A	0.018	10%					2000	
581-0805PC223K	0805PC223KAT1A	0.023	10%					2000	
Style 1206									
581-1206PC102K	1206PC102KAT1A	1000pF	10%					2000	
581-1206PC332K	1206PC332KAT1A	3300pF	10%					2000	
581-1206PC472K	1206PC472KAT1A	4700pF	10%					2000	
581-1206PC822K	1206PC822KAT1A	8200pF	10%					2000	
581-1206PC103K	1206PC103KAT1A	0.01	10%					2000	
581-1206PC183K	1206PC183KAT1A	0.018	10%					2000	
581-1206PC223K	1206PC223KAT1A	0.022	10%					2000	
581-1206PC273K	1206PC273KAT1A	0.027	10%					2000	
581-1206PC333K	1206PC333KAT1A	0.033	10%					2000	
581-1206PC393K	1206PC393KAT1A	0.039	10%					2000	
581-1206PC473K	1206PC473KAT1A	0.047	10%					2000	
581-1206PC563K	1206PC563KAT1A	0.056	10%					2000	
Style 1210									
581-1210PC102K	1210PC102KAT1A	1000pF	10%					2000	
581-1210PC472K	1210PC472KAT1A	4700pF	10%					2000	
581-1210PC103K	1210PC103KAT1A	0.01	10%					2000	
581-1210PC333K	1210PC333KAT1A	0.033	10%					2000	
581-1210PC473K	1210PC473KAT1A	0.047	10%					2000	
581-1210PC683K	1210PC683KAT1A	0.068	10%					2000	
581-1210PC104K	1210PC104KAT1A	0.1	10%					2000	
Style 1808									
581-1808PC104KAT1A	1808PC104KAT1A	0.1	10%					2000	
581-1808PC224KAT1A	1808PC224KAT1A	0.22	10%					2000	

* Reflow Soldering Only

DIMENSIONS: mm (in.)

Size	DIMENSIONS: mm (in.)							
	0805	1206	1210*	1808*	1812*	1825*	2220*	2225*
(L) Length	2.01±0.20 (.079±.008)	3.20±0.20 (.126±0.008)	3.20±0.20 (.126±0.008)	4.57±.25 (.180±0.010)	4.50±.30 (.177±0.012)	4.50±.30 (.177±0.012)	5.70±.40 (.224±0.016)	5.72±.25 (.225±0.010)
(W) Width	1.25±.20 (.049±.008)	1.60±.20 (.063±.008)	2.50±.20 (.098±.008)	2.03±.25 (.080±0.010)	3.20±.20 (.126±.008)	6.40±.30 (.252±0.012)	5.0±.40 (.197±0.016)	6.35±.25 (.25±0.010)
(T) Thickness Max.	1.30 (.051)	1.50 (.059)	1.78 (.070)	1.78 (.070)	2.00 (.080)	2.00 (.080)	2.00 (.080)	2.00 (.080)
(t) Terminal	.50±.25 (.020±0.010)	.50±.25 (.020±0.010)	.50±.25 (.020±0.010)	.63±.38 (.025±0.010)	.63±.38 (.025±0.010)	.63±.38 (.025±0.010)	.63±.38 (.025±0.010)	.63±.38 (.025±0.010)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (μF)	Tol.	Price Each			Reel Qty.	Price Per Piece
				1	100	500		
Style 1812								
581-1812PC102K	1812PC102KAT1A	1000pF	10%				1000	
581-1812PC222K	1812PC222KAT1A	2200pF	10%				1000	
581-1812PC273K	1812PC273KAT1A	0.027	10%				1000	
581-1812PC333K	1812PC333KAT1A	0.033	10%				1000	
581-1812PC104K	1812PC104KAT1A	0.1	10%				1000	
581-1812PC124K	1812PC124KAT1A	0.12	10%				1000	
581-1812PC154K	1812PC154KAT1A	0.15	10%				1000	
581-1812PC184K	1812PC184KAT1A	0.18	10%				1000	
581-1812PC224K	1812PC224KAT1A	0.22	10%				1000	
581-1812PC274K	1812PC274KAT1A	0.27	10%				1000	
581-1812PC334K	1812PC334KAT1A	0.33	10%				1000	
581-1812PC394K	1812PC394KAT1A	0.39	10%				1000	
581-1812PC474K	1812PC474KAT1A	0.47	10%				1000	
Style 1825								
581-1825PC334K	1825PC334KAT1A	0.33	10%				1000	
581-1825PC394K	1825PC394KAT1A	0.39	10%				1000	
581-1825PC474K	1825PC474KAT1A	0.47	10%				1000	
581-1825PC564K	1825PC564KAT1A	0.56	10%				1000	
581-1825PC684K	1825PC684KAT1A	0.68	10%				1000	
581-1825PC824K	1825PC824KAT1A	0.82	10%				1000	
581-1825PC105K	1825PC105KAT1A	1.0	10%				1000	
Style 2220								
581-2220PC105K	2220PC105KAT1A	1.0	10%				1000	
Style 2225								
581-2225PC334K	2225PC334MAT1A	0.33	10%				1000	
581-2225PC474K	2225PC474KAT1A	0.47	10%				1000	
581-2225PC564K	2225PC564KAT1A	0.56	10%				1000	
581-2225PC105K	2225PC105KAT1A	1.0	10%				1000	
581-2225PC105M	2225PC105MAT1A	1.0	10%				1000	
581-2225PC125K	2225PC125KAT1A	1.2	10%				1000	
581-2225PC125M	2225PC125MAT1A	1.2	10%				1000	

THIN FILM DIRECTIONAL COUPLERS

DB0603N and DB0805 Series 3dB 90°

Features:

- Miniature size
- High Isolation
- Low I, Loss
- Impedance: 50Ω

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Case Size	Freq. MHz	Price Each			Reel Qty.	Price Per Piece
				1	50	100		
581-DB0603N1950AN500	DB0603N1950ANTR500	0603	1950				500	
581-DB0603N2017AN500	DB0603N2017ANTR500	0603	2017				500	
581-DB0603N2140AN500	DB0603N2140ANTR500	0603	2140				500	
581-DB0603N2150AN500	DB0603N2150ANTR500	0603	2150				500	
581-DB0603N2400AN500	DB0603N2400ANTR500	0603	2400				500	
581-DB0603N2500AN500	DB0603N2500ANTR500	0603	2500				500	
581-DB0603N2600AN500	DB0603N2600ANTR500	0603	2600				500	
581-DB0603N2850AN500	DB0603N2850ANTR500	0603	2850				500	
581-DB0603N3000AN500	DB0603N3000ANTR500	0603	3000				500	
581-DB0603N3500AN500	DB0603N3500ANTR500	0603	3500				500	
581-DB0603N5000AN500	DB0603N5000ANTR500	0603	5000				500	
581-DB0603N5400AN500	DB0603N5400ANTR500	0603	5400				500	
581-DB0603N5660AN500	DB0603N5660ANTR500	0603	5660				500	
581-DB0805A0880AS500	DB0805A0880ASTR500	0805	880				500	
581-DB0805A0900AS500	DB0805A0900ASTR500	0805	900				500	
581-DB0805A0915AS500	DB0805A0915ASTR500	0805	915				500	
581-DB0805A0940AS500	DB0805A0940ASTR500	0805	940				500	
581-DB0805A0967AS500	DB0805A0967ASTR500	0805	967				500	

CP Series

CP0603 Features:

- Low parasitics
- Better heat dissipation
- Inherent low profile
- Impedance: 50Ω
- Excellent solderability

CP0805 Features:

- Power rating: 3W continuous
- Rugged construction
- Low profile
- Impedance: 50Ω

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Case Size	Freq. MHz	Price Each				
				1	100	500	1000	3000
581-CP0603A1441DWTR	CP0603A1441DWTR	0603	1441					
581-CP0603A1960HNTR	CP0603A1960HNTR	0603	1960					
581-CP0805A0881ESTR	CP0805A0881ESTR	0805	881					
581-CP0805A1441BSTR	CP0805A1441BSTR	0805	1441					

DIMENSIONS: mm

DB0603	DB0805

AVX Thin Film RF/Microwave Capacitors



QM SERIES MLCC SMD CAPACITOR

Features:

- Reduced noise at audio frequencies
- Hard disk capacitor

Applications:

- Mobile phones
- Memory modules
- LCD panel driver circuit applications



Electrical:

- Temperature range: -55°C to +85°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Price Per Piece
					1	50	100		
581-QM036D106MAT2A	QM036D106MAT2A	10	6.3	20				4000	
581-QM05YD106KAT2A	QM05YD106KAT2A	10	16	10				3000	
581-QM103D106KAT2A	QM103D106KAT2A	10	25	10				1000	
581-QM054D226MAT2A	QM054D226MAT2A	22	4	20				3000	

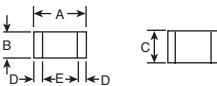
MK SERIES ULTRA LOW ESR, COG (NP0) CHIP CAPACITOR

Designed for "Ultra" low ESR for applications in the communications market. Max ESR and effective capacitance are met on each value producing lot to lot uniformity.



RoHS Compliant

DIMENSIONS: mm (in.)



Size	A	B	C	D	E
0402	0.039±0.004 (1.00±0.1)	0.020±0.004 (.50±0.1)	0.024(0.6) max	N/A	N/A
0603	0.060±0.010 (1.52±0.25)	0.030±0.010 (.76±0.25)	0.036 (0.91) max	0.010±0.005 (0.25±0.13)	0.030 (0.76) min
0805	0.079±0.008 (2.01±0.2)	0.049±0.008 (1.25±0.2)	0.040±0.005 (1.02±0.127)	0.020±0.010 (0.51±0.254)	0.020 (0.51) min

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
0402									
581-MK02272R2BAT2A	MK02272R2BAT2A	2.2	200	0.1				5000	
581-MK02275R6BATA	MK02275R6BATA	5.6	200	0.1				5000	
581-MK0227100FAT2A	MK0227100FAT2A	1.0	200	1%				5000	
0603									
581-MK03V72R4BAT2A	MK03V72R4BAT2A	2.4	250	0.1				3000	
581-MK03V72R7BAT2A	MK03V72R7BAT2A	2.7	250	0.1				3000	
581-MK03V73R3BAT2A	MK03V73R3BAT2A	3.3	250	0.1				3000	
581-MK03V79R1BAT2A	MK03V79R1BAT2A	9.1	250	0.1				3000	
0805									
581-MK05V72R7CAT2A	MK05V72R7CAT2A	2.7	250	0.25				3000	
581-MK05V7270JAT2A	MK05V7270JAT2A	27	250	5%				3000	

ACCU-P® THIN-FILM RF/MICROWAVE CAPACITORS

Features:

- Minimal batch to batch variability of parameters at high frequency
- Low ESR, high Q, low capacitance
- Inspected, test and quality control procedures in accordance with ISO 9001, CECC, IECQ, USA MIL Standards guarantee product of the highest quality

Applications:

- Cellular communications
- CT2/PCN
- Satellite, cable TV
- RF amplifiers
- Test and measurements
- GPS

Electrical Specifications:

- Temperature range: -55°C to +125°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
Style 0201									
581-02013J0R8BBS	02013J0R8BBSTR	0.8	25	0.1				5000	
581-02013J0R9BBS	02013J0R9BBSTR	0.9	25	0.1				5000	
581-02013J1R8BBS	02013J1R8BBSTR	1.8	25	0.1				5000	
581-02013J2R0BBS	02013J2R0BBSTR	2.0	25	0.1				5000	
581-02013J2R2BBS	02013J2R2BBSTR	2.2	25	0.1				5000	
581-02013J2R4BBS	02013J2R4BBSTR	2.4	25	0.1				5000	
581-02013J2R7BBS	02013J2R7BBSTR	2.7	25	0.1				5000	
Style 0402									
581-04023J1R0BBS	04023J1R0BBSTR	1.0	25	0.1				5000	
581-04023J1R5BBS	04023J1R5BBSTR	1.5	25	0.1				5000	
581-04023J1R6BBS	04023J1R6BBSTR	1.6	25	0.1				5000	
581-04023J1R8BBS	04023J1R8BBSTR	1.8	25	0.1				5000	
581-04023J2R0BBS	04023J2R0BBSTR	2.2	25	0.1				5000	
581-04023J3R0BBS	04023J3R0BBSTR	3.0	25	0.1				5000	
581-04023J3R3BBS	04023J3R3BBSTR	3.3	25	0.1				5000	
581-04023J3R9BBS	04023J3R9BBSTR	3.9	25	0.1				5000	
581-0402J4R3CBB	0402J4R3CBSTR	4.3	10	0.25				5000	
581-0402J4R7BBS	0402J4R7BBSTR	4.7	25	0.1				5000	
581-0402J4R7CBB	0402J4R7CBSTR	4.7	10	0.25				5000	
581-0402J5R6BBS	0402J5R6BBSTR	5.6	25	0.1				5000	
581-0402J3R6R8BBS	0402J3R6R8BBSTR	6.8	25	0.1				5000	
581-0402J7R5BBS	0402J7R5BBSTR	7.5	25	0.1				5000	
581-0402YJ100FBS	0402YJ100FBSTR	10	16	1%				5000	
581-0402ZJ120FBS	0402ZJ120FBSTR	12	10	1%				5000	
Style 0603									
581-06035J0R2ABS	06035J0R2ABSTR	0.2	50	0.05				3000	
581-06035J0R3BBS	06035J0R3BBSTR	0.3	50	0.1				3000	
581-06035J0R4BBS	06035J0R4BBSTR	0.4	50	0.1				3000	
581-06035J0R5BBS	06035J0R5BBSTR	0.5	50	0.1				3000	
581-06035J0R7BBS	06035J0R7BBSTR	0.7	50	0.1				3000	
581-06035J0R8BBS	06035J0R8BBSTR	0.8	50	0.1				3000	
581-06035J0R9PBB	06035J0R9PBSTR	0.9	50	0.02				3000	
581-06035J1R0BBS	06035J1R0BBSTR	1.0	50	0.1				3000	

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UT SERIES ULTRA THIN CERAMIC CAPACITORS - 0402 X5R

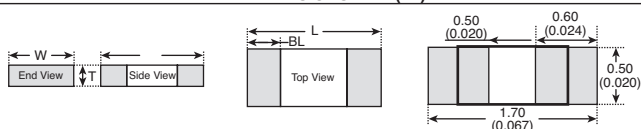
Applications:

- Smart cards
- Memory modules
- Embedded solutions
- Mobile phones
- MP3 players
- High Density SIM cards

Electrical Specifications:

- Temperature range: -55°C to +85°C

DIMENSIONS: mm (in.)



Thickness	L	W	T	BL
D	1.00±0.10	0.50±0.10	0.25±0.05	0.27±0.05
E	1.00±0.10	0.50±0.10	0.20±0.05	0.27±0.05
F	1.00±0.10	0.50±0.10	0.125±0.025	0.27±0.05

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Tol. (DC)	Tol. (pF)	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
581-UT02ZD223MAC2D	UT02ZD223MAC2D	0.022	10	20%				15000	
581-UT02ZD223MAT2D	UT02ZD223MAT2D	0.022	10	20%				15000	
581-UT026D103MAC2F	UT026D103MAC2F	0.01	6.3	20%				15000	
581-UT02YD103MAT2E	UT02YD103MAT2E	0.01	16	20%				15000	

GX SERIES ULTRA BROAD BAND CAPACITOR

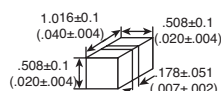
Features:

- Ultra-Broadband performance
- Ultra-Low Insertion Loss
- Excellent Return Loss

Applications:

- Semi-Conductor Data Communications
- Receiver Optical Sub-Assemblies
- Transimpedance Amplifier

DIMENSIONS: mm (in.)



RoHS Compliant

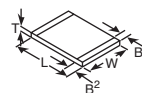
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (uF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Price Per Piece
					1	50	100		
Style 0201 X7S									
581-GX01ZD103PATD1K	GX01ZD103PATD-1000	0.01	6.3	0%	100%			1000	
Style 0402 COG									
581-GX02YD104KAT2	GX02YD104KAT2-500	0.1	16	10%				500	

Dimensions: mm (in.)				
	0201*	0402 *	0603 *	0805 *
L	0.60 ± 0.05 (.023 ± .002)	1.00 ± 0.1 (.039 ± .004)	1.60 ± 0.1 (.063 ± .004)	2.01 ± 0.1 (.079 ± .004)
W	0.325 ± 0.050 (.0128 ± .002)	0.55 ± 0.07 (.022 ± .003)	0.81 ± 0.1 (.032 ± .004)	1.27 ± 0.1 (.050 ± .004)
T	0.225 ± 0.050 (.009 ± .002)	0.40 ± 0.1 (.016 ± .004)	0.63 ± 0.1 (.025 ± .004)	0.93 ± 0.2 (.036 ± .008)
B1	.10 ± 0.10 (.004 ± .004)	.00 ± 0.1/0 (.000 ± .004/0)	0.35 ± 0.15 (.014 ± .006)	0.30 ± 0.1 (.012 ± .004)
B2	0.15 ± 0.05 (.006 ± .002)	0.20 ± 0.1 (.008 ± .004)	0.35 ± 0.15 (.014 ± .006)	0.30 ± 0.1 (.012 ± .004)



RoHS Compliant



* Mount black side up.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
Style 0603 (Cont.)									
581-06035J1R0PBBS	06035J1R0PBSTR	1.0	50	0.02				3000	
581-06035J1R2PBBS	06035J1R2PBSTR	1.2	50	0.02				3000	
581-06035J1R6ABBS	06035J1R6ABSTR	1.6	50	0.05				3000	
581-06035J1R8BBS	06035J1R8BBSTR	1.8	50	0.1				3000	
581-06035J1R1BBS	06035J1R1BBSTR	1.1	50	0.1				3000	
581-06035J2R0ABS	06035J2R0ABSTR	2.0	50	0.05				3000	
581-06035J2R0BBS	06035J2R0BBSTR	2.0	50	0.1				3000	
581-06035J2R2ABS	06035J2R2ABSTR	2.2	50	0.05				3000	
581-06035J2R2BBS	06035J2R2BBSTR	2.2	50	0.1				3000	
581-06035J2R4BBS	06035J2R4BBSTR	2.4	50	0.1				3000	
581-06035J2R7BBS	06035J2R7BBSTR	2.7	50	0.1				3000	
581-06035J3R0BBS	06035J3R0BBSTR	3.0	50	0.1				3000	
581-06035J3R3BBS	06035J3R3BBSTR	3.3	50	0.1				3000	
581-06035J3R9BBS	06035J3R9BBSTR	3.9	50	0.1				3000	
581-06035J4R3BBS	06035J4R3BBSTR	4.3	50	0.1				3000	
581-06035J4R7BBS	06035J4R7BBSTR	4.7	50	0.1				3000	
581-06035J5R6BBS	06035J5R6BBSTR	5.6	50	0.1				3000	
581-06035J6R8BBS	06035J6R8BBSTR	6.8	50	0.1				3000	
581-06035J8R2									

AVX Microwave MLCs



This product is RoHS compliant.



MLOC SERIES ORGANIC RF CAPACITORS

Features:

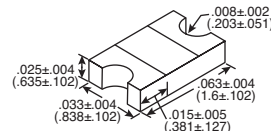
- EIA size 0603
- Designed to be used above 700 MHz
- High self resonance
- Tight tolerance
- Low ESR
- Hi-Q

Applications:

- Cellular communications
- Point to point radios
- RF power amplifiers
- Low noise amplifiers
- Filter Networks
- Wi-Fi / Wi-Max

Electrical Specifications:

- Operating temperature range: -55°C to +125°C



For quantities greater than listed, call for quote.

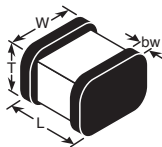
MOUSER STOCK NO.	AVX Part No.	Value (pF)	Tol. ± (pF)	Price Each			Reel Qty	Price Per Piece
				1	100	500		
50 Volt								
581-ML03510R1AAT2A	ML03510R1AAT2A	0.1	0.5				3000	
581-ML03510R1BAT2A	ML03510R1BAT2A	0.1	0.10				3000	
581-ML03510R2AAT2A	ML03510R2AAT2A	0.2	0.5				3000	
581-ML03510R2BAT2A	ML03510R2BAT2A	0.2	0.10				3000	
581-ML03510R3AAT2A	ML03510R3AAT2A	0.3	0.5				3000	
581-ML03510R3BAT2A	ML03510R3BAT2A	0.3	0.10				3000	
581-ML03510R4AAT2A	ML03510R4AAT2A	0.4	0.5				3000	
581-ML03510R4BAT2A	ML03510R4BAT2A	0.4	0.10				3000	
581-ML03510R51AT2A	ML03510R51AT2A	0.5	0.5				3000	
581-ML03510R5BAT2A	ML03510R5BAT2A	0.5	0.10				3000	
581-ML03510R6AAT2A	ML03510R6AAT2A	0.6	0.5				3000	
581-ML03510R6BAT2A	ML03510R6BAT2A	0.6	0.10				3000	
581-ML03510R7AAT2A	ML03510R7AAT2A	0.7	0.5				3000	
581-ML03510R7BAT2A	ML03510R7BAT2A	0.7	0.10				3000	
581-ML03510R8AAT2A	ML03510R8AAT2A	0.8	0.5				3000	
581-ML03510R8BAT2A	ML03510R8BAT2A	0.8	0.10				3000	
581-ML03510R9AAT2A	ML03510R9AAT2A	0.9	0.5				3000	
581-ML03510R9BAT2A	ML03510R9BAT2A	0.9	0.10				3000	
581-ML03511ROAAT2A	ML03511ROAAT2A	1	0.5				3000	
581-ML03511ROBAT2A	ML03511ROBAT2A	1	0.10				3000	
581-ML03511R1BAT2A	ML03511R1BAT2A	1.1	0.10				3000	
581-ML03511R2BAT2A	ML03511R2BAT2A	1.5	0.10				3000	
581-ML03511R3BAT2A	ML03511R3BAT2A	1.3	0.10				3000	
581-ML03511R4BAT2A	ML03511R4BAT2A	1.4	0.10				3000	
581-ML03511R5BAT2A	ML03511R5BAT2A	1.5	0.10				3000	
581-ML03511R6BAT2A	ML03511R6BAT2A	1.6	0.10				3000	
581-ML03511R7BAT2A	ML03511R7BAT2A	1.7	0.10				3000	
581-ML03511R8BAT2A	ML03511R8BAT2A	1.8	0.10				3000	
581-ML03511R9BAT2A	ML03511R9BAT2A	1.9	0.10				3000	
581-ML03512R0BAT2A	ML03512R0BAT2A	2	0.10				3000	
581-ML03512R1BAT2A	ML03512R1BAT2A	2.1	0.10				3000	
581-ML03512R2BAT2A	ML03512R2BAT2A	2.2	0.10				3000	
581-ML03512R3BAT2A	ML03512R3BAT2A	2.3	0.10				3000	
581-ML03512R4BAT2A	ML03512R4BAT2A	2.4	0.10				3000	
581-ML03512R5BAT2A	ML03512R5BAT2A	2.5	0.10				3000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (pF)	Tol. ± (pF)	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
250 Volt									
581-ML03V10R1AAT2A	ML03V10R1AAT2A	0.1	0.5					3000	
581-ML03V10R1BAT2A	ML03V10R1BAT2A	0.1	0.10					3000	
581-ML03V10R2AAT2A	ML03V10R2AAT2A	0.2	0.5					3000	
581-ML03V10R2BAT2A	ML03V10R2BAT2A	0.2	0.10					3000	
581-ML03V10R3AAT2A	ML03V10R3AAT2A	0.3	0.5					3000	
581-ML03V10R3BAT2A	ML03V10R3BAT2A	0.3	0.10					3000	
581-ML03V10R4AAT2A	ML03V10R4AAT2A	0.4	0.5					3000	
581-ML03V10R4BAT2A	ML03V10R4BAT2A	0.4	0.10					3000	
581-ML03V10R5BAT2A	ML03V10R5BAT2A	0.5	0.10					3000	
581-ML03V10R6AAT2A	ML03V10R6AAT2A	0.6	0.5					3000	
581-ML03V10R6BAT2A	ML03V10R6BAT2A	0.6	0.10					3000	
581-ML03V10R7AAT2A	ML03V10R7AAT2A	0.7	0.5					3000	
581-ML03V10R7BAT2A	ML03V10R7BAT2A	0.7	0.10					3000	
581-ML03V10R8AAT2A	ML03V10R8AAT2A	0.8	0.5					3000	
581-ML03V10R8BAT2A	ML03V10R8BAT2A	0.8	0.10					3000	
581-ML03V10R9AAT2A	ML03V10R9AAT2A	0.9	0.5					3000	
581-ML03V10R9BAT2A	ML03V10R9BAT2A	0.9	0.10					3000	
581-ML03V11ROAAT2A	ML03V11ROAAT2A	1	0.5					3000	
581-ML03V11ROBAT2A	ML03V11ROBAT2A	1	0.10					3000	
581-ML03V11R1BAT2A	ML03V11R1BAT2A	1.1	0.10					3000	
581-ML03V11R2BAT2A	ML03V11R2BAT2A	1.2	0.10					3000	
581-ML03V11R3BAT2A	ML03V11R3BAT2A	1.3	0.10					3000	
581-ML03V11R4BAT2A	ML03V11R4BAT2A	1.4	0.10					3000	
581-ML03V11R5BAT2A	ML03V11R5BAT2A	1.5	0.10					3000	
581-ML03V11R6BAT2A	ML03V11R6BAT2A	1.6	0.10					3000	
581-ML03V11R7BAT2A	ML03V11R7BAT2A	1.7	0.10					3000	
581-ML03V11R8BAT2A	ML03V11R8BAT2A	1.8	0.10					3000	
581-ML03V11R9BAT2A	ML03V11R9BAT2A	1.9	0.10					3000	
581-ML03V12R0BAT2A	ML03V12R0BAT2A	2	0.10					3000	
581-ML03V12R1BAT2A	ML03V12R1BAT2A	2.1	0.10					3000	
581-ML03V12R2BAT2A	ML03V12R2BAT2A	2.2	0.10					3000	
581-ML03V12R3BAT2A	ML03V12R3BAT2A	2.3	0.10					3000	
581-ML03V12R4BAT2A	ML03V12R4BAT2A	2.4	0.10					3000	
581-ML03V12R5BAT2A	ML03V12R5BAT2A	2.5	0.10					3000	

AVX Ceramic Caps, SMD

These porcelain and ceramic dielectric multilayer capacitor (MLC) chips are best suited for RF/Microwave applications typically ranging from 10MHz to 4.2GHz. Characteristic is a fine grained, high density, high purity dielectric material impervious to moisture with heavy internal palladium electrodes.



Specifications:

- High current carrying capabilities
- High quality factors
- Excellent stability under stresses of changing voltage, frequency, time and temperature
- Temperature coefficient: (M) +90 ±20PPM°C, (A) ±30PPM°C

DIMENSIONS: in. (mm)

Case	Length (L)	Width (W)	Thickness (T)	Band Width (bw)
SQCA / AQ12	.055 +.015 -.010 (1.40 +.381 -.254)	.055 ±.015 (1.40 ±.381)	.020/.057 (.508/1.45)	.010 +.010 -.005 (.254 +.254 -.127)
SQCB / AQ14	.110 +.020 -.010 (2.79 +.889 -.254)	.110±.010 (2.79±.508)	.030/.102 (.762/2.59)	.015±.010 (.381±.254)
UQCA	.055 +.015 -.010 (1.40 +.381 -.254)	.055±.015 (1.40±.381)	.057 (1.45) max.	.010 +.010 -.005 (.254 +.254 -.127)
UQCB	.110 +.020 -.010 (2.79 +.508 -.254)	.110±.015 (2.79±.381)	.102 (2.59) max.	.015±.010 (.381±.254)

AQ SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Value (pF)	Volt	Tol. ±	Temp. Coef.	Price Each				
						1	50	100	500	1000
Style AQ12										
581-AQ12EM0R8BATME		0.8	150	0.1pF	M					
581-AQ12EM1R0BATME		1.0	150	0.1pF	M					
581-AQ12EM2R2DATME		2.2	150	0.5pF	M					
581-AQ12EM2R7BATME		2.7	150	0.1pF	M					
581-AQ12EM3R3BATME		3.3	150	0.1pF	M					
581-AQ12EM3R9BATME		3.9	150	0.1pF	M					
581-AQ12EM5R1BATME		5.1	150	0.1pF	M					
581-AQ12EM100GATME		10	150	2%	M					
581-AQ12EM560JATME		56	150	5%	M					
Style AQ14										
581-AQ147M0R1BATME		0.1	500	0.1pF	M					
581-AQ147M0R4BATME		0.4	500	0.1pF	M					
581-AQ147M0R5BATME		0.5	500	0.1pF	M					
581-AQ147M0R7BATME		0.7	500	0.1pF	M					
581-AQ147M1R1BATME		1.1	500	0.1pF	M					
581-AQ147M1R3BATME		1.3	500	0.1pF	M					
581-AQ147M100JATME		10	500	5%	M					
581-AQ147M200JATME		20	500	5%	M					
581-AQ147M270JATME		27	500	5%	M					
581-AQ147M560JATME		56	500	5%	M					
581-AQ147M680JATME		68	500	5%	M					
581-AQ147M101JATME		100	500	5%	M					
581-AQ142M271JATME		270	200	5%	M					
581-AQ142M391JATME		390	200	5%	M					
581-AQ142A431KATME		430	200	10%	A					
581-AQ142M471JATME		470	200	5%	M					
581-AQ14EM102JATME		1000	150	5%	M					
581-AQ14EA102KATME		1000	150	10%	A					

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SQ SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Value (pF)	Volt	Tol. ±	Temp. Coef.	Price Each				
						1	50	100	500	1000
Style SQCA (Cont.)										
581-SQCAEM0R1BATME										

AVX Microwave MLCs



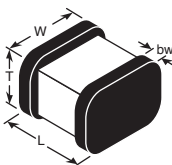
This product is RoHS compliant.

These porcelain and ceramic dielectric multilayer capacitor (MLC) chips are best suited for RF/Microwave applications typically ranging from 10MHz to 4.2GHz. Characteristic is a fine grained, high density, high purity dielectric material impervious to moisture with heavy internal palladium electrodes.

UQ SERIES



RoHS Compliant



Features:

- Ultra Low ESR
- High Q
- High Self Resonance

Applications:

- RF Power Amplifiers
- Low Noise Amplifiers
- Filter Networks
- MRI Systems

DIMENSIONS: in. (mm)				
Case	Length (L)	Width (W)	Thickness (T)	Band Width (bw)
UQCL	.040 ± .004 (1.02 ± .100)	.020 ± .004 (0.51 ± .100)	.024 (.600) max.	.010 ± .006 (0.25 ± 0.15)
UQCS	.063 ± .006 (1.60 ± 0.15)	.032 ± .006 (0.81 ± 0.15)	.035 (.890) max.	.014 ± .006 (0.36 ± 0.15)
UQCF	.079 ± .008 (2.01 ± 0.20)	.049 ± .008 (1.24 ± 0.20)	.051 (1.30) max.	.020 ± 0.01 (0.51 ± 0.25)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	Tol. ±	Price Each				
				1	50	100	500	1000
Style UQCL '0402 200 Volt								
581-UQCL2A0R1BAT2A/500	UQCL2A0R1BAT2A/500	0.1	.1 pF					
581-UQCL2A0R2BAT2A/500	UQCL2A0R2BAT2A/500	0.2	.1 pF					
581-UQCL2A0R3BAT2A/500	UQCL2A0R3BAT2A/500	0.3	.1 pF					
581-UQCL2A0R4BAT2A/500	UQCL2A0R4BAT2A/500	0.4	.1 pF					
581-UQCL2A0R5BAT2A/500	UQCL2A0R5BAT2A/500	0.5	.1 pF					
581-UQCL2A0R6BAT2A/500	UQCL2A0R6BAT2A/500	0.6	.1 pF					
581-UQCL2A0R7BAT2A/500	UQCL2A0R7BAT2A/500	0.7	.1 pF					
581-UQCL2A0R8BAT2A/500	UQCL2A0R8BAT2A/500	0.8	.1 pF					
581-UQCL2A0R9BAT2A/500	UQCL2A0R9BAT2A/500	0.9	.1 pF					
581-UQCL2A1R0BAT2A/500	UQCL2A1R0BAT2A/500	1	.1 pF					
581-UQCL2A1R1BAT2A/500	UQCL2A1R1BAT2A/500	1.1	.1 pF					
581-UQCL2A1R2BAT2A/500	UQCL2A1R2BAT2A/500	1.2	.1 pF					
581-UQCL2A1R5BAT2A/500	UQCL2A1R5BAT2A/500	1.5	.1 pF					
581-UQCL2A1R6CAT2A/500	UQCL2A1R6CAT2A/500	1.6	25 pF					
581-UQCL2A1R8BAT2A/500	UQCL2A1R8BAT2A/500	1.8	.1 pF					
581-UQCL2A2R0BAT2A/500	UQCL2A2R0BAT2A/500	2	.1 pF					
581-UQCL2A2R2BAT2A/500	UQCL2A2R2BAT2A/500	2.2	.1 pF					
581-UQCL2A2R4BAT2A/500	UQCL2A2R4BAT2A/500	2.4	.1 pF					
581-UQCL2A2R7BAT2A/500	UQCL2A2R7BAT2A/500	2.7	.1 pF					
581-UQCL2A3R0BAT2A/500	UQCL2A3R0BAT2A/500	3	.1 pF					
581-UQCL2A3R3BAT2A/500	UQCL2A3R3BAT2A/500	3.3	.1 pF					
581-UQCL2A3R9CAT2A/500	UQCL2A3R9CAT2A/500	3.9	25 pF					
581-UQCL2A4R7CAT2A/500	UQCL2A4R7CAT2A/500	4.7	25 pF					
581-UQCL2A5R6CAT2A/500	UQCL2A5R6CAT2A/500	5.6	25 pF					
581-UQCL2A6R8CAT2A/500	UQCL2A6R8CAT2A/500	6.8	25 pF					
581-UQCL2A8R2CAT2A/500	UQCL2A8R2CAT2A/500	8.2	25 pF					
581-UQCL2A100JAT2A/500	UQCL2A100JAT2A/500	10	5%					
581-UQCL2A120JAT2A/500	UQCL2A120JAT2A/500	12	5%					
581-UQCL2A150JAT2A/500	UQCL2A150JAT2A/500	15	5%					
581-UQCL2A180JAT2A/500	UQCL2A180JAT2A/500	18	5%					
581-UQCL2A200JAT2A/500	UQCL2A200JAT2A/500	20	5%					
581-UQCL2A220JAT2A/500	UQCL2A220JAT2A/500	22	5%					
581-UQCL2A240JAT2A/500	UQCL2A240JAT2A/500	24	5%					
581-UQCL2A270JAT2A/500	UQCL2A270JAT2A/500	27	5%					
Style UQCS '0603 250 Volt								
581-UQCSVA0R1BAT/500	UQCSVA0R1BAT2A/500	0.1	.1 pF					
581-UQCSVA0R2BAT/500	UQCSVA0R2BAT2A/500	0.2	.1 pF					
581-UQCSVA0R3BAT/500	UQCSVA0R3BAT2A/500	0.3	.1 pF					
581-UQCSVA0R4BAT/500	UQCSVA0R4BAT2A/500	0.4	.1 pF					
581-UQCSVA0R5BAT/500	UQCSVA0R5BAT2A/500	0.5	.1 pF					
581-UQCSVA0R6BAT/500	UQCSVA0R6BAT2A/500	0.6	.1 pF					
581-UQCSVA0R7BAT/500	UQCSVA0R7BAT2A/500	0.7	.1 pF					
581-UQCSVA0R8BAT/500	UQCSVA0R8BAT2A/500	0.8	.1 pF					
581-UQCSVA0R9BAT/500	UQCSVA0R9BAT2A/500	0.9	.1 pF					
581-UQCSVA1R0BAT/500	UQCSVA1R0BAT2A/500	1	.1 pF					
581-UQCSVA1R1BAT/500	UQCSVA1R1BAT2A/500	1.1	.1 pF					
581-UQCSVA1R2BAT/500	UQCSVA1R2BAT2A/500	1.2	.1 pF					
581-UQCSVA1R5BAT/500	UQCSVA1R5BAT2A/500	1.5	.1 pF					
581-UQCSVA1R8BAT/500	UQCSVA1R8BAT2A/500	1.8	.1 pF					
581-UQCSVA2R0BAT/500	UQCSVA2R0BAT2A/500	2	.1 pF					
581-UQCSVA2R2BAT/500	UQCSVA2R2BAT2A/500	2.2	.1 pF					
581-UQCSVA2R4BAT/500	UQCSVA2R4BAT2A/500	2.4	.1 pF					
581-UQCSVA2R7BAT/500	UQCSVA2R7BAT2A/500	2.7	.1 pF					
581-UQCSVA3R0BAT/500	UQCSVA3R0BAT2A/500	3	.1 pF					
581-UQCSVA3R3BAT/500	UQCSVA3R3BAT2A/500	3.3	.1 pF					
581-UQCSVA3R9CAT/500	UQCSVA3R9CAT2A/500	3.9	25 pF					
581-UQCSVA4R7CAT/500	UQCSVA4R7CAT2A/500	4.7	25 pF					
581-UQCSVA5R6CAT/500	UQCSVA5R6CAT2A/500	5.6	25 pF					
581-UQCSVA6R8CAT/500	UQCSVA6R8CAT2A/500	6.8	25 pF					
581-UQCSVA8R2CAT/500	UQCSVA8R2CAT2A/500	8.2	25 pF					
581-UQCSVA100JAT/500	UQCSVA100JAT2A/500	10	5%					
581-UQCSVA120JAT/500	UQCSVA120JAT2A/500	12	5%					

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	Tol. ±	Price Each				
				1	50	100	500	1000
Style UQCS '0603 250 Volt (Cont)								
581-UQCSVA150JAT2A/500	UQCSVA150JAT2A/500	15	5%					
581-UQCSVA180JAT/500	UQCSVA180JAT2A/500	18	5%					
581-UQCSVA200JAT/500	UQCSVA200JAT2A/500	20	5%					
581-UQCSVA220JAT/500	UQCSVA220JAT2A/500	22	5%					
581-UQCSVA240JAT/500	UQCSVA240JAT2A/500	24	5%					
581-UQCSVA270JAT/500	UQCSVA270JAT2A/500	27	5%					
581-UQCSVA300JAT/500	UQCSVA300JAT2A/500	30	5%					
581-UQCSVA330JAT/500	UQCSVA330JAT2A/500	33	5%					
581-UQCSVA390JAT/500	UQCSVA390JAT2A/500	39	5%					
581-UQCSVA470JAT/500	UQCSVA470JAT2A/500	47	5%					
581-UQCSVA560JAT/500	UQCSVA560JAT2A/500	56	5%					
581-UQCSVA680JAT/500	UQCSVA680JAT2A/500	68	5%					
581-UQCSVA820JAT/500	UQCSVA820JAT2A/500	82	5%					
581-UQCSVA101JAT/500	UQCSVA101JAT2A/500	100	5%					
Style UQCF '0805 250 Volt								
581-UQCFVA0R1BAT/500	UQCFVA0R1BAT2A/500	0.1	.1 pF					
581-UQCFVA0R2BAT/500	UQCFVA0R2BAT2A/500	0.2	.1 pF					
581-UQCFVA0R3BAT/500	UQCFVA0R3BAT2A/500	0.3	.1 pF					
581-UQCFVA0R4BAT/500	UQCFVA0R4BAT2A/500	0.4	.1 pF					
581-UQCFVA0R5BAT/500	UQCFVA0R5BAT2A/500	0.5	.1 pF					
581-UQCFVA0R6BAT/500	UQCFVA0R6BAT2A/500	0.6	.1 pF					
581-UQCFVA0R7BAT/500	UQCFVA0R7BAT2A/500	0.7	.1 pF					
581-UQCFVA0R8BAT/500	UQCFVA0R8BAT2A/500	0.8	.1 pF					
581-UQCFVA0R9BAT/500	UQCFVA0R9BAT2A/500	0.9	.1 pF					
581-UQCFVA1R0BAT/500	UQCFVA1R0BAT2A/500	1	.1 pF					
581-UQCFVA1R1BAT/500	UQCFVA1R1BAT2A/500	1.1	.1 pF					
581-UQCFVA1R2BAT/500	UQCFVA1R2BAT2A/500	1.2	.1 pF					
581-UQCFVA1R5BAT/500	UQCFVA1R5BAT2A/500	1.5	.1 pF					
581-UQCFVA1R8BAT/500	UQCFVA1R8BAT2A/500	1.8	.1 pF					
581-UQCFVA2R0BAT/500	UQCFVA2R0BAT2A/500	2	.1 pF					
581-UQCFVA2R2BAT/500	UQCFVA2R2BAT2A/500	2.2	.1 pF					
581-UQCFVA2R4BAT/500	UQCFVA2R4BAT2A/500	2.4	.1 pF					
581-UQCFVA2R7BAT/500	UQCFVA2R7BAT2A/500	2.7	.1 pF					
581-UQCFVA3R0BAT/500	UQCFVA3R0BAT2A/500	3	.1 pF					
581-UQCFVA3R3BAT/500	UQCFVA3R3BAT2A/500	3.3	.1 pF					
581-UQCFVA3R9CAT/500	UQCFVA3R9CAT2A/500	3.9	25 pF					
581-UQCFVA4R7CAT/500	UQCFVA4R7CAT2A/500	4.7	25 pF					
581-UQCFVA5R6CAT/500	UQCFVA5R6CAT2A/500	5.6	25 pF					
581-UQCFVA6R8CAT/500	UQCFVA6R8CAT2A/500	6.8	25 pF					
581-UQCFVA8R2CAT/500	UQCFVA8R2CAT2A/500	8.2	25 pF					
581-UQCFVA100JAT/500	UQCFVA100JAT2A/500	10	5%					
581-UQCFVA120JAT/500	UQCFVA120JAT2A/500	12	5%					
581-UQCFVA150JAT/500	UQCFVA150JAT2A/500	15	5%					
581-UQCFVA180JAT/500	UQCFVA180JAT2A/500	18	5%					
581-UQCFVA200JAT/500	UQCFVA200JAT2A/500	20	5%					
581-UQCFVA220JAT/500	UQCFVA220JAT2A/500	22	5%					
581-UQCFVA240JAT/500	UQCFVA240JAT2A/500	24	5%					
581-UQCFVA270JAT/500	UQCFVA270JAT2A/500	27	5%					
581-UQCFVA300JAT/500	UQCFVA300JAT2A/500	30	5%					
581-UQCFVA330JAT/500	UQCFVA330JAT2A/500	33	5%					
581-UQCFVA390JAT/500	UQCFVA390JAT2A/500	39	5%					
581-UQCFVA470JAT/500	UQCFVA470JAT2A/500	47	5%					
581-UQCFVA560JAT/500	UQCFVA560JAT2A/500	56	5%					
581-UQCFVA680JAT/500	UQCFVA680JAT2A/500	68	5%					
581-UQCFVA820JAT/500	UQCFVA820JAT2A/500	82	5%					
581-UQCFVA101JAT/500	UQCFVA101JAT2A/500	100	5%					
581-UQCFVA121JAT/500	UQCFVA121JAT2A/500	120	5%					
581-UQCFVA151JAT/500	UQCFVA151JAT2A/500	150	5%					
581-UQCFVA181JAT/500	UQCFVA181JAT2A/500	180	5%					
581-UQCFVA201JAT/500	UQCFVA201JAT2A/500	200	5%					
581-UQCFVA221JAT/500	UQCFVA221JAT2A/500	220	5%					
581-UQCFVA241JAT/500	UQCFVA241JAT2A/500	240	5%					

AVX High Voltage MLC Chip Capacitors



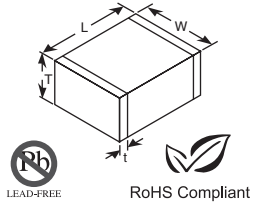
COG Dielectric Performance Characteristics:

- Dissipation factor: 0.1% max. (+25°C, 1.0 ± 0.2Vrms, 1kHz, for ≤ 1000pF use 1MHz)
- Operating temperature range: -55°C to +125°C
- Temperature characteristic: 0 ± 30 ppm/°C (0VDC)
- Dielectric strength: 120% rated voltage for 5 seconds at 50mA max. current.

X7R Dielectric Performance Characteristics:

- Dissipation factor: 2.5% max. (+25°C, 1.0 ± 0.2Vrms, 1kHz)
- Operating temperature range: -55°C to +125°C
- Temperature characteristic: 0 ± 30 ppm/°C (0 VDC)
- Dielectric strength: 120% rated voltage for 5 seconds at 50mA max. current.

* Reflow soldering only
DIMENSIONS: mm (in.)



AVX special high voltage MLC chip capacitors meet the performance characteristics and are designed for applications requiring High value, low leakage and small size. These high voltage chip designs exhibit low ESRs at high frequencies.

Size	1206	1210	*1808	*1812	*1825	2220	*2225
(L) Length	3.20±.20 (.126±.008)	3.20±.20 (.126±.008)	4.57±.25 (.180±.01)	4.50±.30 (.177±.012)	4.50±.30 (.177±.012)	5.70±.40 (.224±.016)	5.72±.25 (.225±.016)
(W) Width	1.60±.20 (.063±.008)	2.50±.20 (.098±.008)	2.03±.25 (.080±.01)	3.20±.20 (.126±.008)	6.40±.30 (.252±.012)	5±.40 (.197±.016)	6.35±.25 (.250±.010)
(T) Thickness	1.52 (.06)	1.70 (.067)	2.03 (.080)	2.54 (.100)	2.54 (.100)	3.30 (.130)	2.54 (.100)
(t) Terminal							
Min.	.25 (.01)	.25 (.01)	.25 (.01)	.25 (.01)	.25 (.01)	.25 (.01)	.25 (.01)
Max.	.75 (.03)	.75 (.03)	1.02 (.04)	1.02 (.04)	1.02 (.04)	1.02 (.04)	1.02 (.04)

AVX Ceramic Caps, SMD

MOUSER STOCK NO.	AVX Part No.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
1206 Style - Temperature Coef: COG									
581-1206AA220K	1206AA220KAT1A	22	1000	10%				2000	
581-1206GA330K	1206GA330KAT1A	33	2000	10%				2000	
581-1206SA390J	1206SA390JAT1A	39	1500	5%				2000	
581-1206AA470K	1206AA470KAT1A	47	1000	10%				2000	
581-1206SA101J	1206SA101JAT1A	100	1500	5%				2000	
581-1206AA221J	1206AA221JAT1A	220	1000	5%				2000	
581-1206AA471J	1206AA471JAT1A	470	1000	5%				2000	
1206 Style - Temperature Coef: X7R									
581-1206GC101K	1206GC101KAT1A	100	2000	10%				2000	
581-1206GC221K	1206GC221KAT1A	220	2000	10%				2000	
581-1206CC471K	1206CC471KAT1A	470	600	10%				2000	
581-1206AC471K	1206AC471KAT1A	470	1000	10%				2000	
581-1206SC471K	1206SC471KAT1A	470	1500	10%				2000	
581-1206CC102K	1206CC102KAT1A	1000	600	10%				2000	
581-1206AC102K	1206AC102KAT1A	1000	1000	10%				2000	
581-1206GC102K	1206GC102KAT1A	1000	2000	10%				2000	
581-1206SC122K	1206SC122KAT1A	1200	1500	10%				2000	
581-1206AC222K	1206AC222KAT1A	2200	1000	10%				2000	
581-1206AC392K	1206AC392KAT1A	3900	1000	10%				2000	
581-1206AC472K	1206AC472KAT1A	4700	1000	10%				2000	
581-1206CC103K	1206CC103KAT1A	0.01µF	600	10%				2000	
1210 Style - Temperature Coef: COG									
581-1210SA221K	1210SA221KAT1A	220	1500	10%				2000	
581-1210AA331K	1210AA331KAT1A	330	1000	10%				2000	
1210 Style - Temperature Coef: X7R									
581-1210GC821K	1210GC821KAT1A	820	2000	10%				2000	
581-1210AC102K	1210AC102KAT1A	1000	1000	10%				2000	
581-1210GC102K	1210GC102KAT1A	1000	2000	10%				2000	
581-1210GC102M	1210GC102MAT1A	1000	2000	20%				2000	
581-1210AC272K	1210AC272KAT1A	2700	1000	10%				2000	
581-1210SC272K	1210SC272KAT1A	2700	1500	10%				2000	
581-1210SC272M	1210SC272MAT1A	2700	1500	20%				2000	
581-1210GC332KAT1A	1210GC332KAT1A	3300	2000	10%				2000	
581-1210AC472K	1210AC472KAT1A	4700	1000	10%				2000	
581-1210SC562KAT1A	1210SC562KAT1A	5600	1500	10%				2000	
581-1210AC103K	1210AC103KAT1A	0.01µF	1000	10%				2000	
581-1210CC223K	1210CC223KAT1A	0.022µF	600	10%				2000	
1808 Style - Temperature Coef: COG									
581-1808HA270K	1808HA270KAT1A	27	3000	10%				2000	
581-1808AA300K	1808AA300KAT1A	30	1000	10%				2000	
581-1808AA330K	1808AA330KAT1A	33	1000	10%				2000	
581-1808HA330K	1808HA330KAT1A	33	3000	10%				2000	
581-1808HA470K	1808HA470KAT1A	47	3000	10%				2000	
581-1808AA680K	1808AA680KAT1A	68	1000	10%				2000	
581-1808HA820K	1808HA820KAT1A	82	3000	10%				2000	
581-1808AA101K	1808AA101KAT1A	100	1000	10%				2000	
581-1808GA221J	1808GA221JAT1A	220	2000	5%				2000	
581-1808AA331K	1808AA331KAT1A	330	1000	10%				2000	
581-1808AA102K	1808AA102KAT1A	1000	1000	10%				2000	
1808 Style - Temperature Coef: X7R									
581-1808HC330M	1808HC330MAT1A	33	3000	20%				2000	
581-1808GC471K	1808GC471KAT1A	470	2000	10%				2000	
581-1808AC102K	1808AC102KAT1A	1000	1000	10%				2000	
581-1808GC102K	1808GC102KAT1A	1000	2000	10%				2000	
581-1808GC102M	1808GC102MAT1A	1000	2000	20%				2000	
581-1808HC102K	1808HC102KAT1A	1000	3000	10%				2000	
581-1808WC122K	1808WC122KAT1A	1200	2500	10%				2000	
581-1808GC152M	1808GC152MAT1A	1500	2000	20%				2000	
581-1808HC182KAT1A	1808HC182KAT1A	1800	3000	10%				2000	
581-1808AC222K	1808AC222KAT1A	2200	1000	10%				2000	
581-1808GC332KAT1A	1808GC332KAT1A	3300	2000	10%				2000	
581-1808AC472K	1808AC472KAT1A	4700	1000	10%				2000	
581-1808AC682K	1808AC682KAT1A	6800	1000	10%				2000	
581-1808SC102K	1808SC102KAT1A	1000	1500	10%				2000	
581-1808AC103K	1808AC103KAT1A	0.01µF	1000	10%				2000	
581-1808CC683KAT1A	1808CC683KAT1A	0.068µF	600	10%				2000	
1812 Style - Temperature Coef: COG									
581-1812HA270K	1812HA270KAT1A	27	3000	10%				1000	
581-1812HA470J	1812HA470JAT1A	47	3000	5%				1000	
581-1812GA560J	1812GA560JAT1A	56	2000	5%				1000	
581-1812CA101K	1812CA101KAT1A	100	600	10%				1000	
581-1812AA101J	1812AA101JAT1A	100	1000	5%				1000	
581-1812HA101K	1812HA101KAT1A	100	3000	10%				1000	
581-1812GA151J	1812GA151JAT1A	150	2000	5%				1000	
581-1812AA221K	1812AA221KAT1A	220	1000	10%				1000	
581-1812HA221J	1812HA221JAT1A	220	3000	5%				1000	
581-1812HA221K	1812HA221KAT1A	220	3000	10%				1000	
581-1812GA331J	1812GA331JAT1A	330	2000	5%				1000	
581-1812AA471J	1812AA471JAT1A	470	1000	5%				1000	
581-1812GA471J	1812GA471JAT1A	470	2000	5%				1000	
581-1812SA561K	1812SA561KAT1A	560	1500	10%				1000	
581-1812AA821J	1812AA821JAT1A	820	1000	5%				1000	
581-1812AA102K	1812AA102KAT1A	1000	1000	10%				1000	
1812 Style - Temperature Coef: X7R									
581-1812GC331M	1812GC331MAT1A	330	2000	20%				1000	

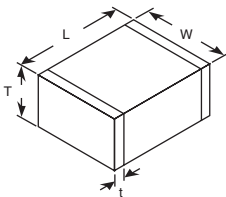
MOUSER STOCK NO.	AVX Part No.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
1812 Style - Temperature Coef: X7R (Cont.)									
581-1812HC102K	1812HC102KAT1A	1000	3000	10%				2000	
581-1812AC102K	1812AC102KAT1A	1000	1000	10%				2000	
581-1812GC102K	1812GC102KAT1A	1000	2000	10%				1000	
581-1812GC102M	1812GC102MAT1A	1000	2000	20%				1000	
581-1812WC102K	1812WC102KAT1A	1000	2500	10%				1000	
581-1812WC122M	1812WC122MAT1A	1200	2500	20%				1000	
581-1812GC272K	1812GC272KAT1A	2700	2000	10%				1000	
581-1812GC332K	1812GC332KAT1A	3300	2000	10%				1000	
581-1812HC332KAT1A	1812HC332KAT1A	3300	3000	10%				1000	
581-1812HC392KAT1A	1812HC392KAT1A	3900	3000	10%				1000	
581-1812AC472K	1812AC472KAT1A	4700	1000	10%				1000	
581-1812SC472K	1812SC472KAT1A	4700	1500	10%				1000	
581-1812GC472K	1812GC472KAT1A	4700	2000	10%				1000	
581-1812AC502K	1812AC502KAT1A	5000	1000	10%				1000	
581-1812SC562K	1812SC562KAT1A	5600	1500	10%				1000	
581-1812GC682KAT1A	1812GC682KAT1A	6800	2000	10%				1000	
581-1812GC822KAT1A	1812GC822KAT1A	8200	2000	10%				1000	
581-1812CC103K	1812CC103KAT1A	0.01µF	600	10%				1000	
581-1812AC103J	1812AC103JAT1A	0.01µF	1000	5%				2000	
581-1812AC103M	1812AC103MAT1A	0.01µF	1000	20%				1000	
581-1812AC203M	1812AC203MAT1A	0.02µF	1000	20%				1000	

AVX Tin/Lead Chip Capacitors



MLCC TIN/LEAD TERMINATION "B"

AVX Corporation will support those customers for commercial and military multilayer ceramic capacitors with a termination consisting of 5% minimum lead. This termination is indicated by the use of a "B" in the 12th position of the AVX catalog part number. This fulfills AVX's commitment to providing a full range of products to our customers.



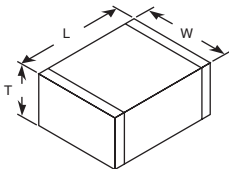
Size	DIMENSIONS: mm (in.)		
	LD03	LD05	LD06
(L) Length	1.60±0.15 (0.063±0.006)	2.01±0.20 (0.079±0.008)	3.20±0.20 (0.126±0.008)
(W) Width	0.81±0.15 (0.032±0.006)	1.25±0.20 (0.049±0.008)	1.60±0.20 (0.063±0.008)
(t) Terminal	0.35±0.15 (0.014±0.006)	0.50±0.25 (0.020±0.010)	0.50±0.25 (0.020±0.010)
Soldering	Reflow Only	Reflow/Wave	Reflow/Wave
Packaging	All Paper	Paper/Embossed	Paper/Embossed

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Dielectric	Value (pF)	Voltage	Tolerance (±)	Thickness Max. (T): mm (in.)	Price Each					Reel Qty.	Price Each
							1	100	500	1000	2000		
0603													
581-LD035A150JAB2A	LD035A150JAB2A	C0G	15	50	5%	0.86 (0.034)						4000	
581-LD035A220JAB2A	LD035A220JAB2A	C0G	22	50	5%	0.86 (0.034)						4000	
581-LD035A101JAB2A	LD035A101JAB2A	C0G	100	50	5%	0.86 (0.034)						4000	
581-LD031A101JAB2A	LD031A101JAB2A	C0G	100	100	5%	0.86 (0.034)						4000	
581-LD035A221JAB2A	LD035A221JAB2A	C0G	220	50	5%	0.86 (0.034)						4000	
581-LD035A331JAB2A	LD035A331JAB2A	C0G	330	50	5%	0.86 (0.034)						4000	
581-LD035A471JAB2A	LD035A471JAB2A	C0G	470	50	5%	0.86 (0.034)						4000	
581-LD035C102KAB2A	LD035C102KAB2A	X7R	1000	50	10%	0.86 (0.034)						4000	
581-LD035C222KAB2A	LD035C222KAB2A	X7R	2200	50	10%	0.86 (0.034)						4000	
581-LD03YC103KAB2A	LD03YC103KAB2A	X7R	0.01µF	16	10%	0.86 (0.034)						4000	
581-LD035C103KAB2A	LD035C103KAB2A	X7R	0.01µF	50	10%	0.86 (0.034)						4000	
581-LD031C103KAB2A	LD031C103KAB2A	X7R	0.01µF	100	10%	0.86 (0.034)						4000	
581-LD03YC104KAB2A	LD03YC104KAB2A	X7R	0.1µF	16	10%	0.86 (0.034)						4000	
581-LD035C104KAB2A	LD035C104KAB2A	X7R	0.1µF	50	10%	0.86 (0.034)						4000	
0805													
581-LD055A100KAB2A	LD055A100KAB2A	C0G	10	50	10%	0.71 (0.028)						4000	
581-LD051A220KAB2A	LD051A220KAB2A	C0G	22	100	10%	0.71 (0.028)						4000	
581-LD051A470KAB2A	LD051A470KAB2A	C0G	47	100	10%	0.71 (0.028)						4000	
581-LD051A101JAB2A	LD051A101JAB2A	C0G	100	100	5%	0.71 (0.028)						4000	
581-LD051A101KAB2A	LD051A101KAB2A	C0G	100	100	10%	0.71 (0.028)						4000	
581-LD055A331JAB2A	LD055A331JAB2A	C0G	330	50	5%	0.71 (0.028)						4000	
581-LD051A471JAB2A	LD051A471JAB2A	C0G	470	100	5%	0.94 (0.037)						4000	
581-LD051A102JAB2A	LD051A102JAB2A	C0G	1000	100	5%	0.94 (0.037)						4000	
581-LD051A102KAB2A	LD051A102KAB2A	C0G	1000	100	10%	0.94 (0.037)						4000	
581-LD055C102KAB2A	LD055C102KAB2A	X7R	1000	50	10%	0.94 (0.037)						4000	
581-LD051C102KAB2A	LD051C102KAB2A	X7R	1000	100	10%	0.94 (0.037)						4000	
581-LD055C472KAB2A	LD055C472KAB2A	X7R	4700	50	10%	1.40 (0.055)						4000	
581-LD055C103KAB2A	LD055C103KAB2A	X7R	0.01µF	50	10%	0.94 (0.037)						4000	
581-LD051C103KAB2A	LD051C103KAB2A	X7R	0.033µF	100	10%	0.94 (0.037)						4000	
581-LD055C333KAB2A	LD055C333KAB2A	X7R	0.047µF	50	10%	1.27 (0.050)						4000	
581-LD055C473KAB2A	LD055C473KAB2A	X7R	0.047µF	50	10%	1.27 (0.050)						4000	
581-LD051C473KAB2A	LD051C473KAB2A	X7R	0.047µF	100	10%	1.27 (0.050)						2000	
581-LD055C683KAB2A	LD055C683KAB2A	X7R	0.063µF	50	10%	1.27 (0.050)						4000	
581-LD053C104KAB2A	LD053C104KAB2A	X7R	0.1µF	25	10%	0.94 (0.037)						4000	
581-LD053C224KAB2A	LD053C224KAB2A	X7R	0.22µF	25	10%	1.27 (0.050)						2000	
1206													
581-LD065C103KAB2A	LD065C103KAB2A	X7R	0.01µF	50	10%	0.94 (0.037)						4000	
581-LD065C104KAB2A	LD065C104KAB2A	X7R	0.1µF	50	10%	0.94 (0.037)						4000	
581-LD061C104KAB2A	LD061C104KAB2A	X7R	0.1µF	100	10%	1.27 (0.050)						2000	
581-LD065C224KAB2A	LD065C224KAB2A	X7R	0.22µF	50	10%	0.94 (0.037)						4000	
581-LD065C334KAB2A	LD065C334KAB2A	X7R	0.33µF	50	10%	1.27 (0.050)						2000	
581-LD065C474KAB2A	LD065C474KAB2A	X7R	0.47µF	50	10%	1.27 (0.050)						2000	
581-LD063C105KAB2A	LD063C105KAB2A	X7R	1.0µF	25	10%	1.78 (0.07)						2000	

HIGH VOLTAGE MLC CHIPS TIN/LEAD TERMINATION "B"

Larger physical sizes than normally encountered chips are used to make high voltage MLC chip product. Special precautions must be taken in applying these chips in surface mount assemblies. The temperature gradient during heating or cooling cycles should not exceed 4°C per second. The preheat temperature must be within 50°C of the peak temperature reached by the ceramic bodies through the soldering process. Chip sizes 1808 and larger should be reflow soldered only. Capacitors may require protective surface coating to prevent external arcing.



Size	DIMENSIONS: mm (in.)			
	LD06	LD08	LD12	LD13
(L) Length	3.20±0.2 (0.126±0.008)	4.57±0.25 (0.180±0.010)	4.50±0.3 (0.177±0.012)	4.50±0.3 (0.177±0.012)
(W) Width	1.60±0.2 (0.063±0.008)	2.03±0.25 (0.080±0.010)	3.20±0.2 (0.126±0.008)	6.40±0.3 (0.252±0.012)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Dielectric	Value (pF)	Voltage	Tolerance (±)	Thickness Max. (T): mm (in.)	Price Each				Reel Qty.	Price Each	
							1	100	500	1000			
1206													
581-LD06GA220KAB1A	LD06GA220KAB1A	C0G	22	2000	10%	1.52 (0.060)						2000	
581-LD06GC101KAB1A	LD06GC101KAB1A	X7R	100	2000	10%	1.52 (0.060)						2000	
581-LD06GC102KAB1A	LD06GC102KAB1A	X7R	1000	2000	10%	1.52 (0.060)						2000	
581-LD06AC472KAB1A	LD06AC472KAB1A	X7R	4700	1000	10%	1.52 (0.060)						2000	
581-LD06CC103KAB1A	LD06CC103KAB1A	X7R	0.01µF	600	10%	1.52 (0.060)						2000	
1808													
581-LD08HC471KAB1A	LD08HC471KAB1A	X7R	470	3000	10%	2.03 (0.080)						2000	
581-LD08AC103KAB1A	LD08AC103KAB1A	X7R	0.01µF	1000	10%	2.03 (0.080)						2000	
581-LD08AC153KAB1A	LD08AC153KAB1A	X7R	0.015µF	1000	10%	2.03 (0.080)						2000	
1812													
581-LD12HA221JAB1A	LD12HA221JAB1A	C0G	220	3000	5%	2.54 (0.100)						2000	
581-LD12GA331JAB1A	LD12GA331JAB1A	C0G	330	2000	5%	2.54 (0.100)						2000	
581-LD12HC102KAB1A	LD12HC102KAB1A	X7R	1000	3000	10%	2.54 (0.100)						1000	
581-LD12AC103KAB1A	LD12AC103KAB1A	X7R	0.01µF	1000	10%	2.54 (0.100)						1000	
1825													
581-LD13HC272KAB1A	LD13HC272KAB1A	X7R	2700	3000	10%	2.54 (0.100)						1000	
581-LD13GC562KAB1A	LD13GC562KAB1A	X7R	5600	2000	10%	2.54 (0.100)						1000	
581-LD13CA103KAB1A	LD13CA103KAB1A	C0G	0.01µF	600	10%	2.54 (0.100)						1000	
581-LD13GC103KAB1A	LD13GC103KAB1A	X7R	0.01µF	2000	10%	2.54 (0.100)						1000	
581-LD13CC154KAB1A	LD13CC154KAB1A	X7R	0.15µF	600	10%	2.54 (0.100)						1000	

AVX MLCC Capacitors and Kits

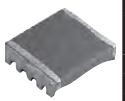


Products may be RoHS compliant. Check mouser.com for RoHS status.

RH SERIES CAPACITORS

This range of uncoated MLCC capacitors are processed for input and output filter capacitors in high frequency DC-DC converter applications above 10 watts e.g. telecomms and instrumentation, where high volume and low cost is required.

Style	L max	W max	H max	S ± 0.1 (±0.004)	h	No. of leads per side	DIMENSIONS: mm (in.)		
							1	50	100
RH22	7.62(0.300)	5.40(0.213)	7.50(0.295)	2.50(0.098)	1.50±0.30(0.059±0.012)	2			
RH51	10.7(0.421)	10.7(0.421)	4.90(0.192)	7.62(0.300)	1.60±0.10(0.062±0.004)	4			
RH52	10.7(0.421)	10.7(0.421)	8.20(0.323)	7.62(0.300)	1.60±0.10(0.062±0.004)	4			



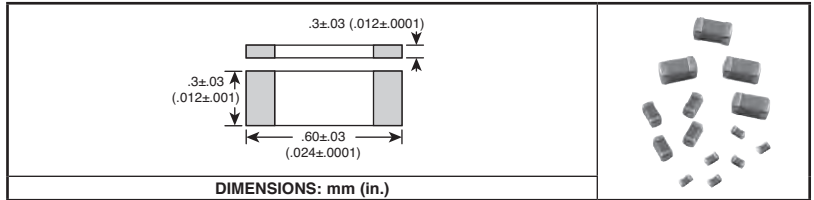
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (µF)	Volt	Price Each		
					1	50	100
Style RH22							
581-RH221C106MA3RA3	RH221C106MA3RA3	X7R	10	100			
581-RH225C226MA3RA3	RH225C226MA3RA3	X7R	22	50			
581-RH223C476MA3RA3	RH223C476MA3RA3	X7R	47	25			
Style RH51							
581-RH511C126MA3RA3	RH511C126MA3RA3	X7R	12	100			
Style RH52							
581-RH521C226MA3RA3	RH521C226MA3RA3	X7R	22	100			
581-RH525C336MA3RA3	RH525C336MA3RA3	X7R	33	50			

AU SERIES CAPACITOR

Features:

- Capacitance Tolerance: ±10%
- Temperature Characteristic: ±15%
- Test Frequency: 1 kHz @ 1 Vrms ± 2V
- Termination: Nickel Barrier, Gold Flash
- For insulation resistance, charge device with rated voltage for 120secs @ room temp/humidity



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (nF)	Volt	Dissipation Factor (%)	Operating Temp. (°C)	Insulation Resistance (MΩ)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
581-AU016D104KAG2A	AU016D104KAG2A	100	6.3	10 max.	-55 to +85	1,000 min.				15000	

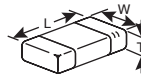
AVX HI-CAP MULTILAYER CERAMIC CHIP CAPACITORS

Application Note:

A higher voltage capacitor may be used in a lower voltage application. Also available in various voltages, tolerances, sizes, and temperature coefficients.

Features:

- Temperature coefficient: COG (NP0) -55°C to +125°C
- X7R -55°C to +125°C
- X5R -55°C to +85°C
- Y5V -30°C to +85°C



DIMENSIONS: mm (in.)

Size	(L) Length	(W) Width	(T) Thickness
0402	1 ± 0.1 (.04 ± .004)	5 ± 0.10 (.002 ± .004)	.6 (.024)
0603	1.6 ± .15 (.063 ± .006)	.81 ± .15 (.032 ± .006)	.9 (.035)
0805	2.01 ± .2 (.079 ± .008)	1.25 ± .2 (.049 ± .008)	1.3 (.051)
1206	3.20 ± .2 (.126 ± .008)	1.6 ± .2 (.063 ± .008)	1.5 (.059)
1210	3.2 ± .2 (.126 ± .008)	2.50 ± .2 (.098 ± .008)	.5±.25 (.02±.01)

MOUSER STOCK NO.	Description	Price Each
581-HIGHCAP-KIT	20 pieces for ea. 28 values	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (µF)	Volt.	Tol ± (%)	Price Each			Reel Qty.	Price Per Piece
						1	100	1000		
Style 0402										
581-04024D105M	04024D105MAT2A	X5R	1	4	10				10000	
581-04026D105M	04026D105KAT2A	X5R	1	6.3	10				10000	
581-04022D105M	04022D105KAT2A	X5R	1	10	10				10000	
581-04024D225M	04024D225MAT2A	X5R	2.2	4	10				10000	
Style 0603										
581-06036D105K	06036D105KAT2A	X5R	1	6.3	10				4000	
581-0603ZD105K	0603ZD105KAT2A	X5R	1	10	10				4000	
581-0603ZG105Z	0603ZG105ZAT2A	Y5V	1	10	+80-20				4000	
581-0603YD105K	0603YD105KAT2A	X5R	1	16	10				4000	
581-06033D105K	06033D105KAT2A	X5R	1	25	10				4000	
581-06034D225K	06034D225KAT2A	X5R	2.2	4	10				4000	
581-06036D225K	06036D225KAT2A	X5R	2.2	6.3	10				4000	
581-0603ZD225K	0603ZD225KAT2A	X5R	2.2	10	10				4000	
581-0603YD225K	0603YD225KAT2A	X5R	2.2	16	10				4000	
581-06034D106M	06034D106MAT2A	X5R	10	4	20				3000	
Style 0805										
581-0805ZC105K	0805ZC105KAT2A	X7R	1	10	10				3000	
581-0805YD105K	0805YD105KAT2A	X5R	1	16	10				2000	
581-08053D105K	08053D105KAT2A	X5R	1	25	10				3000	
581-08055D105K	08055D105KAT2A	X5R	1	50	10				3000	
581-0805YG105Z	0805YG105ZAT2A	Y5V	1	16	+80-20				2000	
581-08053G105Z	08053G105ZAT2A	Y5V	1	25	+80-20				2000	
581-0805YG225Z	0805YG225ZAT2A	Y5V	2.2	16	+80-20				3000	
581-0805YD225K	0805YD225KAT2A	X5R	2.2	16	10				3000	
581-08053D225K	08053D225KAT2A	X5R	2.2	25	10				3000	
581-08056D335K	08056D335KAT2A	X5R	3.3	6.3	10				3000	
581-0805ZD335K	0805ZD335KAT2A	X5R	3.3	10	10				3000	
581-0805ZG475Z	0805ZG475ZAT2A	Y5V	4.7	10	+80-20				3000	
581-08056D475K	08056D475KAT2A	X5R	4.7	6.3	10				3000	
581-0805ZD475K	0805ZD475KAT2A	X5R	4.7	10	10				3000	
581-0805YD475K	0805YD475KAT2A	X5R	4.7	16	10				3000	
581-08053D475K	08053D475KAT2A	X5R	4.7	25	10				3000	
581-08056D106K	08056D106KAT2A	X5R	10	6.3	10				3000	
581-0805ZD106K	0805ZD106KAT2A	X5R	10	10	10				3000	
581-0805YD106K	0805YD106KAT2A	X5R	10	16	10				3000	
Style 1206										
581-1206YG105Z	1206YG105ZAT2A	Y5V	1	16	+80-20				4000	
581-1206YC105J	1206YC105JAT2A	X7R	1	16	5				2500	
581-1206YC105K	1206YC105KAT2A	X7R	1	16	10				3000	
581-12063C105KAT2A	12063C105KAT2A	X7R	1	25	10				3000	
581-1206ZC225K	1206ZC225KAT2A	X7R	2.2	10	10				2500	
581-1206ZC225J	1206ZC225JAT2A	X7R	2.2	10	5				2000	

For quantities greater than listed, call for quote.

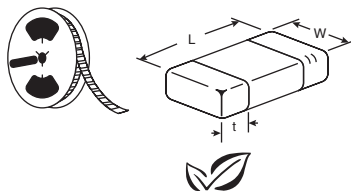
MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (µF)	Volt.	Tol ± (%)	Price Each			Reel Qty.	Price Per Piece
						1	100	1000		
Style 1206 (Cont.)										
581-1206ZD335K	1206ZD335KAT2A	X5R	3.3	10	10				2000	
581-1206ZD475K	1206ZD475KAT2A	X5R	4.7	10	10				2000	
581-12066D106K	12066D106KAT2A	X5R	10	6.3	10				4000	
581-1206ZD106K	1206ZD106KAT2A	X5R	10	10	10				2500	
581-12066D226M	12066D226MAT2A	X5R	22	6.3	20				2500	
581-12066D476M	12066D476MAT2A	X5R	47	6.3	20				2500	
581-12063G105Z	12063G105ZAT2A	Y5V	1	25	+80-20				4000	
581-12065G105Z	12065G105ZAT2A	Y5V	1	50	+80-20				4000	
581-1206YG225Z	1206YG225ZAT2A	Y5V	2.2	16	+80-20				3000	
581-12063G225Z	12063G225ZAT2A	Y5V	2.2	25	+80-20				3000	
581-1206YG475Z	1206YG475ZAT2A	Y5V	4.7	16	+80-20				2000	
581-1206ZG106Z	1206ZG106ZAT2A	Y5V	10	10	+80-20				2500	
Style 1210										
581-12103C105K	12103C105KAT2A	X7R	1	25	0.1				3000	
581-12103C105M	12103C105MAT2A	X7R	1	25	0.2				3000	
581-12105C105K	12105C105KAT2A	X7R	1	50	0.1				2000	
581-1210YC125K	1210YC125KAT2A	X7R	1.2	16	0.1				2000	
581-1210YC185K	1210YC185KAT2A	X7R	1.8	16	0.1				2000	
581-1210YC225K	1210YC225KAT2A	X7R	2.2	16	0.1				2000	
581-12103C225K	12103C225KAT2A	X7R	2.2	25	0.1				2000	
581-12103C225M	12103C225MAT2A	X7R	2.2	25	0.2				2000	
581-1210YC475J	1210YC475JAT2A	X7R	4.7	16	0.05				1000	
581-1210YC475K	1210YC475KAT2A	X7R	4.7	16	0.1				1000	
581-12103D475M	12103D475MAT2A	X5R	4.7	25	0.2				1000	
581-1210ZD106K	1210ZD106KAT2A	X5R	10	10	0.1				2000	
581-1210YD106K	1210YD106KAT2A	X5R	10	16	0.1				2000	
581-1210YD106M	1210YD106MAT2A	X5R	10	16	0.2				1000	
581-12103D106K	12103D106KAT2A	X5R	10	25	0.1				2000	
581-12106D226K	12106D226KAT2A	X5R	22	6.3	0.1				1000	
581-1210ZD226K	1210ZD226KAT2A	X5R	22	10	0.1				1000	
581-1210ZD226M	1210ZD226MAT2A	X5R	22	10	0.2				1000	
581-1210YD226K	1210YD226KAT2A	X5R	22	16	0.1				1000	
581-12106D476M	12106D476MAT2A	X5R	47	6.3	0.2				1000	
581-12105G105Z	12105G105ZAT2A	Y5V	1	50	+80-20				3000	
581-1210YG475Z	1210YG475ZAT2A	Y5V	4.7	16	+80-20				2500	
581-12103G475Z	12103G475ZAT2A	Y5V	4.7	25	+80-20				3000	
581-1210ZG106Z	1210ZG106ZAT2A	Y5V	10	10	+80-20				2500	
581-12103G106Z	12103G106ZAT2A	Y5V	1							

AVX 0201, 0402, 0603 - Multilayer Ceramic Chip Capacitors



Application Note:

A higher voltage capacitor may be used in a lower voltage application. Also available in various voltages, tolerances, sizes, and temperature coefficients.



Features:

- Temperature coefficient: COG (NP0) -55°C to +125°C
X7R -55°C to +125°C
X5R -55°C to +85°C
Y5V -30°C to +85°C
- Preferred tolerances: ±5%, 10%, 20%

Style 0101

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			
						1	100	1000	20000
581-01016D101KAT2A	01016D101KAT2A	X5R	100	6.3	10%				
581-01016D102KAT2A	01016D102KAT2A	X5R	1000	6.3	10%				
581-01016D103KAT2A	01016D103KAT2A	X5R	0.01µF	6.3	10%				
581-0101YA120JAT2A	0101YA120JAT2A	COG	12	16	5%				
581-0101YA150JAT2A	0101YA150JAT2A	COG	15	16	5%				
581-0101YA1R2BAT2A	0101YA1R2BAT2A	COG	1.2	16	.10pF				
581-0101YA2R2BAT2A	0101YA2R2BAT2A	COG	2.2	16	.10pF				
581-0101YA3R9BAT2A	0101YA3R9BAT2A	COG	3.9	16	.10pF				
581-0101YA3R9CAT2A	0101YA3R9CAT2A	COG	3.9	16	.25pF				

Style 0201

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			
						1	100	1000	15000
581-02013A1R0C	02013A1R0CAT2A	COG	1.0	25	.25pF				
581-02013A2R7C	02013A2R7CAT2A	COG	2.7	25	.25pF				
581-02013A4R7C	02013A4R7CAT2A	COG	4.7	25	.25pF				
581-02013A330J	02013A330JAT2A	COG	33	25	5%				
581-0201YC181K	0201YC181KAT2A	X7R	180	16	10%				
581-0201YC331K	0201YC331KAT2A	X7R	330	16	10%				
581-0201YC821K	0201YC821KAT2A	X7R	820	16	10%				
581-0201YC102K	0201YC102KAT2A	X7R	1000	16	10%				
581-020110D103K	0201ZD103KAT2A	X5R	0.01µF	10	10%				
581-0201ZG103Z	0201ZG103ZAT2A	Y5V	0.01µF	10	80,±20				
581-02016G47Z	02016G47ZAT2A	Y5V	0.047µF	6.3	80,±20				

Style 0402

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			
						1	100	1000	10000
581-04025A0R5C	04025A0R5CAT2A	COG	0.5	50	.25pF				
581-04023A1R0B	04023A1R0BAT2A	COG	1.0	25	0.1pF				
581-04025A1.0C	04025A1R0CAT2A	COG	1.0	50	.25pF				
581-04025A1R2C	04025A1R2CAT2A	COG	1.2	50	.25pF				
581-04025A1R5C	04025A1R5CAT2A	COG	1.5	50	.25pF				
581-04025A2R2C	04025A2R2CAT2A	COG	2.2	50	.25pF				
581-04025A2R7C	04025A2R7CAT2A	COG	2.7	50	.25pF				
581-04025A3R0C	04025A3R0CAT2A	COG	3.0	50	.25pF				
581-04025A3R3C	04025A3R3CAT2A	COG	3.3	50	.25pF				
581-04025A3R9C	04025A3R9CAT2A	COG	3.9	50	.25pF				
581-04025A4.7C	04025A4R7CAT2A	COG	4.7	50	.25pF				
581-04025A5R6C	04025A5R6CAT2A	COG	5.6	50	.25pF				
581-04025A6R8C	04025A6R8CAT2A	COG	6.8	50	.25pF				
581-04025A100J	04025A100JAT2A	COG	10	50	5%				
581-04025A120J	04025A120JAT2A	COG	12	50	5%				
581-04025A150F	04025A150FAT2A	COG	15	50	1%				
581-04025A150G	04025A150GAT2A	COG	15	50	2%				
581-04025A150J	04025A150JAT2A	COG	15	50	5%				
581-04025A180F	04025A180FAT2A	COG	18	50	1%				
581-04025A180J	04025A180JAT2A	COG	18	50	5%				
581-04023A220K	04023A220KAT2A	COG	22	25	10%				
581-04025A220J	04025A220JAT2A	COG	22	50	5%				
581-04025A270J	04025A270JAT2A	COG	27	50	5%				
581-04025A330J	04025A330JAT2A	COG	33	50	5%				
581-04025A390J	04025A390JAT2A	COG	39	50	5%				
581-04025A470J	04025A470JAT2A	COG	47	50	5%				
581-04025A560J	04025A560JAT2A	COG	56	50	5%				
581-04025A680J	04025A680JAT2A	COG	68	50	5%				
581-04025A820J	04025A820JAT2A	COG	82	50	5%				
581-04023A101F	04023A101FAT2A	COG	100	25	1%				
581-04025A101J	04025A101JAT2A	COG	100	50	5%				
581-04023A151J	04023A151JAT2A	COG	150	25	5%				
581-04025A151J	04025A151JAT2A	COG	150	50	5%				
581-04023A181J	04023A181JAT2A	COG	180	25	5%				
581-04025A181J	04025A181JAT2A	COG	180	50	5%				
581-04025C331K	04025C331KAT2A	X7R	330	50	10%				
581-04023C151M	04023C151MAT2A	X7R	150	25	20%				
581-04025C221K	04025C221KAT2A	X7R	220	50	10%				
581-04025C241J	04025C241JAT2A	X7R	240	50	5%				
581-04025C271K	04025C271KAT2A	X7R	270	50	10%				
581-04023C471J	04023C471JAT2A	X7R	470	25	5%				
581-04023C471K	04023C471KAT2A	X7R	470	25	10%				
581-04025C471J	04025C471JAT2A	X7R	470	50	5%				
581-04025C471K	04025C471KAT2A	X7R	470	50	10%				
581-04023C561J	04023C561JAT2A	X7R	560	25	5%				
581-04025C561K	04025C561KAT2A	X7R	560	50	10%				

Size	0101	0201	0402	0603
Soldering	Reflow Only	Reflow Only	Reflow Only	Reflow Only
Packaging	All Paper	All Paper	PaperAll	PaperPaper
L	0.40 ± 0.03	0.60 ± 0.03	1.00 ± 0.10	1.60 ± 0.15
Length	(0.016 ± 0.0008)	(0.024 ± 0.001)	(0.040 ± 0.004)	(0.063 ± 0.006)
W	0.20 ± 0.02	0.30 ± 0.03	0.50 ± 0.1	0.81 ± 0.15
Width	(0.008 ± 0.0008)	(0.011 ± 0.001)	(0.020 ± 0.004)	(0.032 ± 0.006)
t	0.10 ± 0.04	0.15 ± 0.05	0.25 ± 0.15	0.35 ± 0.15
Terminal	(0.004 ± 0.016)	(0.006 ± 0.002)	(0.010 ± 0.006)	(0.014 ± 0.006)

DIMENSIONS: mm (in.)

Style 0402 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			
						1	100	1000	10000
581-04025C681J	04025C681JAT2A	X7R	680	50	5%				
581-0402YC681K	0402YC681KAT2A	X7R	680	16	10%				
581-04023C102J	04023C102JAT2A	X7R	1000	25	5%				
581-04025C102J	04025C102JAT2A	X7R	1000	50	5%				
581-04025C102K	04025C102KAT2A	X7R	1000	50	10%				
581-04023C152K	04023C152KAT2A	X7R	1500	25	10%				
581-04025C152K	04025C152KAT2A	X7R	1500	50	10%				
581-04025C222K	04025C222KAT2A	X7R	2200	50	10%				
581-04023C472J	04023C472JAT2A	X7R	4700	25	5%				
581-04023C472K	04023C472KAT2A	X7R	4700	25	10%				
581-04023C682K	04023C682KAT2A	X7R	6800	25	10%				
581-0402YC103J	0402YC103JAT2A	X7R	0.01µF	16	5%				
581-040216C103K	0402YC103KAT2A	X7R	0.01µF	16	10%				
581-0402ZD473K	0402ZD473KAT2A	X5R	0.47µF	10	10%				
581-040216G104Z	0402YG104ZAT2A	Y5V	0.1µF	16	80,±20				

Style 0603

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			
						1	100	1000	4000
581-06035A1R0C	06035A1R0CAT2A	COG	1.0	50	.25pF				
581-06035A1R5C	06035A1R5CAT2A	COG	1.5	50	.25pF				
581-06033A2R2C	06033A2R2CAT2A	COG	2.2	25	.25pF				
581-06035A2R2C	06035A2R2CAT2A	COG	2.2	50	.25pF				
581-06035A3R3C	06035A3R3CAT2A	COG	3.3	50	.25pF				
581-06035A4R7J	06035A4R7JAT2A	COG	4.7	50	5%				
581-06035A5R0C	06035A5R0CAT2A	COG	5.0	50	.25pF				
581-06035A6R8J	06035A6R8JAT2A	COG	6.8	50	5%				
581-06035A100J	06035A100JAT2A	COG	10	50	5%				
581-06031A100J	06031A100JAT2A	COG	10	100	5%				
581-06031A100K	06031A100KAT2A	COG	10	100	10%				
581-06035A110J	06035A110JAT2A	COG	11	50	5%				
581-06035A120J	06035A120JAT2A	COG	12	50	5%				
581-06035A150J	06035A150JAT2A	COG	15	50	5%				
581-06031A150J	06031A150JAT2A	COG	15	100	5%				
581-06031A150K	06031A150KAT2A	COG	15	100	10%				
581-06035A180J	06035A180JAT2A	COG	18	50	5%				
581-06031A180J	06031A180JAT2A	COG	18	100	5%				
581-06033A220J	06033A220JAT2A	COG	22	25	5%				
581-06035A220J	06035A220JAT2A	COG	22	50	5%				
581-06035A220K	06035A220KAT2A	COG	22	50	10%				
581-06031A220J	06031A220JAT2A	COG	22	100	5%				
581-06035A270J	06035A270JAT2A	COG	27	50	5%				
581-06035A270K	06035A270KAT2A	COG	27	50	10%				
581-06031A270K	06031A270KAT2A	COG	27	100	10%				
581-06035A330J	06035A330JAT2A	COG	33	50	5%				
581-06031A330J	06031A330JAT2A	COG	33	100	5%				
581-06035A360J	06035A360JAT2A	COG	36	50	5%				
581-06035A390J	06035A390JAT2A	COG	39	50	5%				
581-06031A390J	06031A390JAT2A	COG	39	100	5%				
581-06033A470J	06033A470JAT2A	COG	47	25	5%				
581-06035A470J	0603								

AVX 0603, 0805 - Multilayer Ceramic Chip Capacitors



Application Note:

A higher voltage capacitor may be used in a lower voltage application. Also available in various voltages, tolerances, sizes, and temperature coefficients.

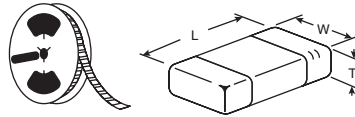
Features:

- Temperature coefficient: COG (NP0) -55°C to +125°C
- X7R -55°C to +125°C
- X5R -55°C to +85°C
- Y5V -30°C to +85°C

* Preferred tolerances: ±5%, 10%, 20%



RoHS Compliant



Case Size	DIMENSIONS: mm (in.)		
	L Length	W Width	T Thickness
0603	1.60 ± .15 (.063 ± .006)	.81 ± .15 (.032 ± .006)	.35 ± .15 (.014 ± .006)
0805	2.01 ± 0.20 (.079 ± .008)	1.25 ± 0.20 (.049 ± .008)	.50 ± .25 (.020 ± .010)

Style 0603 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each				Reel Qty.	Price Per Piece	
						1	100	1000	4000			
581-06035A681J	06035A681JAT2A	COG	680	50	5%							
581-06035A681K	06035A681KAT2A	COG	680	50	10%							
581-06033A102K	06033A102KAT2A	COG	1000	25	10%							
581-06035C101K	06035C101KAT2A	X7R	100	50	10%							
581-06031C101K	06031C101KAT2A	X7R	100	100	10%							
581-06035C221K	06035C221KAT2A	X7R	220	50	10%							
581-06035C331K	06035C331KAT2A	X7R	330	50	10%							
581-06035C471K	06035C471KAT2A	X7R	470	50	10%							
581-06035C561J	06035C561JAT2A	X7R	560	50	5%							
581-06035C561K	06035C561KAT2A	X7R	560	50	10%							
581-06035C681K	06035C681KAT2A	X7R	680	50	10%							
581-06031C821K	06031C821KAT2A	X7R	820	100	10%							
581-06032C102K	06032C102KAT2A	X7R	1000	10	10%							
581-06035C102J	06035C102JAT2A	X7R	1000	50	5%							
581-06035C102K	06035C102KAT2A	X7R	1000	50	10%							
581-06031C102J	06031C102JAT2A	X7R	1000	100	5%							
581-06031C102K	06031C102KAT2A	X7R	1000	100	10%							
581-06035C152K	06035C152KAT2A	X7R	1500	50	10%							
581-06033C182K	06033C182KAT2A	X7R	1800	25	10%							
581-06035C222J	06035C222JAT2A	X7R	2200	50	5%							
581-06035C222K	06035C222KAT2A	X7R	2200	50	10%							
581-06031C222K	06031C222KAT2A	X7R	2200	100	10%							
581-06035C332K	06035C332KAT2A	X7R	3300	50	10%							
581-06031C332K	06031C332KAT2A	X7R	3300	100	10%							
581-0603YC392K	0603YC392KAT2A	X7R	3900	16	10%							
581-06033C472K	06033C472KAT2A	X7R	4700	25	10%							
581-06035C472K	06035C472KAT2A	X7R	4700	50	10%							
581-06031C472K	06031C472KAT2A	X7R	4700	100	10%							
581-06035C562J	06035C562JAT2A	X7R	5600	50	5%							
581-06035C682K	06035C682KAT2A	X7R	6800	50	10%							
581-06033C153J	06033C153JAT2A	X7R	.015µF	25	5%							
581-06035C153K	06035C153KAT2A	X7R	.015µF	50	10%							
581-06032C103K	06032C103KAT2A	X7R	.01µF	10	10%							
581-0603YC103K	0603YC103KAT2A	X7R	.01µF	16	10%							
581-06033C103M	06033C103MAT2A	X7R	.01µF	25	20%							
581-06035C103J	06035C103JAT2A	X7R	.01µF	50	5%							
581-06035C103K	06035C103KAT2A	X7R	.01µF	50	10%							
581-06031C103K	06031C103KAT2A	X7R	.01µF	100	10%							
581-06033C223J	06033C223JAT2A	X7R	.022µF	25	5%							
581-06033C223K	06033C223KAT2A	X7R	.022µF	25	10%							
581-06035C223K	06035C223KAT2A	X7R	.022µF	50	10%							
581-06033C273J	06033C273JAT2A	X7R	.027µF	25	5%							
581-06033C273K	06033C273KAT2A	X7R	.027µF	25	10%							
581-06035C333J	06035C333JAT2A	X7R	.033µF	50	5%							
581-0603YC473K	0603YC473KAT2A	X7R	.047µF	16	10%							
581-06033C473J	06033C473JAT2A	X7R	.047µF	25	5%							
581-06033C473K	06033C473KAT2A	X7R	.047µF	25	10%							
581-0603YC683K	0603YC683KAT2A	X7R	.068µF	16	10%							
581-06033E103Z	06033E103ZAT2A	Z5U	.01µF	25	80,±20							

Style 0805 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each				Reel Qty.	Price Per Piece	
						1	100	1000	4000			
581-08051A390J	08051A390JAT2A	COG	39	100	5%							4000
581-08055A430J	08055A430JAT2A	COG	43	50	5%							4000
581-08055A470J	08055A470JAT2A	COG	47	50	5%							4000
581-08051A470J	08051A470JAT2A	COG	47	100	5%							4000
581-08051A510J	08051A510JAT2A	COG	51	100	5%							4000
581-08055A560J	08055A560JAT2A	COG	56	50	5%							4000
581-08051A560J	08051A560JAT2A	COG	56	100	5%							4000
581-08055A680J	08055A680JAT2A	COG	68	50	5%							4000
581-08051A750J	08051A750JAT2A	COG	75	100	5%							4000
581-08055A820J	08055A820JAT2A	COG	82	50	5%							4000
581-08055A820K	08055A820KAT2A	COG	82	50	10%							4000
581-08055A101J	08055A101JAT2A	COG	100	50	5%							4000
581-08055A101K	08055A101KAT2A	COG	100	50	10%							4000
581-08051A101J	08051A101JAT2A	COG	100	100	5%							4000
581-08051A101K	08051A101KAT2A	COG	100	100	10%							4000
581-08052A101J	08052A101JAT2A	COG	100	200	5%							4000
581-08055A121J	08055A121JAT2A	COG	120	50	5%							4000
581-08055A121K	08055A121KAT2A	COG	120	50	10%							4000
581-08051A121J	08051A121JAT2A	COG	120	100	5%							4000
581-08055A151J	08055A151JAT2A	COG	150	50	5%							4000
581-08051A151J	08051A151JAT2A	COG	150	100	5%							4000
581-08055A201J	08055A201JAT2A	COG	200	50	5%							4000
581-08055A221J	08055A221JAT2A	COG	220	50	5%							4000
581-08051A221J	08051A221JAT2A	COG	220	100	5%							4000
581-08051A221K	08051A221KAT2A	COG	220	100	10%							4000
581-08052A221K	08052A221KAT2A	COG	220	200	10%							4000
581-08051A271J	08051A271JAT2A	COG	270	100	5%							4000
581-08051A301J	08051A301JAT2A	COG	300	100	5%							4000
581-08055A331J	08055A331JAT2A	COG	330	50	5%							4000
581-08055A331K	08055A331KAT2A	COG	330	50	10%							4000
581-08051A391J	08051A391JAT2A	COG	390	100	5%							4000
581-08055A471J	08055A471JAT2A	COG	470	50	5%							4000
581-08055A471K	08055A471KAT2A	COG	470	50	10%							4000
581-08051A471J	08051A471JAT2A	COG	470	100	5%							4000
581-08055A561J	08055A561JAT2A	COG	560	50	5%							4000
581-08055A681J	08055A681JAT2A	COG	680	50	5%							4000
581-08055A102J	08055A102JAT2A	COG	1000	50	5%							4000
581-08055A102K	08055A102KAT2A	COG	1000	50	10%							4000
581-08051A102J	08051A102JAT2A	COG	1000	100	5%							4000
581-08055A122J	08055A122JAT2A	COG	1200	50	5%							4000
581-08053A152J	08053A152JAT2A	COG	1500	25	5%							4000
581-08055A152J	08055A152JAT2A	COG	1500	50	5%							4000
581-08055A182J	08055A182JAT2A	COG	1800	50	5%							4000
581-08053A222J	08053A222JAT2A	COG	2200	25	5%							4000
581-08055A222J	08055A222JAT2A	COG	2200	50	5%							2000
581-08055A222K	08055A222KAT2A	COG	2200	50	10%							2000
581-08053A332J	08053A332JAT2A	COG	3300	25	5%							2000
581-08051C101K	08051C101KAT2A	X7R	100	100	10%							4000
581-08052C101K	08052C101KAT2A	X7R	100	200	10%							4000
581-08055C105KAT2A	08055C105KAT2A	X7R	1µF	50	10%							3000
581-08055C151K	08055C151KAT2A	X7R	150	50	10%							4000
581-08055C221K	08055C221KAT2A	X7R	220	50	10%							4000
581-08055C471J	08055C471JAT2A	X7R	470	50	5%							4000
581-08055C471K	08055C471KAT2A	X7R	470	50	10%							4000
581-08055C102K	08055C102KAT2A	X7R	1000	50	10%							4000
581-08051C102J	08051C102JAT2A	X7R	1000	100	5%							4000
581-08051C102K	08051C102KAT2A	X7R	1000	100	10%							4000
581-08052C102K	08052C102KAT2A	X7R	1000	200	10%							4000
581-08												

AVX 0805, 1206, 1210 - Multilayer Ceramic Chip Capacitors

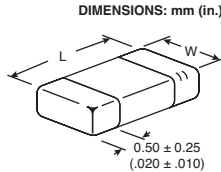


Application Note:

A higher voltage capacitor may be used in a lower voltage application. Also available in various voltages, tolerances, sizes, and temperature coefficients.

Features:

- Temperature coefficient: COG (NP0) -55°C to +125°C
X7R -55°C to +125°C
X5R -55°C to +85°C
Y5V -30°C to +85°C
- Preferred tolerances: ±5%, 10%, 20%



Case Size	DIMENSIONS: mm (in.)	
	L Length	W Width
0805	2.01 ± 0.20 (.079 ± .008)	1.25 ± 0.20 (.049 ± .008)
1206	3.20 ± 0.20 (.126 ± .008)	1.60 ± 0.20 (.063 ± .008)
1210	3.20 ± 0.20 (.126 ± .008)	2.50 ± 0.20 (.098 ± .008)

Style 0805 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty	Price Per Piece
						1	100	1000		
581-08051C223K	08051C223KAT2A	X7R	.022µF	100	10%				4000	
581-08052C223K	08052C223KAT2A	X7R	.022µF	200	10%				2000	
581-08053C333K	08053C333KAT2A	X7R	.033µF	50	10%				4000	
581-08055C393J	08055C393JAT2A	X7R	.039µF	50	5%				4000	
581-08055C393K	08055C393KAT2A	X7R	.039µF	50	10%				4000	
581-08053C473J	08053C473JAT2A	X7R	.047µF	25	5%				4000	
581-08053C473K	08053C473KAT2A	X7R	.047µF	25	10%				4000	
581-08055C473J	08055C473JAT2A	X7R	.047µF	50	5%				4000	
581-08055C473K	08055C473KAT2A	X7R	.047µF	50	10%				4000	
581-08055C683K	08055C683KAT2A	X7R	.068µF	50	10%				4000	
581-08055E103M	08055E103MAT2A	Z5U	.01µF	50	20%				4000	

Style 1206 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty	Price Per Piece
						1	100	1000		
581-12065A4R7C	12065A4R7CAT2A	COG	4.7	50	25pF				4000	
581-12065A5R6D	12065A5R6DAT2A	COG	5.6	50	.5pF				4000	
581-12065A100J	12065A100JAT2A	COG	10	50	5%				4000	
581-12061A100J	12061A100JAT2A	COG	10	100	5%				4000	
581-12065A150J	12065A150JAT2A	COG	15	50	5%				4000	
581-12061A180J	12061A180JAT2A	COG	18	100	5%				4000	
581-12061A220J	12061A220JAT2A	COG	22	100	5%				4000	
581-12062A220J	12062A220JAT2A	COG	22	200	5%				4000	
581-12061A270J	12061A270JAT2A	COG	27	100	5%				4000	
581-12065A330J	12065A330JAT2A	COG	33	50	5%				4000	
581-12061A330J	12061A330JAT2A	COG	33	100	5%				4000	
581-12061A330K	12061A330KAT2A	COG	33	100	10%				4000	
581-12065A470J	12065A470JAT2A	COG	47	50	5%				4000	
581-12061A470J	12061A470JAT2A	COG	47	100	5%				4000	
581-12065A560J	12065A560JAT2A	COG	56	50	5%				4000	
581-12065A680J	12065A680JAT2A	COG	68	50	5%				4000	
581-12065A101J	12065A101JAT2A	COG	100	50	5%				4000	
581-12061A101J	12061A101JAT2A	COG	100	100	5%				4000	
581-12061A101K	12061A101KAT2A	COG	100	100	10%				4000	
581-12062A101J	12062A101JAT2A	COG	100	200	5%				4000	
581-12067A101J	12067A101JAT2A	COG	100	500	5%				4000	
581-12065A121J	12065A121JAT2A	COG	120	50	5%				4000	
581-12061A121J	12061A121JAT2A	COG	120	100	5%				4000	
581-12065A151J	12065A151JAT2A	COG	150	50	5%				4000	
581-12061A151J	12061A151JAT2A	COG	150	100	5%				4000	
581-12062A151J	12062A151JAT2A	COG	150	200	5%				4000	
581-12065A181J	12065A181JAT2A	COG	180	50	5%				4000	
581-12065A221J	12065A221JAT2A	COG	220	50	5%				4000	
581-12061A221K	12061A221KAT2A	COG	220	100	10%				4000	
581-12065A331J	12065A331JAT2A	COG	330	50	5%				4000	
581-12061A331J	12061A331JAT2A	COG	330	100	5%				4000	
581-12067A331J	12067A331JAT2A	COG	330	500	5%				2000	
581-12065A471J	12065A471JAT2A	COG	470	50	5%				4000	
581-12061A471J	12061A471JAT2A	COG	470	100	5%				4000	
581-12061A471K	12061A471KAT2A	COG	470	100	10%				4000	
581-12067A471J	12067A471JAT2A	COG	470	500	5%				2000	
581-12065A681J	12065A681JAT2A	COG	680	50	5%				4000	
581-12061A681J	12061A681JAT2A	COG	680	100	5%				4000	
581-12065A102J	12065A102JAT2A	COG	1000	50	5%				4000	
581-12061A102J	12061A102JAT2A	COG	1000	100	5%				4000	
581-12062A102J	12062A102JAT2A	COG	1000	200	5%				2000	
581-12061A152J	12061A152JAT2A	COG	1500	100	5%				2000	
581-12065A272J	12065A272JAT2A	COG	2700	50	5%				2000	
581-12065A332J	12065A332JAT2A	COG	3300	50	5%				2000	
581-12065C102J	12065C102JAT2A	X7R	1000	50	5%				4000	
581-12065C102K	12065C102KAT2A	X7R	1000	50	10%				4000	
581-12061C102K	12061C102KAT2A	X7R	1000	100	10%				4000	
581-12061C152K	12061C152KAT2A	X7R	1500	100	10%				4000	
581-12067C152K	12067C152KAT2A	X7R	1500	500	10%				2000	
581-12065C222K	12065C222KAT2A	X7R	2200	50	10%				4000	
581-12061C222K	12061C222KAT2A	X7R	2200	100	10%				4000	
581-12061C332K	12061C332KAT2A	X7R	3300	100	10%				4000	
581-12065C472K	12065C472KAT2A	X7R	4700	50	10%				4000	
581-12061C472K	12061C472KAT2A	X7R	4700	100	10%				4000	
581-12067C472K	12067C472KAT2A	X7R	4700	500	10%				2000	
581-12065C103J	12065C103JAT2A	X7R	.01µF	50	5%				4000	
581-12065C103K	12065C103KAT2A	X7R	.01µF	50	10%				4000	
581-12061C103J	12061C103JAT2A	X7R	.01µF	100	5%				4000	
581-12061C103K	12061C103KAT2A	X7R	.01µF	100	10%				4000	
581-12062C103J	12062C103JAT2A	X7R	.01µF	200	5%				4000	
581-12062C103K	12062C103KAT2A	X7R	.01µF	200	10%				4000	
581-12067C103K	12067C103KAT2A	X7R	.01µF	500	10%				2000	
581-12065C223K	12065C223KAT2A	X7R	.022µF	50	10%				4000	
581-12061C223J	12061C223JAT2A	X7R	.022µF	100	5%				4000	
581-12061C223K	12061C223KAT2A	X7R	.022µF	100	10%				4000	

Style 1206

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty	Price Per Piece
						1	100	1000		
581-12065A4R7C	12065A4R7CAT2A	COG	4.7	50	.25pF				4000	
581-12065A5R6D	12065A5R6DAT2A	COG	5.6	50	.5pF				4000	
581-12065A100J	12065A100JAT2A	COG	10	50	5%				4000	
581-12061A100J	12061A100JAT2A	COG	10	100	5%				4000	
581-12065A150J	12065A150JAT2A	COG	15	50	5%				4000	
581-12061A180J	12061A180JAT2A	COG	18	100	5%				4000	
581-12061A220J	12061A220JAT2A	COG	22	100	5%				4000	
581-12062A220J	12062A220JAT2A	COG	22	200	5%				4000	
581-12061A270J	12061A270JAT2A	COG	27	100	5%				4000	
581-12065A330J	12065A330JAT2A	COG	33	50	5%				4000	
581-12061A330J	12061A330JAT2A	COG	33	100	5%				4000	
581-12061A330K	12061A330KAT2A	COG	33	100	10%				4000	
581-12065A470J	12065A470JAT2A	COG	47	50	5%				4000	
581-12061A470J	12061A470JAT2A	COG	47	100	5%				4000	
581-12065A560J	12065A560JAT2A	COG	56	50	5%				4000	
581-12065A680J	12065A680JAT2A	COG	68	50	5%				4000	
581-12065A101J	12065A101JAT2A	COG	100	50	5%				4000	
581-12061A101J	12061A101JAT2A	COG	100	100	5%				4000	
581-12061A101K	12061A101KAT2A	COG	100	100	10%				4000	
581-12062A101J	12062A101JAT2A	COG	100	200	5%				4000	
581-12067A101J	12067A101JAT2A	COG	100	500	5%				4000	
581-12065A121J	12065A121JAT2A	COG	120	50	5%				4000	
581-12061A121J	12061A121JAT2A	COG	120	100	5%				4000	
581-12065A151J	12065A151JAT2A	COG	150	50	5%				4000	
581-12061A151J	12061A151JAT2A	COG	150	100	5%				4000	
581-12062A151J	12062A151JAT2A	COG	150	200	5%				4000	
581-12065A181J	12065A181JAT2A	COG	180	50	5%				4000	
581-12065A221J	12065A221JAT2A	COG	220	50	5%				4000	
581-12061A221K	12061A221KAT2A	COG	220	100	10%				4000	
581-12065A331J	12065A331JAT2A	COG	330	50	5%				4000	
581-12061A331J	12061A331JAT2A	COG	330	100	5%				4000	
581-12067A331J	12067A331JAT2A	COG	330	500	5%				2000	
581-12065A471J	12065A471JAT2A	COG	470	50	5%				4000	
581-12061A471J	12061A471JAT2A	COG	470	100	5%				4000	
581-12061A471K	12061A471KAT2A	COG	470	100						

DIELECTRIC LABS High Q RF Microwave Capacitors



DLI is a specialist in tight tolerance, specialty high Q and high RF power Multi-Layer Capacitors (MLC). Our family of MLCs includes five highly stable ceramic material systems, an extensive combination of standard and non-magnetic finishes, leading and custom arams, RoHS compliant terminations, and highly reliable lead-bearing platings. DLI's MLCs are used around the world in a host of ground-based and space-based critical communications systems where high reliability and high Q are absolute requirements.



This product is RoHS compliant.

C06 CAPACITORS - 0603 CASE SIZE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Dielectric Lab. Part No.	Value (pF)	Volt.	Tol. (±)	Price Each		
					1	10	100
766-C06CF0R3B9ZNX1T	C06CF0R3B-9ZNX-1T	0.3	250	0.10pF			
766-C06CF0R9B9ZNX1T	C06CF0R9B-9ZNX-1T	0.9	250	0.10pF			
766-C06CF1R0B9ZNX1T	C06CF1R0B-9ZNX-1T	1	250	0.10pF			
766-C06CF1R2B9ZNX1T	C06CF1R2B-9ZNX-1T	1.2	250	0.10pF			
766-C06CF1R5B9ZNX1T	C06CF1R5B-9ZNX-1T	1.5	250	0.10pF			
766-C06CF2R0B9ZNX1T	C06CF2R0B-9ZNX-1T	2	250	0.10pF			
766-C06CF2R7B9ZNX1T	C06CF2R7B-9ZNX-1T	2.7	250	0.10pF			
766-C06CF3R3B9ZNX1T	C06CF3R3B-9ZNX-1T	3.3	250	0.10pF			
766-C06CF3R9B9ZNX1T	C06CF3R9B-9ZNX-1T	3.9	250	0.10pF			
766-C06CF4R7B9ZNX1T	C06CF4R7B-9ZNX-1T	4.7	250	0.10pF			
766-C06CF5R6B9ZNX1T	C06CF5R6B-9ZNX-1T	5.6	250	0.10pF			
766-C06CF6R8B9ZNX1T	C06CF6R8B-9ZNX-1T	6.8	250	0.10pF			
766-C06CF9R1B9ZNX1T	C06CF9R1B-9ZNX-1T	9.1	250	0.10pF			
766-C06CF120J9ZNX1T	C06CF120J-9ZNX-1T	12	250	5%			
766-C06CF300J9ZNX1T	C06CF300J-9ZNX-1T	30	250	5%			
766-C06CF330J9ZNX1T	C06CF330J-9ZNX-1T	33	250	5%			

Features:

- High Q
- Stable TC
- Low ESR
- High Self Resonance
- Low noise
- SMD Compatibility

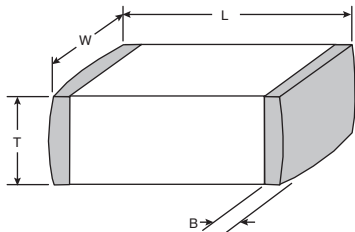
Specifications:

- Operating Range: -55°C to +125°C
- Dielectric Material: Ultradurable Porcelain
- Dielectric Withstanding Voltage: 250% of WVDC for 5 seconds
- Insulation Resistance (MΩ Min): +25°C: 10⁶
+125°C: 10⁵

Applications:

- DC Blocking
- Impedance Matching
- Bypass/Coupling
- Tuning & Feedback
- Amplifier Matching Networks
- High RF Power Circuits
- VCO Frequency Stabilization

Ceramic Caps, SMD Dielectric Laboratories



C11 CAPACITORS - 0505 CASE SIZE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Dielectric Lab. Part No.	Value (pF)	Volt.	Tol. (±)	Price Each		
					1	10	100
766-C11CF0R2B9ZNX1T	C11CF0R2B-9ZNX-1T	0.2	250	0.10pF			
766-C11CF0R3B9ZNX1T	C11CF0R3B-9ZNX-1T	0.3	250	0.10pF			
766-C11CF0R4B9ZNX1T	C11CF0R4B-9ZNX-1T	0.4	250	0.10pF			
766-C11CF0R5B9ZNX1T	C11CF0R5B-9ZNX-1T	0.5	250	0.10pF			
766-C11CF0R7B9ZNX1T	C11CF0R7B-9ZNX-1T	0.7	250	0.10pF			
766-C11CF0R9B9ZNX1T	C11CF0R9B-9ZNX-1T	0.9	250	0.10pF			
766-C11CF1R0B9ZNX1T	C11CF1R0B-9ZNX-1T	1	250	0.10pF			
766-C11CF1R2B9ZNX1T	C11CF1R2B-9ZNX-1T	1.2	250	0.10pF			
766-C11CF1R5B9ZNX1T	C11CF1R5B-9ZNX-1T	1.5	250	0.10pF			
766-C11CF2R0B9ZNX1T	C11CF2R0B-9ZNX-1T	2	250	0.10pF			
766-C11CF2R2B9ZNX1T	C11CF2R2B-9ZNX-1T	2.2	250	0.10pF			
766-C11CF2R7B9ZNX1T	C11CF2R7B-9ZNX-1T	2.7	250	0.10pF			
766-C11CF3R3B9ZNX1T	C11CF3R3B-9ZNX-1T	3.3	250	0.10pF			
766-C11CF3R9B9ZNX1T	C11CF3R9B-9ZNX-1T	3.9	250	0.10pF			
766-C11CF4R7B9ZNX1T	C11CF4R7B-9ZNX-1T	4.7	250	0.10pF			
766-C11CF5R6B9ZNX1T	C11CF5R6B-9ZNX-1T	5.6	250	0.10pF			
766-C11CF6R8B9ZNX1T	C11CF6R8B-9ZNX-1T	6.8	250	0.10pF			
766-C11CF8R2B9ZNX1T	C11CF8R2B-9ZNX-1T	8.2	250	0.10pF			
766-C11CF9R1B9ZNX1T	C11CF9R1B-9ZNX-1T	9.1	250	0.10pF			
766-C11CF100J9ZNX1T	C11CF100J-9ZNX-1T	10	250	5%			
766-C11CF110J9ZNX1T	C11CF110J-9ZNX-1T	11	250	5%			
766-C11CF270J9ZNX1T	C11CF270J-9ZNX-1T	27	250	5%			
766-C11CF330J9ZNX1T	C11CF330J-9ZNX-1T	33	200	5%			

C04, C06, & C08 BROADBAND BLOCKS - 0402, 0603, 0805 CASE SIZES

See table for dimensions.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Dielectric Lab. Part No.	Value (pF)	Volt.	Frequency Range	Price Each		
					1	10	100
766-C04BL121X5SNX0T	C04BL121X-5SN-X0T	120	50	5MHz-30GHz			
766-C06BL851X5UNX0T	C06BL851X-5UN-X0T	850	50	2MHz-30GHz			
766-C06BL851X5ZNX0T	C06BL851X-5ZN-X0T	850	50	2MHz-30GHz			
766-C08BL242X5SNX0T	C08BL242X-5SN-X0T	2400	50	1MHz-20GHz			
766-C08BL242X5ZNX0T	C08BL242X-5ZN-X0T	2400	50	1MHz-20GHz			

C17 CAPACITORS - 1111 CASE SIZE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Dielectric Lab. Part No.	Value (pF)	Volt.	Tol. (±)	Price Each		
					1	10	100
766-C17CF3R3B7ZNX1T	C17CF3R3B-7ZN-X1T	3.3	1000	0.10pF			
766-C17CF6R8B7ZNX1T	C17CF6R8B-7ZN-X1T	6.8	1000	0.10pF			
766-C17CF110J7ZNX1T	C17CF110J-7ZN-X1T	11	1000	5%			
766-C17CF120J7ZNX1T	C17CF120J-7ZN-X1T	12	1000	5%			
766-C17CF270J7ZNX1T	C17CF270J-7ZN-X1T	27	1000	5%			
766-C17CF300J7ZNX1T	C17CF300J-7ZN-X1T	30	1000	5%			
766-C17CF330J7ZNX1T	C17CF330J-7ZN-X1T	33	1000	5%			

C18 CAPACITORS - 1111 CASE SIZE EXTENDED VOLTAGE RANGE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Dielectric Lab. Part No.	Value (pF)	Volt.	Tol. (±)	Price Each		
					1	10	100
766-C18CF0R5BGZNX1T	C18CF0R5B-GZNX-1T	0.5	2000	0.1pF			
766-C18CF1R2BGZNX1T	C18CF1R2B-GZNX-1T	1.2	2000	0.1pF			
766-C18CF2R2BGZNX1T	C18CF2R2B-GZNX-1T	2.2	2000	0.1pF			
766-C18CF3R3BGZNX1T	C18CF3R3B-GZNX-1T	3.3	2000	0.1pF			
766-C18CF3R9BGZNX1T	C18CF3R9B-GZNX-1T	3.9	2000	0.1pF			
766-C18CF130JGZNX1T	C18CF130J-GZNX-1T	12	2000	5%			
766-C18CF160JGZNX1T	C18CF160J-GZNX-1T	16	2000	5%			
766-C18CF180JGZNX1T	C18CF180J-GZNX-1T	18	2000	5%			
766-C18CF390JGZNX1T	C18CF390J-GZNX-1T	39	2000	5%			
766-C18CF470JGZNX1T	C18CF470J-GZNX-1T	47	2000	5%			
766-C18CF510JGZNX1T	C18CF510J-GZNX-1T	51	2000	5%			
766-C18CF680JGZNX1T	C18CF680J-GZNX-1T	68	2000	5%			
766-C18CF560JGZNX1T	C18CF560J-GZNX-1T	561	2000	5%			

DIMENSIONS: in. (mm)				
Size	L Length	W Width	T Thickness	B
C04	0.040±0.004 (1.02±0.1)	0.020±0.004 (.51±0.1)	0.024 (0.61)	0.008±0.004 (0.2±0.01)
C11	0.055±0.015 (1.40±0.381-0.254)	0.055±0.015 (1.40±0.381)	0.050 (1.27)	0.005-0.020 (0.130-0.050)
C06	0.063±0.009 (1.6±0.23)	0.031±0.008 (0.80±0.20)	0.031 (0.80)	0.010±0.010-0.005 (0.254±0.254-0.127)
C08	0.080±0.012 (2.0±0.30)	0.050±0.008 (1.27±0.20)	0.051 (1.3)	0.005-0.03 (0.13-0.75)
C17/18	0.110±0.020-0.010 (2.79±0.51-0.25)	0.110±0.015 (2.79±0.381)	0.100 (2.54)	0.015±0.10 (0.381±0.254)

AC SAFETY CERTIFIED CERAMIC CHIP CAPACITORS - SC TYPE

Features:

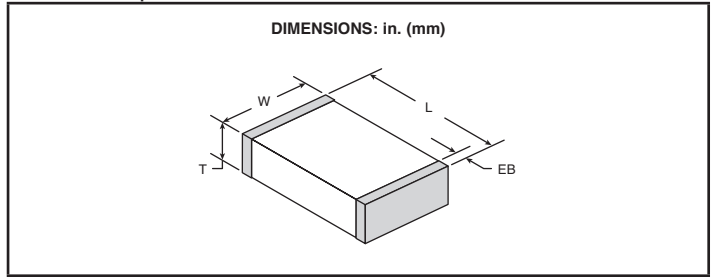
- Available in different case sizes
- NPO and X7R dielectric materials
- Surface mount ready

Applications:

- Computer networks
- Modem
- Facsimile

RoHS Compliant This page of product is RoHS compliant.

DIMENSIONS: in. (mm)				
Case	L	W	T max.	E/B
1808 (X2/Y3)	.185±.015 (4.80±.25)	.080±.010 (2.03±.25)	.085 (2.16)	.020±.010 (.51±.25)
1808 (X1/Y2)	.185±.015 (4.80±.25)	.080±.010 (2.03±.25)	.085 (2.16)	.012±.005 (.30±.13)
2211 (Y2)	.225±.016 (5.72±.40)	.110±.010 (2.80±.25)	.115 (2.92)	.020±.010 (.51±.25)



HIGH VOLTAGE SMD MULTILAYER CERAMIC CHIP CAPACITORS

Features:

- Special internal electrode design which reduces voltage concentrations by distributing voltage gradient throughout the entire capacitor.
- Affords increased capacitance values in a given case size and voltage rating.

Applications:

- Analog & Digital Modems
- Lighting Ballast Circuits
- DC-DC Converters
- LAN/WAN Interface
- Voltage Multipliers
- Back-lighting Inverters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johanson Part No.	Value (µF)	Volt (DC)	Dielectric	Tol.± %	Price Each			
						1	10	100	1000
1808 Case Size									
X2/Y3									
605-302R29N100JV3ESC	302R29N100JV3ESC	10	250	COG/NP0	5				
605-302R29N330JV3ESC	302R29N330JV3ESC	33	250	COG/NP0	5				
605-302R29N101JV3ESC	302R29N101JV3ESC	100	250	COG/NP0	5				
605-302R29N101KV3ESC	302R29N101KV3ESC	100	250	COG/NP0	10				
605-302R29N151JV3ESC	302R29N151JV3ESC	150	250	COG/NP0	5				
605-302R29N221JV3ESC	302R29N221JV3ESC	220	250	COG/NP0	5				
605-302R29W471KV3ESC	302R29W471KV3ESC	470	250	X7R	10				
605-302R29W681KV3ESC	302R29W681KV3ESC	680	250	X7R	10				
605-302R29W152KV3ESC	302R29W152KV3ESC	1500	250	X7R	10				
605-302R29W102KV3ESC	302R29W102KV3ESC	1000	250	X7R	10				
X1/Y2									
605-502R29N100KV3ESC	502R29N100KV3ESC	10	250	COG/NP0	10				
605-502R29N180JV3ESC	502R29N180JV3ESC	18	250	COG/NP0	5				
605-502R29N330JV3ESC	502R29N330JV3ESC	33	250	COG/NP0	5				
605-502R29N151JF3ESC	502R29N151JF3ESC	150	250	COG/NP0	5				
605-502R29W221KV3ESC	502R29W221KV3ESC	220	250	X7R	10				
605-502R29W331KV3ESC	502R29W331KV3ESC	330	250	X7R	10				
605-502R29W681KV3ESC	502R29W681KV3ESC	680	250	X7R	10				
605-502R29W102KV3ESC	502R29W102KV3ESC	1000	250	X7R	10				
2211 Case Size									
Y2									
605-502R30N100JV3ESC	502R30N100JV3ESC	10	250	COG/NP0	5				
605-502R30W102MV3ESC	502R30W102MV3ESC	1000	250	X7R	20				
605-502R30W222KV3ESC	502R30W222KV3ESC	2200	250	X7R	10				

DIMENSIONS: in. (mm)				
Case	L	W	T max.	E/B
0805	.080±.010 (2.03±.25)	.050±.010 (1.27±.25)	.055 (1.40)	.020±.010 (.51±.25)
1206	.125±.010 (3.17±.25)	.062±.010 (1.57±.25)	.067 (1.70)	.020±.010 (.51±.25)
1210	.125±.010 (3.18±.25)	.095±.010 (2.41±.25)	.080 (2.03)	.020±.010 (.51±.25)
1808	.185±.015 (4.80±.25)	.080±.010 (2.03±.25)	.085 (2.16)	.020±.010 (.51±.25)
1812	.180±.010 (4.57±.25)	.125±.010 (3.17±.25)	.110 (2.80)	.025±.015 (.64±.38)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johanson Part No.	Value (µF)	Volt (DC)	Dielectric	Tol.± %	Price Each			
						1	10	100	1000
0805 Case Size									
605-102R15N330KV4E	102R15N330KV4E	33	1000	COG/NP0	10				
605-102R15W102KV4E	102R15W102KV4E	1000	1000	X7R	10				
1206 Case Size									
605-202R18N220KV4E	202R18N220KV4E	22	2000	COG/NP0	10				
605-202R18N470JV4E	202R18N470JV4E	47	2000	COG/NP0	5				
605-501R18N101KV4E	501R18N101KV4E	100	500	COG/NP0	10				
605-102R18N101JV4E	102R18N101JV4E	100	1000	COG/NP0	5				
605-102R18W101KV4E	102R18W101KV4E	100	1000	X7R	10				
605-102R18N151JV4E	102R18N151JV4E	150	1000	COG/NP0	5				
605-202R18N151JV4E	202R18N151JV4E	150	2000	COG/NP0	5				
605-202R18N221JV4E	202R18N221JV4E	220	2000	COG/NP0	5				
605-202R18W471KV4E	202R18W471KV4E	470	2000	X7R	10				
605-102R18W511KV4E	102R18W511KV4E	510	1000	X7R	10				
605-501R18N102JV4E	501R18N102JV4E	1000	500	COG/NP0	5				
605-501R18W102KV4E	501R18W102KV4E	1000	500	X7R	10				
605-501R18W102MV4E	501R18W102MV4E	1000	500	X7R	20				
605-102R18W102KV4E	102R18W102KV4E	1000	1000	X7R	10				
605-202R18W102MV4E	202R18W102MV4E	1000	2000	X7R	20				
605-102R18W222KV4E	102R18W222KV4E	2200	1000	X7R	10				
605-102R18W222MV4E	102R18W222MV4E	2200	1000	X7R	20				
605-631R18W472KV4E	631R18W472KV4E	4700	630	X7R	10				
605-102R18W472KV4E	102R18W472KV4E	4700	1000	X7R	10				
605-501R18W103KV4E	501R18W103KV4E	0.01	500	X7R	10				
605-631R18W103KV4E	631R18W103KV4E	0.01	630	X7R	10				
1210 Case Size									
605-202S41N331JV4E	202S41N331JV4E	330	2000	COG/NP0	5				
605-501S41N102JV4E	501S41N102JV4E	1000	500	COG/NP0	5				
605-202S41W272KV4E	202S41W272KV4E	2700	2000	X7R	10				
605-202S41W332KV4E	202S41W332KV4E	3300	2000	X7R	10				
605-102S41W562KV4E	102S41W562KV4E	5600	1000	X7R	10				
605-102S41W103KV4E	102S41W103KV4E	0.01	1000	X7R	10				
605-102S41W103MV4E	102S41W103MV4E	0.01	1000	X7R	20				
605-501S41W333KV4E	501S41W333KV4E	0.033	500	X7R	10				
1808 Case Size									
605-302R29N150JV4E	302R29N150JV4E	15	3000	COG/NP0	5				
605-102R29W102KV4E	102R29W102KV4E	1000	1000	X7R	10				
605-202R29W102KV4E	202R29W102KV4E	1000	2000	X7R	10				
605-302R29W102KV4E	302R29W102KV4E	1000	3000	X7R	10				
605-202R29W222KV4E	202R29W222KV4E	2200	2000	X7R	10				
605-102R29W183KV4E	102R29W183KV4E	0.018	1000	X7R	10				
1812 Case Size									
605-302S43N221KV4E	302S43N221KV4E	220	3000	COG/NP0	10				
605-202S43W102KV4E	202S43W102KV4E	1000	2000	X7R	10				
605-302S43W102KV4E	302S43W102KV4E	1000	3000	X7R	10				
605-202S43W332KV4E	202S43W332KV4E	3300	2000	X7R	10				
605-202S43W472KV4E	202S43W472KV4E	4700	2000	X7R	10				
605-202S43W682KV4E	202S43W682KV4E	6800	2000	X7R	10				
605-202S43W103KV4E	202S43W103KV4E	0.01	2000	X7R	10				
605-501S43W153KF4E	501S43W153KF4E	0.015	500	X7R	10				
605-102S43W473KV4E	102S43W473KV4E	0.047	1000	X7R	10				
605-102S43W473MV4E	102S43W473MV4E	0.047	1000	X7R	20				

TANCERAM® CHIP CAPACITORS

Features:

- Low ESR
- Higher Surge Voltage
- Reduced CHIP Size
- Higher Insulation Resistance
- Low DC Leakage
- Non-polarized Dielectrics
- Improved Reliability
- Higher Ripple Current

Applications:

- Switching Power Supply Smoothing (Input/Output)
- DC/DC Converter Smoothing (Input/Output)
- Backlighting Inverters
- General Digital Circuits

DIMENSIONS: in. (mm)				
Case	L	W	T max.	E/B
0402	.080±.010 (2.03±.25)	.050±.010 (1.27±.25)	.055 (1.40)	.020±.010 (.51±.25)
0603	.125±.010 (3.17±.25)	.062±.010 (1.57±.25)	.067 (1.70)	.020±.010 (.51±.25)
0805	.125±.010 (3.18±.25)	.095±.010 (2.41±.25)	.080 (2.03)	.020±.010 (.51±.25)
1206	.185±.015 (4.80±.25)	.080±.010 (2.03±.25)	.085 (2.16)	.020±.010 (.51±.25)
1210	.180±.010 (4.57±.25)	.125±.010 (3.17±.25)	.110 (2.80)	.025±.015 (.64±.38)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johanson Part No.	Value (µF)	Volt (DC)	Dielectric	Tol.± %	Price Each			
						1	10	100	1000
0402 Case Size									
605-6R3R07Y105ZV4T	6R3R07Y105ZV4T	1	6.3	Y5V	80/20				
605-100R07X105KV4T	100R07X105KV4T	1	10	X5R	10				
0603 Case Size									
605-250R14X474KV4T	250R14X474KV4T	0.47	25	X5R	10				
605-250R14Y104ZV4T	250R14Y104ZV4T	0.1	25	Y5V	80/20				
605-250R14X105KV4T	250R14X105KV4T	1	25	X5R	10				
605-6R3R14W225KV4T	6R3R14W225KV4T	2.2	6.3	X7R	10				
605-100R14X225KV4T	100R14X225KV4T	2.2	10	X5R	10				
0805 Case Size									
605-100R15X106KV4E	100R15X106KV4E	10	10	X5R	10				
605-160R15X106KV4E	160R15X106KV4E	10	16	X5R	10				
605-6R3R15X226KV4E	6R3R15X226KV4E	22	6.3	X5R	10				
605-6R3R15X476MV4E	6R3R15X476MV4E	47	6.3	X5R	20				
1206 Case Size									
605-100R18W475KV4E	100R18W475KV4E	4.7	10	X7R	10				
1210 Case Size									
605-160S41X226KV4E	160S41X226KV4E	2							

JOHANSON DIELECTRICS Multilayer Ceramic Capacitors

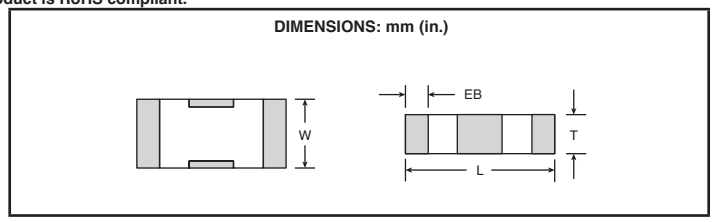


RoHS Compliant This page of product is RoHS compliant.

X2Y® FILTER & DECOUPLING CAPACITORS

- Features:**
- One device for EMI suppression or decoupling
 - Replace up to 7 components with one X2Y
 - Differential and common mode attenuation
 - Matched capacitance line to ground, both lines
 - Low inductance due to cancellation effect

- Applications:**
- Amplifier Filter & Decoupling
 - High Speed Data Filtering
 - EMC I/O Filtering
 - FPGA / ASIC / μ -P Decoupling
 - DDR Memory Decoupling



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johanson Part No.	Value (μ F)	Volt (DC)	Dielectric	Tol. %	Price Each			
						1	10	100	1000
0402 Case Size									
605-500X07N1R8DV4T	500X07N1R8DV4T	1.8	50	COG/NP0	-				
605-500X07N5R6DV4T	500X07N5R6DV4T	5.6	50	COG/NP0	-				
605-500X07N100MV4T	500X07N100MV4T	10	50	COG/NP0	20				
605-500X07N220MV4T	500X07N220MV4T	22	50	COG/NP0	20				
605-500X07N470MV4T	500X07N470MV4T	47	50	COG/NP0	20				
605-500X07N101MV4T	500X07N101MV4T	100	50	COG/NP0	20				
605-500X07W221MV4T	500X07W221MV4T	220	50	X7R	20				
605-500X07W471MV4T	500X07W471MV4T	470	50	X7R	20				
605-500X07W102MV4T	500X07W102MV4T	1000	50	X7R	20				
605-500X07W152MV4T	500X07W152MV4T	1500	50	X7R	20				
605-500X07W222MV4T	500X07W222MV4T	2200	50	X7R	20				
605-500X07W472MV4T	500X07W472MV4T	4700	50	X7R	20				
605-160X07W103MV4T	160X07W103MV4T	0.70	16	X7R	20				
0603 Case Size									
605-101X14N1R0DV4T	101X14N1R0DV4T	1	100	COG/NP0	-				
605-500X14N5R6DV4T	500X14N5R6DV4T	5.6	50	COG/NP0	-				
605-101X14N5R6DV4T	101X14N5R6DV4T	5.6	100	COG/NP0	-				
605-500X14N100MV4T	500X14N100MV4T	10	50	COG/NP0	20				
605-101X14N100MV4T	101X14N100MV4T	10	100	COG/NP0	20				
605-500X14N220MV4T	500X14N220MV4T	22	50	COG/NP0	20				
605-101X14N220MV4T	101X14N220MV4T	22	100	COG/NP0	20				
605-101X14N330MV4T	101X14N330MV4T	33	100	COG/NP0	20				
605-500X14N270MV4T	500X14N270MV4T	27	50	COG/NP0	20				
605-500X14N470MV4T	500X14N470MV4T	47	50	COG/NP0	20				
605-101X14N470MV4T	101X14N470MV4T	47	100	COG/NP0	20				
605-500X14N101MV4T	500X14N101MV4T	100	50	COG/NP0	20				
605-500X14W101MV4T	500X14W101MV4T	100	50	X7R	20				
605-500X14N221MV4T	500X14N221MV4T	220	50	COG/NP0	20				
605-500X14W221MV4T	500X14W221MV4T	220	50	X7R	20				
605-101X14W221MV4T	101X14W221MV4T	220	100	X7R	20				
605-500X14W471MV4T	500X14W471MV4T	470	50	X7R	20				
605-101X14W471MV4T	101X14W471MV4T	470	100	X7R	20				
605-500X14W102MV4T	500X14W102MV4T	1000	50	X7R	20				
605-101X14W102MV4T	101X14W102MV4T	1000	100	X7R	20				
605-500X14W152MV4T	500X14W152MV4T	1500	50	X7R	20				
605-101X14W152MV4T	101X14W152MV4T	1500	100	X7R	20				
605-500X14W222MV4T	500X14W222MV4T	2200	50	X7R	20				
605-101X14W222MV4T	101X14W222MV4T	2200	100	X7R	20				
605-500X14W472MV4T	500X14W472MV4T	4700	50	X7R	20				
605-101X14W472MV4T	101X14W472MV4T	4700	100	X7R	20				
605-250X14W223MV4T	250X14W223MV4T	0.022	25	X7R	20				
605-160X14W473MV4T	160X14W473MV4T	0.047	16	X7R	20				
605-500X14W103MV4T	500X14W103MV4T	0.01	50	X7R	20				
605-6R3X14W104MV4T	6R3X14W104MV4T	0.1	6.3	X7R	20				
605-100X14W104MV4T	100X14W104MV4T	0.1	10	X7R	20				
605-6R3X14W224MV4T	6R3X14W224MV4T	0.22	6.3	X7R	20				
605-160X14X224MV4T	160X14X224MV4T	0.22	16	X5R	20				
605-100X14X334MV4T	100X14X334MV4T	0.33	10	X5R	20				
605-100X14X474MV4T	100X14X474MV4T	0.47	10	X5R	20				
605-100X14X105MV4T	100X14X105MV4T	1	10	X5R	20				

Case	L	W	T	E/B
0402	.045 \pm .003 (1.143 \pm .076)	.025 \pm .003 (.635 \pm .076)	.020max (.508)	.008 \pm .003 (.203 \pm .076)
0603	.064 \pm .005 (1.626 \pm .127)	.035 \pm .005 (.889 \pm .127)	.026max (.660)	.010 \pm .006 (.254 \pm .152)
0805	.080 \pm .008 (2.032 \pm .203)	.050 \pm .008 (1.27 \pm .203)	.040max (1.016)	.012 \pm .008 (.305 \pm .203)
1206	.124 \pm .010 (3.150 \pm .254)	.063 \pm .010 (1.60 \pm .254)	.050max (1.27)	.016 \pm .010 (.406 \pm .254)
1210	.125 \pm .010 (3.175 \pm .254)	.098 \pm .010 (2.489 \pm .254)	.070max (7.778)	.018 \pm .010 (.457 \pm .254)
1410	.140 \pm .010 (3.556 \pm .254)	.098 \pm .010 (2.490 \pm .254)	.070max (1.778)	.018 \pm .010 (.457 \pm .254)
1812	.174 \pm .010 (4.420 \pm .254)	.125 \pm .010 (3.175 \pm .254)	.090max (2.286)	.022 \pm .012 (.559 \pm .305)

X2Y® FILTER & DECOUPLING CAPACITORS (CONT.)

* Tolerance: \pm 20% For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johanson Part No.	Value (μ F)	Volt (DC)	Dielectric	Price Each			
					1	10	100	1000
0805 Case Size								
605-101X15N100MV4E	101X15N100MV4E	10	100	COG/NP0				
605-101X15N220MV4E	101X15N220MV4E	22	100	COG/NP0				
605-500X15W102MV4E	500X15W102MV4E	1000	50	X7R				
605-101X15W102MV4E	101X15W102MV4E	1000	100	X7R				
605-101X15W222MV4E	101X15W222MV4E	2200	100	X7R				
605-101X15W472MV4E	101X15W472MV4E	4700	100	X7R				
605-500X15W153MV4E	500X15W153MV4E	0.015	50	X7R				
605-500X15W223MV4E	500X15W223MV4E	0.022	50	X7R				
605-500X15W473MV4E	500X15W473MV4E	0.047	50	X7R				
605-500X15W103MV4E	500X15W103MV4E	0.01	50	X7R				
605-101X15W103MV4E	101X15W103MV4E	0.01	100	X7R				
605-250X15W104MV4E	250X15W104MV4E	0.1	25	X7R				
605-100X15W184MV4E	100X15W184MV4E	0.18	10	X7R				
1206 Case Size								
605-500X18N102MV4E	500X18N102MV4E	1000	50	COG/NP0				
605-101X18N102MV4E	101X18N102MV4E	1000	100	COG/NP0				
605-101X18W223MV4E	101X18W223MV4E	0.022	100	X7R				
605-101X18W473MV4E	101X18W473MV4E	0.047	100	X7R				
605-100X18W474MV4E	100X18W474MV4E	0.47	10	X7R				
605-101X18W103MV4E	101X18W103MV4E	0.01	100	X7R				
605-101X18W104MV4E	101X18W104MV4E	0.1	100	X7R				
605-500X18W104MV4E	500X18W104MV4E	0.1	50	X7R				
605-160X18W224MV4E	160X18W224MV4E	0.22	16	X7R				
1210 Case Size								
605-501X41W103MV4E	501X41W103MV4E	0.01	500	X7R				
605-101X41W104MV4E	101X41W104MV4E	0.1	100	X7R				
605-101X41W224MV4E	101X41W224MV4E	0.22	100	X7R				
605-101X41W334MV4E	101X41W334MV4E	0.33	100	X7R				
605-160X41W105MV4E	160X41W105MV4E	1	16	X7R				
1410 Case Size								
605-501X44W153MF4E	501X44W153MF4E	0.015	500	X7R				
605-500X44W404MF4E	500X44W404MF4E	0.4	50	X7R				
605-101X44W404MF4E	101X44W404MF4E	0.4	100	X7R				
605-101X44W404MF4E	101X44W404MF4E	0.4	100	X7R				
1812 Case Size								
605-501X43W393MF4E	501X43W393MF4E	0.039	500	X7R				
605-101X43W474MF4E	101X43W474MF4E	0.47	100	X7R				
605-101X43W474MF4E	101X43W474MF4E	0.47	100	X7R				
605-500X43W474MF4E	500X43W474MF4E	0.47	50	X7R				

CERAMIC CAPACITOR ENGINEERING DESIGN KITS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Case Size	Volt (VDC)	Dielectric	Value Range	Quantity Per Value	Price Each	
						1	10
605-S-0402	0402	50-6.3	COG/NP0, X7R, Y5V	1pF-0.22uF	1400 pieces for each 50 values		
605-S-0603	0603	50-16	COG/NP0, X7R, Y5V	10pF-0.22uF	1400 pieces for each 50 values		
605-S-0805	0805	100-16	COG/NP0, X7R	10pF-0.47uF	1400 pieces for each 50 values		
605-S-TAN-XR5	0402, 0603, 0805, 1206, 1210	25-6.3	X5R	1uF-100uF	500 pieces for each 10-25 values		
605-S-500	0805-1812	500	COG/NP0, X7R	33pF-0.1uF	400 pieces for each 10-20 values		
605-S-1KV	0805-2225	1000	COG/NP0, X7R	22pF-0.1uF	400 pieces for each 10-20 values		
605-S-2KV	1206-2225	2000	COG/NP0, X7R	22pF-0.022uF	300 pieces for each 10-20 values		
605-S-SY3	1808	3KVDC-250AC	COG/NP0, X7R	10pF-1500pF	240 pieces for each 20 values		
605-S-SY2	1808-2220	5KVDC-250AC	COG/NP0, X7R	1pF-2200pF	200 pieces for each 20 values		
605-S-X07CBK	0402	10-50	COG/NP0, X7R	1pF-0.01uF	600 pieces for each 50 values		
605-S-X14CBK	0603	50-100	COG/NP0, X7R	1pF-0.01uF	700 pieces for each 50 values		
605-S-X15-EMI	0805	50-100	COG/NP0, X7R	1pF-0.01uF	300 pieces for each 20 values		
605-S-X2Y-MTR	1206-1812	100	X7R	0.10uF-0.47uF	300 pieces for each 30 values		

MULTI-LAYER HIGH Q CAPACITORS

Features:

- L Series: R05L series
Mid-high Q performance
NPO temperature characteristics
- S Series: R03S, R07S, R14S, R15S series
Ultra-high Q performance
NPO temperature characteristics

Applications:

- High-Q
- Microwave

Size	Units	Length	Width	Thickness	End Band
EIA 0201	in.	.024±.001	.012±.001	.012±.001	.008 Max.
Metric (0603)	mm	(0.60±0.03)	(0.30±0.03)	(0.30±0.03)	(0.20 Max.)
EIA 0402	in.	.040±.004	.020±.004	.020±.004	.010±.006
Metric (1005)	mm	(1.02±0.1)	(0.51±0.1)	(0.51±0.1)	(0.25±.15)
EIA 0603	in.	.062±.006	.032±.006	.030+.005-.003	.014±.006
Metric (1608)	mm	(1.57±0.15)	(0.81±0.15)	(0.76+.13-.08)	(0.35±.15)



L Series - High Q NPO

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johanson Technology Part No.	Value (pF)	Voltage (DC)	Dielectric	Tolerance ±	Price Each			
						1	10	100	1000
0201 Case Size									
609-250R05L1R0BV4T	250R05L1R0BV4T	1	25	L	0.10pF				
609-250R05L1R2BV4T	250R05L1R2BV4T	1.2	25	L	0.10pF				
609-250R05L1R5BV4T	250R05L1R5BV4T	1.5	25	L	0.10pF				
609-250R05L1R8BV4T	250R05L1R8BV4T	1.8	25	L	0.10pF				
609-250R05L3R6CV4T	250R05L3R6CV4T	3.6	25	L	0.25pF				

S Series - Ultra High Q NPO

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johanson Technology Part No.	Value (pF)	Voltage (DC)	Dielectric	Tolerance ±	Price Each			
						1	10	100	1000
0402 Case Code									
609-500R07S0R3BV4T	500R07S0R3BV4T	0.3	50	S	0.10pF				
609-500R07S0R4AV4T	500R07S0R4AV4T	0.4	50	S	0.05pF				
609-500R07S0R4BV4T	500R07S0R4BV4T	0.4	50	S	0.10pF				
609-500R07S0R5AV4T	500R07S0R5AV4T	0.5	50	S	0.05pF				
609-500R07S0R5BV4T	500R07S0R5BV4T	0.5	50	S	0.10pF				
609-500R07S0R7BV4T	500R07S0R7BV4T	0.7	50	S	0.10pF				
609-500R07S0R8BV4T	500R07S0R8BV4T	0.8	50	S	0.10pF				
609-500R07S0R9BV4T	500R07S0R9BV4T	0.9	50	S	0.10pF				
609-500R07S1R0BV4T	500R07S1R0BV4T	1.0	50	S	0.10pF				
609-500R07S1R2AV4T	500R07S1R2AV4T	1.2	50	S	0.05pF				
609-500R07S1R2BV4T	500R07S1R2BV4T	1.2	50	S	0.10pF				
609-500R07S1R3BV4T	500R07S1R3BV4T	1.3	50	S	0.10pF				
609-500R07S1R5AV4T	500R07S1R5AV4T	1.5	50	S	0.05pF				
609-500R07S1R5BV4T	500R07S1R5BV4T	1.5	50	S	0.10pF				
609-500R07S1R8BV4T	500R07S1R8BV4T	1.8	50	S	0.10pF				
609-500R07S2R0BV4T	500R07S2R0BV4T	2.0	50	S	0.10pF				
609-500R07S2R2BV4T	500R07S2R2BV4T	2.2	50	S	0.10pF				
609-500R07S2R4BV4T	500R07S2R4BV4T	2.4	50	S	0.10pF				
609-500R07S2R7BV4T	500R07S2R7BV4T	2.7	50	S	0.10pF				
609-500R07S3R0BV4T	500R07S3R0BV4T	3.0	50	S	0.10pF				
609-500R07S3R3BV4T	500R07S3R3BV4T	3.3	50	S	0.10pF				
609-500R07S3R9BV4T	500R07S3R9BV4T	3.9	50	S	0.10pF				
609-500R07S4R7BV4T	500R07S4R7BV4T	4.7	50	S	0.10pF				
609-500R07S5R6BV4T	500R07S5R6BV4T	5.6	50	S	0.10pF				
609-500R07S5R6CV4T	500R07S5R6CV4T	5.6	50	S	0.25pF				
609-500R07S6R8CV4T	500R07S6R8CV4T	6.8	50	S	0.25pF				
609-500R07S8R2CV4T	500R07S8R2CV4T	8.2	50	S	0.25pF				
609-500R07S100FV4T	500R07S100FV4T	10	50	S	1%				
609-500R07S100GV4T	500R07S100GV4T	10	50	S	2%				
609-500R07S100JV4T	500R07S100JV4T	10	50	S	5%				
609-500R07S150FV4T	500R07S150FV4T	15	50	S	1%				
609-500R07S200GV4T	500R07S200GV4T	20	50	S	2%				
609-500R07S270JV4T	500R07S270JV4T	27	50	S	5%				
0603 Case Code									
609-251R14S0R5BV4T	251R14S0R5BV4T	0.5	250	S	0.10pF				
609-251R14S0R6BV4T	251R14S0R6BV4T	0.6	250	S	0.10pF				
609-251R14S0R8BV4T	251R14S0R8BV4T	0.8	250	S	0.10pF				
609-251R14S100GV4T	251R14S100GV4T	10	250	S	2%				
609-251R14S120GV4T	251R14S120GV4T	12	250	S	2%				
609-251R14S150JV4T	251R14S150JV4T	15	250	S	5%				
609-251R14S1R0BV4T	251R14S1R0BV4T	1	250	S	0.10pF				
609-251R14S1R2BV4T	251R14S1R2BV4T	1.2	250	S	0.10pF				
609-251R14S1R5BV4T	251R14S1R5BV4T	1.5	250	S	0.10pF				
609-251R14S1R8BV4T	251R14S1R8BV4T	1.8	250	S	0.10pF				
609-251R14S270JV4T	251R14S270JV4T	27	250	S	5%				
609-251R14S2R0BV4T	251R14S2R0BV4T	2	250	S	0.10pF				
609-251R14S2R2BV4T	251R14S2R2BV4T	2.2	250	S	0.10pF				
609-251R14S330GV4T	251R14S330GV4T	33	250	S	2%				
609-251R14S3R0BV4T	251R14S3R0BV4T	3	250	S	0.10pF				
609-251R14S3R3BV4T	251R14S3R3BV4T	3.3	250	S	0.10pF				
609-251R14S3R9BV4T	251R14S3R9BV4T	3.9	250	S	0.10pF				
609-251R14S430JV4T	251R14S430JV4T	43	250	S	5%				
609-251R14S470JV4T	251R14S470JV4T	47	250	S	5%				
609-251R14S6R8CV4T	251R14S6R8CV4T	6.8	250	S	0.25pF				

KEMET Automotive Multilayer Ceramic Chip Capacitors

RoHS Compliant This product is RoHS compliant.

Features:

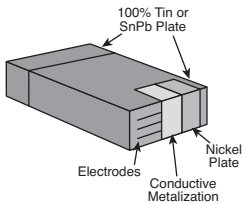
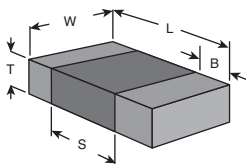
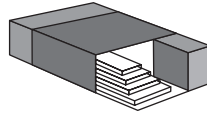
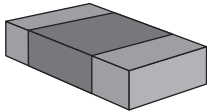
- Operating temperature range: -55°C to +125°C
- AEC Q200 automotive qualified
- Temperature stable dielectric
- Non-polar device, minimizing installation concerns
- 100% pure matte tin-plated termination finish allowing for excellent solderability

Applications:

- Decoupling
- Bypass
- Filtering
- Transient voltage suppression



RoHS Compliant



EIA Size Code	Metric Size Code	L Length	W Width	T Thickness	B Bandwidth	S Separation Min.	Mounting Technique
0402	1005	1.00(.40) ± 0.05(.002)	0.50(.20) ± 0.05(.002)	0.50 ± 0.05	0.30(.012) ± 0.10(.004)	0.30(.012)	Solder reflow only
0603	1608	1.60(.063) ± 0.15(.006)	0.80(.032) ± 0.15(.006)	0.80 ± 0.07	0.35(.014) ± 0.15(.006)	0.70(.028)	Solder wave or solder reflow
0805	2012	2.00(.079) ± 0.20(.008)	1.25(.049) ± 0.20(.008)	0.78 ± 0.10	0.50(.02) ± 0.25(.010)	0.75(.030)	Solder wave or solder reflow
1206	3216	3.20(.126) ± 0.20(.008)	1.60(.063) ± 0.20(.008)	0.78 ± 0.10	0.50(.02) ± 0.25(.010)	N/A	Solder reflow only
1210	3225	3.20(.126) ± 0.20(.008)	2.50(.098) ± 0.20(.008)	2.50 ± 0.20	0.50(.02) ± 0.25(.010)	N/A	Solder reflow only

STANDARD MODE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Case Size	Value (pF)	Temperature Coefficient	Tol. ±	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
10 Volts											
80-C0805C105K8RAUTO	C0805C105K8RAAUTO	0805	1uF	X7R	10%					4000	
80-C1206C106K8RAUTO	C1206C106K8RAAUTO	1206	10uF	X7R	10%					2000	
16 Volts											
80-C0402C104K4RAUTO	C0402C104K4RAAUTO	0402	0.1uF	X7R	10%					10000	
80-C0603C104K4RAUTO	C0603C104K4RAAUTO	0603	0.1uF	X7R	10%					4000	
80-C0805C105K4RAUTO	C0805C105K4RAAUTO	0805	1uF	X7R	10%					4000	
80-C1206C106K4RAUTO	C1206C106K4RAAUTO	1206	10uF	X7R	10%					2000	
25 Volts											
80-C0402C821K3RAUTO	C0402C821K3RAAUTO	0402	820	X7R	10%					10000	
80-C0603C104K3RAUTO	C0603C104K3RAAUTO	0603	0.1uF	X7R	20%					4000	
80-C0805C473J3GAUTO	C0805C473J3GAUTO	0805	0.047uF	COG	5%					2500	
80-C0805C224K3RAUTO	C0805C224K3RAAUTO	0805	0.22uF	X7R	10%					4000	
80-C0805C474K3RAUTO	C0805C474K3RAAUTO	0805	0.47uF	X7R	10%					4000	
80-C1206C105K3RAUTO	C1206C105K3RAAUTO	1206	1uF	X7R	10%					2000	
50 Volts											
80-C0603C220J5GAUTO	C0603C220J5GAUTO	0603	22	COG	5%					4000	
80-C0603C470J5GAUTO	C0603C470J5GAUTO	0603	47	COG	5%					4000	
80-C0603C101J5GAUTO	C0603C101J5GAUTO	0603	100	COG	5%					4000	
80-C0603C181J5GAUTO	C0603C181J5GAUTO	0603	180	COG	5%					4000	
80-C0603C221J5GAUTO	C0603C221J5GAUTO	0603	220	COG	5%					4000	
80-C0603C331J5GAUTO	C0603C331J5GAUTO	0603	330	COG	5%					4000	
80-C0603C471J5GAUTO	C0603C471J5GAUTO	0603	470	COG	5%					4000	
80-C0603C102K5RAUTO	C0603C102K5RAAUTO	0603	1000	X7R	10%					4000	
80-C0603C102M5RAUTO	C0603C102M5RAAUTO	0603	1000	X7R	20%					4000	
80-C0603C222K5RAUTO	C0603C222K5RAAUTO	0603	2200	X7R	10%					4000	
80-C0603C332K5RAUTO	C0603C332K5RAAUTO	0603	3300	X7R	10%					4000	
80-C0603C472K5RAUTO	C0603C472K5RAAUTO	0603	4700	X7R	10%					4000	
80-C0603C473K5RAUTO	C0603C473K5RAAUTO	0603	0.047uF	X7R	10%					4000	
80-C0603C103K5RAUTO	C0603C103K5RAAUTO	0603	0.01uF	X7R	10%					4000	
80-C0603C103M5RAUTO	C0603C103M5RAAUTO	0603	0.01uF	X7R	20%					4000	
80-C0603C104J5RAUTO	C0603C104J5RAAUTO	0603	0.1uF	X7R	5%					4000	
80-C0603C104K5RAUTO	C0603C104K5RAAUTO	0603	0.1uF	X7R	10%					4000	
80-C0805C101J5GAUTO	C0805C101J5GAUTO	0805	100	COG	5%					4000	
80-C0805C221J5GAUTO	C0805C221J5GAUTO	0805	220	COG	5%					4000	
80-C0805C471J5GAUTO	C0805C471J5GAUTO	0805	470	COG	5%					4000	
80-C0805C102K5RAUTO	C0805C102K5RAAUTO	0805	1000	X7R	10%					4000	
80-C0805C222K5RAUTO	C0805C222K5RAAUTO	0805	2200	X7R	10%					4000	
80-C0805C223K5RAUTO	C0805C223K5RAAUTO	0805	0.022uF	X7R	10%					4000	
80-C0805C473K5RAUTO	C0805C473K5RAAUTO	0805	0.047uF	X7R	10%					4000	
80-C0805C334K5RAUTO	C0805C334K5RAAUTO	0805	0.33uF	X7R	10%					4000	
80-C0805C474K5RAUTO	C0805C474K5RAAUTO	0805	0.47uF	X7R	10%					2500	
80-C0805C103K5RAUTO	C0805C103K5RAAUTO	0805	0.01uF	X7R	10%					4000	
80-C0805C104K5RAUTO	C0805C104K5RAAUTO	0805	0.1uF	X7R	10%					4000	
80-C1206C332J5GAUTO	C1206C332J5GAUTO	1206	3300	COG	5%					4000	
80-C1206C103K5RAUTO	C1206C103K5RAAUTO	1206	0.01uF	X7R	10%					4000	
80-C1206C104K5RAUTO	C1206C104K5RAAUTO	1206	0.1uF	X7R	10%					4000	
80-C1206C225K5RAUTO	C1206C225K5RAAUTO	1206	2.2uF	X7R	10%					2000	
80-C1210C224K5RAUTO	C1210C224K5RAAUTO	1210	0.22uF	X7R	10%					4000	
80-C1210C105M5RAUTO	C1210C105M5RAAUTO	1210	1uF	X7R	20%					2000	
80-C1210C225K5RAUTO	C1210C225K5RAAUTO	1210	2.2uF	X7R	10%					2500	
80-C1210C475K5RAUTO	C1210C475K5RAAUTO	1210	47uF	X7R	10%					1000	
100 Volts											
80-C0603C221K1RAUTO	C0603C221K1RAAUTO	0603	220	X7R	10%					4000	
80-C0603C102K1RAUTO	C0603C102K1RAAUTO	0603	1000	X7R	10%					4000	
80-C0805C102K1RAUTO	C0805C102K1RAAUTO	0805	1000	X7R	10%					4000	
80-C1206C104K1RAUTO	C1206C104K1RAAUTO	1206	0.1uF	X7R	10%					4000	
80-C1210C105K1RAUTO	C1210C105K1RAAUTO	1210	1uF	X7R	10%					2000	
200 Volts											
80-C0805C101K2GAUTO	C0805C101K2GAUTO	0805	100	COG	10%					4000	
80-C0805C102K2RAUTO	C0805C102K2RAAUTO	0805	1000	X7R	10%					4000	
80-C0805C103K2RAUTO	C0805C103K2RAAUTO	0805	0.01uF	X7R	10%					4000	
80-C1206C473K2RAUTO	C1206C473K2RAAUTO	1206	0.047uF	X7R	10%					2500	

OPEN MODE

For quantities greater than listed, call for quote.

50 Volts											
80-C0805F473K5RAUTO	C0805F473K5RAAUTO	0805	0.047uF	X7R	10%					4000	
80-C0805F104K5RAUTO	C0805F104K5RAAUTO	0805	0.1uF	X7R	10%					2500	
80-C0805F104M5RAUTO	C0805F104M5RAAUTO	0805	0.1uF	X7R	20%					2500	
100 Volts											
80-C1206F104K1RAUTO	C1206F104K1RAAUTO	1206	0.1uF	X7R	10%					4000	

FLOATING ELECTRODE

For quantities greater than listed, call for quote.

100 Volts											
80-C0805F473K5RAUTO	C0805F473K5RAAUTO	0805	0.047uF	X7R	10%					4000	

FLEXIBLE TERMINATION

For quantities greater than listed, call for quote.

50 Volts											
80-C0603X471J5RAUTO	C0603X471J5RAAUTO	0603	470	X7R	5%					4000	
80-C0603X104J5RAUTO	C0603X104J5RAAUTO	0603	0.1uF	X7R	5%					4000	
80-C1210X475K5RAUTO	C1210X475K5RAAUTO	1210	4.7uF	X7R	10%					1000	

KEMET Ceramic Chip Capacitors

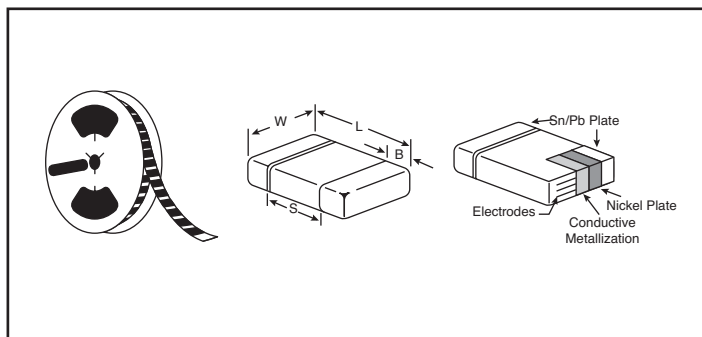
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TIN/LEAD TERMINATION CERAMIC CHIP CAPACITORS

RoHS Compliant This product is RoHS compliant.

KEMET's line of Tin/Lead termination commercial MLCC surface mount capacitors are designed to meet the needs of the commercial, high reliability, where Tin/Lead plating is required. KEMET's Tin/Lead electroplating process is designed to meet a 5% minimum lead content in the termination of the component. As the bulk of the electronics industry marches to RoHS compliance it is important that KEMET provide the Tin/Lead terminated products for our valued high reliability customers.



EIA Size Code	Metric Size Code (Ref only)	DIMENSIONS: mm (in.)					Mounting Technique
		L Length	W Width	B Bandwidth	S Min. Separation		
0402	1005	1.0 (.04)	0.5 (.02)	0.20 (0.008)	0.3 (.012)	Solder Reflow	
0603	1608	1.6 (.063)	0.8 (.032)	0.35 (.014)	0.7 (.028)	Solder Wave or Solder Reflow	
0805	2012	2.0 (.079)	1.25 (.049)	0.5 (.02)	0.75 (.030)		
1206	3216	3.2 (.126)	1.6 (.063)	0.5 (.02)	N/A		

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt.	Tol. (%)	Price Each		Qty. per Reel	Price Each
					1	100		
Style 0402 COG								
80-C0402C100J5GAL	C0402C100J5GALTU	10	50	5%			10000	
80-C0402C390J5GAL	C0402C390J5GALTU	39	50	5%			10000	
80-C0402C470J5GAL	C0402C470J5GALTU	47	50	5%			10000	
Style 0402 X7R								
80-C0402C221K5RAL	C0402C221K5RALTU	220	50	10%			10000	
80-C0402C821J8RAL	C0402C821J8RALTU	820	10	5%			10000	
80-C0402C222K5RAL	C0402C222K5RALTU	2200	50	10%			10000	
80-C0402C103J9RAL	C0402C103J9RALTU	10000	6.3	5%			10000	
80-C0402C103K5RAL	C0402C103K5RALTU	10000	50	10%			10000	
80-C0402C223K8RAL	C0402C223K8RALTU	22000	10	10%			10000	
80-C0402C223K4RAL	C0402C223K4RALTU	22000	16	10%			10000	
80-C0402C333K8RAL	C0402C333K8RALTU	33000	10	10%			10000	
80-C0402C683K4RAL	C0402C683K4RALTU	68000	16	10%			10000	
80-C0402C104K4RAL	C0402C104K4RALTU	0.1µF	16	10%			10000	
Style 0603 COG								
80-C0603C339K1GAL	C0603C339K1GALTU	3.3	100	10%			4000	
80-C0603C100J5GAL	C0603C100J5GALTU	10	50	5%			4000	
80-C0603C100K5GAL	C0603C100K5GALTU	10	50	10%			4000	
80-C0603C100K1GAL	C0603C100K1GALTU	10	100	10%			4000	
80-C0603C180J5GAL	C0603C180J5GALTU	18	50	5%			4000	
80-C0603C430J5GAL	C0603C430J5GALTU	43	50	5%			4000	
80-C0603C560J5GAL	C0603C560J5GALTU	56	50	5%			4000	
80-C0603C820K5GAL	C0603C820K5GALTU	82	50	10%			4000	
80-C0603C101J5GAL	C0603C101J5GALTU	100	50	5%			4000	
80-C0603C101K5GAL	C0603C101K5GALTU	100	50	10%			4000	
80-C0603C221J5GAL	C0603C221J5GALTU	220	50	5%			4000	
80-C0603C221K1GAL	C0603C221K1GALTU	220	100	10%			4000	
80-C0603C471K5GAL	C0603C471K5GALTU	470	50	10%			4000	
80-C0603C102J5GAL	C0603C102J5GALTU	1000	50	5%			4000	
Style 0603 X5R								
80-C0603C105K4PAL	C0603C105K4PALTU	1.0µF	16	10%			4000	
Style 0603 X7R								
80-C0603C221K5RAL	C0603C221K5RALTU	220	50	10%			4000	
80-C0603C471K4RAL	C0603C471K4RALTU	470	16	10%			4000	
80-C0603C102K3RAL	C0603C102K3RALTU	1000	25	10%			4000	
80-C0603C102K5RAL	C0603C102K5RALTU	1000	50	10%			4000	
80-C0603C152K5RAL	C0603C152K5RALTU	1500	50	10%			4000	
80-C0603C222K3RAL	C0603C222K3RALTU	2200	25	10%			4000	
80-C0603C332K5RAL	C0603C332K5RALTU	3300	50	10%			4000	
80-C0603C472J9RAL	C0603C472J9RALTU	4700	6.3	5%			4000	
80-C0603C682K1RAL	C0603C682K1RALTU	6800	100	10%			4000	
80-C0603C103J8RAL	C0603C103J8RALTU	10000	10	5%			4000	
80-C0603C103K8RAL	C0603C103K8RALTU	10000	10	10%			4000	
80-C0603C103K4RAL	C0603C103K4RALTU	10000	16	10%			4000	
80-C0603C103K3RAL	C0603C103K3RALTU	10000	25	10%			4000	
80-C0603C103K5RAL	C0603C103K5RALTU	10000	50	10%			4000	
80-C0603C153K5RAL	C0603C153K5RALTU	15000	50	10%			4000	
80-C0603C223K1RAL	C0603C223K1RALTU	22000	100	10%			4000	
80-C0603C273J5RAL	C0603C273J5RALTU	27000	50	5%			4000	
80-C0603C273K1RAL	C0603C273K1RALTU	27000	100	10%			4000	
80-C0603C473K3RAL	C0603C473K3RALTU	47000	25	10%			4000	
80-C0603C473K5RAL	C0603C473K5RALTU	47000	50	10%			4000	
80-C0603C104K4RAL	C0603C104K4RALTU	0.1µF	16	10%			4000	
80-C0603C104K3RAL	C0603C104K3RALTU	0.1µF	25	10%			4000	
80-C0603C104K5RAL	C0603C104K5RALTU	0.1µF	50	10%			4000	
80-C0603C334K9RAL	C0603C334K9RALTU	0.33µF	6.3	10%			4000	
80-C0603C334K4RAL	C0603C334K4RALTU	0.33µF	16	10%			4000	
Style 0805 COG								
80-C0805C100J5GAL	C0805C100J5GALTU	10	50	5%			4000	
80-C0805C120J5GAL	C0805C120J5GALTU	12	50	5%			4000	
80-C0805C150J5GAL	C0805C150J5GALTU	15	50	5%			4000	
80-C0805C300K5GAL	C0805C300K5GALTU	30	50	10%			4000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt.	Tol. (%)	Price Each		Qty. per Reel	Price Each
					1	100		
Style 0805 COG (Cont.)								
80-C0805C101J1GAL	C0805C101J1GALTU	100	100	5%			4000	
80-C0805C151J5GAL	C0805C151J5GALTU	150	50	5%			4000	
80-C0805C151J1GAL	C0805C151J1GALTU	150	100	5%			4000	
80-C0805C391J5GAL	C0805C391J5GALTU	390	50	5%			4000	
80-C0805C471J5GAL	C0805C471J5GALTU	470	50	5%			4000	
80-C0805C122J3GAL	C0805C122J3GALTU	1200	25	5%			4000	
80-C0805C152J5GAL	C0805C152J5GALTU	1500	50	5%			4000	
80-C0805C182K5GAL	C0805C182K5GALTU	1800	50	10%			4000	
Style 0805 X7R								
80-C0805C331K5RAL	C0805C331K5RALTU	330	50	10%			4000	
80-C0805C391J5RAL	C0805C391J5RALTU	390	50	5%			4000	
80-C0805C821K2RAL	C0805C821K2RALTU	820	200	10%			4000	
80-C0805C102J5RAL	C0805C102J5RALTU	1000	50	5%			4000	
80-C0805C102K5RAL	C0805C102K5RALTU	1000	50	10%			4000	
80-C0805C102K2RAL	C0805C102K2RALTU	1000	200	10%			4000	
80-C0805C152K5RAL	C0805C152K5RALTU	1500	50	10%			4000	
80-C0805C472K5RAL	C0805C472K5RALTU	4700	50	10%			4000	
80-C0805C103K5RAL	C0805C103K5RALTU	10000	50	10%			4000	
80-C0805C103K1RAL	C0805C103K1RALTU	10000	100	10%			4000	
80-C0805C103K2RAL	C0805C103K2RALTU	10000	200	10%			4000	
80-C0805C183K1RAL	C0805C183K1RALTU	18000	100	10%			4000	
80-C0805C223J1RAL	C0805C223J1RALTU	22000	100	5%			4000	
80-C0805C333K1RAL	C0805C333K1RALTU	33000	100	10%			4000	
80-C0805C473K1RAL	C0805C473K1RALTU	47000	100	10%			4000	
80-C0805C473K2RAL	C0805C473K2RALTU	47000	200	10%			4000	
80-C0805C563J1RAL	C0805C563J1RALTU	56000	100	5%			4000	
80-C0805C683K5RAL	C0805C683K5RALTU	68000	50	10%			4000	
80-C0805C823K1RAL	C0805C823K1RALTU	82000	100	10%			2500	
80-C0805C104K3RAL	C0805C104K3RALTU	0.1µF	25	10%			4000	
80-C0805C104K5RAL	C0805C104K5RALTU	0.1µF	50	10%			4000	
80-C0805C104J1RAL	C0805C104J1RALTU	0.1µF	100	5%			4000	
80-C0805C104K1RAL	C0805C104K1RALTU	0.1µF	100	10%			4000	
80-C0805C124K3RAL	C0805C124K3RALTU	0.12µF	25	10%			4000	
80-C0805C224K3RAL	C0805C224K3RALTU	0.22µF	25	10%			4000	
80-C0805C224K5RAL	C0805C224K5RALTU	0.22µF	50	10%			4000	
80-C0805C274K3RAL	C0805C274K3RALTU	0.27µF	25	10%			4000	
80-C0805C394K3RAL	C0805C394K3RALTU	0.39µF	25	10%			2500	
80-C0805C474K3RAL	C0805C474K3RALTU	0.47µF	25	10%			2500	
80-C0805C105K8RAL	C0805C105K8RALTU	1µF	10	10%			2500	
80-C0805C105K4RAL	C0805C105K4RALTU	1µF	16	10%			2500	
80-C0805C105K3RAL	C0805C105K3RALTU	1µF	25	10%			2500	
80-C0805C225K9RAL	C0805C225K9RALTU	2.2µF	6.3	10%			2500	
80-C0805C225K4RAL	C0805C225K4RALTU	2.2µF	16	10%			2500	
Style 1206 COG								
80-C1206C471J5GAL	C1206C471J5GALTU	470	50	5%			4000	
80-C1206C332J5GAL	C1206C332J5GALTU	3300	50	5%			4000	
Style 1206 X7R								
80-C1206C222K2RAL	C1206C222K2RALTU	2200	200	10%			4000	
80-C1206C562J2RAL	C1206C562J2RALTU	5600	200	5%			4000	
80-C1206C103K2RAL	C1206C103K2RALTU	10000	200	10%			4000	
80-C1206C683K5RAL	C1206C683K5RALTU	68000	50	10%			4000	
80-C1206C104K5RAL	C1206C104K5RALTU	0.1µF	50	10%			4000	
80-C1206C104K2RAL	C1206C104K2RALTU	0.1µF	200	10%			2500	
80-C1206C224K3RAL	C1206C224K3RALTU	0.22µF	25	10%			4000	
80-C1206C224K5RAL	C1206C224K5RALTU	0.22µF	50	10%			4000	
80-C1206C564K8RAL	C1206C564K8RALTU	0.56						

KEMET High Capacitance Ceramic Chip Capacitors

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RoHS Compliant This product is RoHS compliant.

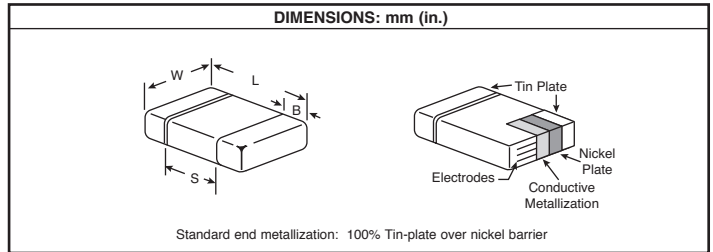
KEMET HICV MLCC

EIA Size Code	L (Length)	W (Width)	B (Bandwidth)	S Min. (Separation)
* 0402	1.0 (.04)	0.5 (.02)	0.20 (0.008)	0.3 (.012)
* 0603	1.6 (.063)	0.8 (.032)	0.35 (.014)	0.7 (.028)
* 0805	2.0 (.079)	1.25 (.049)	0.5 (.02)	0.75 (.030)
* 1206	3.2 (.126)	1.6 (.063)	0.5 (.02)	N/A
1210	3.2 (.126)	2.5 (.098)	0.5 (.02)	N/A
1812	4.5 (.177)	3.2 (.126)	0.6 (.024)	N/A
2220	5.6 (.220)	5.0 (.197)	0.6 (.024)	N/A

*Note: Indicates EIA preferred case sizes (tightened tolerances apply for 0402, 0603, and 0805 packaged in bulk cassette)



RoHS Compliant



KEMET Ceramic Caps, SMD

EIA Case Size 0402

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Volt (DC)	Tol.±	Thick-ness (mm)	Price Each		Reel Qty.	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C0402C105K9P	C0402C105K9PACTU	1.0	6.3	10%	.50±0.05			10000	
80-C0402C225M9P	C0402C225M9PACTU	2.2	6.3	20%	.50±0.05			10000	
80-C0402C225M8P	C0402C225M8PACTU	2.2	10	20%	.50±0.05			10000	

EIA Case Size 0603

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Volt (DC)	Tol.±	Thick-ness (mm)	Price Each		Reel Qty.	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C0603C105K9P	C0603C105K9PACTU	1.0	6.3	10%	.80±.10			4000	
80-C0603C105K8P	C0603C105K8PACTU	1.0	10	10%	.80±.10			4000	
80-C0603C105K4P	C0603C105K4PACTU	1.0	16	10%	.80±.10			4000	
80-C0603C105K3P	C0603C105K3PACTU	1.0	2.5	10%	.80±.15			4000	
80-C0603C225K8P	C0603C225K8PACTU	2.2	10	10%	.80±.10			4000	
80-C0603C475K9P	C0603C475K9PACTU	4.7	6.3	10%	.80±.10			4000	
80-C0603C106M9P	C0603C106M9PACTU	1.0	6.3	20%	.80±.15			4000	
Temperature Coefficient Y5V									
80-C0603C105Z8V	C0603C105Z8VACTU	1.0	10	+80,-20	.80±.10			4000	
Temperature Coefficient X7R									
80-C0603C105K4R	C0603C105K4RACTU	1.0	16	10%	.80±.15			4000	
80-C0603C105K3R	C0603C105K3RACTU	1.0	25	10%	.80±0.07			4000	
80-C0603C105M3R	C0603C105M3RACTU	1.0	25	20%	.80±0.07			4000	

EIA Case Size 0805

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Volt (DC)	Tol.±	Thick-ness (mm)	Price Each		Reel Qty.	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C0805C105K4P	C0805C105K4PACTU	1.0	16	10%	1.25±0.15			2500	
80-C0805C105K3P	C0805C105K3PACTU	1.0	25	10%	1.25±0.15			2500	
80-C0805C225K9P	C0805C225K9PACTU	2.2	6.3	10%	0.9±0.1			4000	
80-C0805C225K8P	C0805C225K8PACTU	2.2	10	10%	0.9±0.1			2500	
80-C0805C225K4P	C0805C225K4PACTU	2.2	16	10%	0.9±0.1			2500	
80-C0805C475K9P	C0805C475K9PACTU	4.7	6.3	10%	1.25±0.2			2500	
80-C0805C475K8P	C0805C475K8PACTU	4.7	10	10%	1.25±0.2			2500	
80-C0805C475K4P	C0805C475K4PACTU	4.7	16	10%	1.25±0.2			2500	
80-C0805C106K9P	C0805C106K9PACTU	10	6.3	10%	1.25±0.2			3000	
80-C0805C106K8P	C0805C106K8PACTU	10	10	10%	1.25±0.2			2500	
80-C0805C226M9P	C0805C226M9PACTU	22	6.3	20%	1.25±0.2			2500	
Temperature Coefficient Y5V									
80-C0805C225Z4V	C0805C225Z4VACTU	2.2	16	+80,-20	1.25±0.15			2500	
80-C0805C475Z8V	C0805C475Z8VACTU	4.7	10	+80,-20	1.25±0.15			2500	
80-C0805C106Z9V	C0805C106Z9VACTU	10	6.3	+80,-20	1.25±0.2			3000	
Temperature Coefficient X7R									
80-C0805C105K9R	C0805C105K9RACTU	1.0	6.3	10%	1.25±0.15			2500	
80-C0805C105K4R	C0805C105K4RACTU	1.0	16	10%	1.25±0.15			2500	
80-C0805C105K5R	C0805C105K5RACTU	1.0	50	10%	1.25±0.15			2500	
80-C0805C105M5R	C0805C105M5RACTU	1.0	50	20%	1.25±0.15			2500	
80-C0805C225K9R	C0805C225K9RACTU	2.2	6.3	10%	1.25±0.15			2500	
80-C0805C225K8R	C0805C225K8RACTU	2.2	10	10%	1.25±0.15			2500	
80-C0805C225K4R	C0805C225K4RACTU	2.2	16	10%	1.25±0.15			2500	
80-C0805C475K9R	C0805C475K9RACTU	4.7	6.3	10%	1.25±0.15			2500	
80-C0805C475M9R	C0805C475M9RACTU	4.7	6.3	20%	1.25±0.15			2500	
80-C0805C475K8R	C0805C475K8RACTU	4.7	10	10%	1.25±0.15			2500	
80-C0805C475M8R	C0805C475M8RACTU	4.7	10	20%	1.25±0.15			2500	
80-C0805C475K4R	C0805C475K4RACTU	4.7	16	10%	1.25±0.15			2500	
80-C0805C475M4R	C0805C475M4RACTU	4.7	16	20%	1.25±0.15			2500	
80-C0805C106K9R	C0805C106K9RACTU	10	6.3	10%	1.25±0.15			2500	
80-C0805C106M9R	C0805C106M9RACTU	10	6.3	20%	1.25±0.15			2500	
80-C0805C106K8R	C0805C106K8RACTU	10	10	10%	1.25±0.15			2500	
80-C0805C106M8R	C0805C106M8RACTU	10	10	20%	1.25±0.15			2500	

EIA Case Size 1206

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Volt (DC)	Tol.±	Thick-ness (mm)	Price Each		Reel Qty.	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C1206C105K3P	C1206C105K3PACTU	1.0	25	10%	1.6±0.2			2000	
80-C1206C475K4P	C1206C475K4PACTU	4.7	16	10%	1.6±0.2			2000	
80-C1206C475K3P	C1206C475K3PACTU	4.7	25	10%	1.6±0.2			2000	
80-C1206C106K8P	C1206C106K8PACTU	10	10	10%	1.15±0.15			2000	
80-C1206C106K4P	C1206C106K4PACTU	10	16	10%	1.6±0.2			2000	
80-C1206C106K3P	C1206C106K3PACTU	10	25	10%	1.6±0.2			2000	

EIA Case Size 1206 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Volt (DC)	Tol.±	Thick-ness (mm)	Price Each		Reel Qty.	Price per Piece
						1	100		
Temperature Coefficient X5R (Cont.)									
80-C1206C226K9P	C1206C226K9PACTU	22	6.3	10%	1.6±0.2			2000	
80-C1206C476M9P	C1206C476M9PACTU	47	6.3	20%	1.25±0.2			2000	
80-C1206C107M9P	C1206C107M9PACTU	100	6.3	20%	1.6±0.2			2000	
80-C1206C226M8P	C1206C226M8PACTU	22	10	20%	1.6±0.15			2000	
Temperature Coefficient Y5V									
80-C1206C105Z3V	C1206C105Z3VACTU	1.0	25	+80,-20	0.78±0.1			2000	
80-C1206C475Z4V	C1206C475Z4VACTU	4.7	16	+80,-20	1.2±0.15			2500	
80-C1206C106Z8V	C1206C106Z8VACTU	10	10	+80,-20	1.7±0.2			2000	
80-C1206C226Z9V	C1206C226Z9VACTU	22	6.3	+80,-20	1.7±0.2			2000	
Temperature Coefficient X7R									
80-C1206C105K3R	C1206C105K3RACTU	1.0	25	10%	1.6±0.15			2000	
80-C1206C105K5R	C1206C105K5RACTU	1.0	50	10%	1.0±0.1			2500	
80-C1206C225K3R	C1206C225K3RACTU	2.2	25	10%	1.2±0.15			2000	
80-C1206C225K5R	C1206C225K5RACTU	2.2	50	10%	1.6±0.2			2000	
80-C1206C475K8R	C1206C475K8RACTU	4.7	10	10%	1.25±0.15			2500	
80-C1206C475K4R	C1206C475K4RACTU	4.7	16	10%	1.25±0.15			2500	
80-C1206C475K3R	C1206C475K3RACTU	4.7	25	10%	1.6±0.2			2000	
80-C1206C106K8R	C1206C106K8RACTU	10	10	10%	1.6±0.2			2000	
80-C1206C106K4R	C1206C106K4RACTU	10	16	10%	1.6±0.2			2000	
80-C1206C106K3R	C1206C106K3RACTU	10	25	10%	1.60±0.20			2000	
80-C1206C106M3R	C1206C106M3RACTU	10	25	20%	1.60±0.20			2000	
80-C1206C226M9R	C1206C226M9RACTU	22	6.3	20%	1.60±0.20			2000	
80-C1206C226M8R	C1206C226M8RACTU	22	10	20%	1.60±0.20			2000	

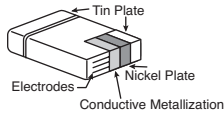
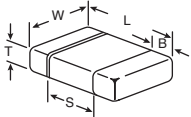
EIA Case Size 1210

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Volt (DC)	Tol.±	Thick-ness (mm)	Price Each		Reel Qty.	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C1210C105K5P	C1210C105K5PACTU	1.0	50	10%	1.55±0.15			2000	
80-C1210C475K4P	C1210C475K4PACTU	4.7	16	10%	2.1±0.2			2000	
80-C1210C475K3P	C1210C475K3PACTU	4.7	25	10%	2.1±0.2			2000	
80-C1210C106K3P	C1210C106K3PACTU	10	25	10%	2.1±0.2			2000	
80-C1210C106K4P	C1210C106K4PACTU	10	16	10%	2.1±0.2			2000	
80-C1210C106K9P	C1210C106K9PACTU	10	6.3	10%	2.1±0.2			2000	
80-C1210C226K4P	C1210C226K4PACTU	22	16	10%	1.85±0.2			2000	
80-C1210C476M9P	C1210C476M9PACTU	47	6.3	20%	1.7±0.2			1500	
80-C1210C107M9P	C1210C107M9PACTU	100	6.3	20%	2.1±0.2			1500	
Temperature Coefficient Y5V									
80-C1210C105Z5V	C1210C105Z5VACTU	1.0	50	+80,-20	1.55±0.15			2000	
80-C1210C106Z4V	C1210C106Z4VACTU	10	16	+80,-20	1.55±0.15			2000	
80-C1210C226M8V	C1210C226M8VACTU	22							

KEMET SMD Ceramic Capacitors

The Capacitance Company
KEMET
CHARGED.



Conductive Metallization
RoHS Compliant

DIMENSIONS: mm (in.)						
Metric Code	Style	L	W	B	S	
2012	0805	2.0 (.079)	1.2 (.049)	0.5 (.02)	0.75 (.030)	
3216	1206	3.2 (.126)	1.6 (.063)	0.5 (.02)	N/A	
3225	1210	3.2 (.126)	2.5 (.098)	0.5 (.02)	N/A	
4520	1808	4.5 (.177)	2.0 (.079)	0.6 (.024)	N/A	
4532	1812	4.5 (.177)	3.2 (.126)	0.6 (.024)	N/A	
4564	1825	4.5 (.177)	6.4 (.250)	0.6 (.024)	N/A	
5620	2220	5.6 (.224)	5.0 (.197)	0.6 (.024)	N/A	
5664	2225	5.6 (.224)	6.4 (.250)	0.6 (.024)	N/A	

KEMET TIP AND RING SMD CERAMIC CHIP CAPACITORS

KEMET's 250VDC or Tip & Ring MLCC capacitors are designed and rated for telecommunication ringer circuits where the capacitor is used to block -48 to -52VDC of line voltage and pass a 16-25HzAC signal pulse of 70-90Vrms. The surface mount ceramic capacitors are excellent replacements for high voltage leaded film devices. The smaller SMT footprints save valuable board space which is critical when creating new designs, and the capacitors are able to withstand today's higher lead-free reflow processing temperatures. The ceramic MLCC have excellent high frequency filtering characteristics, low ESR, and high temperature reflow capabilities. KEMET Tip and Ring capacitors are available in standard EIA case sizes and standard capacitance values from 0.001F to 1.21F. The capacitors have pure tin (100% Matte Sn) plated terminations and are 100% lead free which is ideal for new environmentally demanding designs.

Applications:

- Telecommunication ringing circuits
- Switch mode power supply
• Snubber circuits
- High voltage DC blocking
- High voltage coupling

Markets:

- Phone lines
- Analog and digital modems
- FAX machines
- Wireless base stations, ethernet
- Digital video recording set-top boxes
- Satellite dish
- Cable set-top boxes
- High voltage power supply,
DC/DC converters
- Ethernet, POS, ATM hardware

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Tol. ±%	Price Each			Reel Qty.	Price Per Piece
				1	100	500		
Style 0805-Temperature Coef: X7R								
80-C0805C102KAR	C0805C102KARACTU	1000	10				4000	
80-C0805C222KAR	C0805C222KARACTU	2200	10				4000	
80-C0805C272KAR	C0805C272KARACTU	2700	10				4000	
80-C0805C332KAR	C0805C332KARACTU	3300	10				4000	
80-C0805C472KAR	C0805C472KARACTU	4700	10				4000	
80-C0805C562KAR	C0805C562KARACTU	5600	10				4000	
80-C0805C682KAR	C0805C682KARACTU	6800	10				4000	
80-C0805C822KAR	C0805C822KARACTU	8200	10				4000	
80-C0805C103KAR	C0805C103KARACTU	10000	10				4000	
80-C0805C223KAR	C0805C223KARACTU	22000	10				4000	
Style 1206-Temperature Coef: X7R								
80-C1206C562KAR	C1206C562KARACTU	5600	10				4000	
80-C1206C682KAR	C1206C682KARACTU	6800	10				4000	
80-C1206C822KAR	C1206C822KARACTU	8200	10				4000	
80-C1206C103KAR	C1206C103KARACTU	10000	10				4000	
80-C1206C123KAR	C1206C123KARACTU	12000	10				4000	
80-C1206C153KAR	C1206C153KARACTU	15000	10				4000	
80-C1206C183KAR	C1206C183KARACTU	18000	10				4000	
80-C1206C223KAR	C1206C223KARACTU	23000	10				4000	
80-C1206C273KAR	C1206C273KARACTU	27000	10				4000	
80-C1206C333KAR	C1206C333KARACTU	23000	10				4000	
80-C1206C473KAR	C1206C473KARACTU	47000	10				2500	
80-C1206C563KAR	C1206C563KARACTU	56000	10				2500	
80-C1206C683KAR	C1206C683KARACTU	68000	10				2500	
80-C1206C823KAR	C1206C823KARACTU	82000	10				2500	
80-C1206C104KAR	C1206C104KARACTU	0.1μF	10				4000	
Style 1210-Temperature Coef: X7R								
80-C1210C682KAR	C1210C682KARACTU	6800	10				4000	
80-C1210C822KAR	C1210C822KARACTU	8200	10				4000	
80-C1210C103KAR	C1210C103KARACTU	10000	10				4000	
80-C1210C123KAR	C1210C123KARACTU	12000	10				4000	
80-C1210C153KAR	C1210C153KARACTU	15000	10				4000	
80-C1210C183KAR	C1210C183KARACTU	18000	10				4000	
80-C1210C223KAR	C1210C223KARACTU	22000	10				4000	
80-C1210C273KAR	C1210C273KARACTU	27000	10				4000	
80-C1210C333KAR	C1210C333KARACTU	33000	10				4000	
80-C1210C393KAR	C1210C393KARACTU	39000	10				4000	
80-C1210C473KAR	C1210C473KARACTU	47000	10				4000	
80-C1210C683KAR	C1210C683KARACTU	68000	10				4000	
80-C1210C823KAR	C1210C823KARACTU	82000	10				2500	
80-C1210C104KAR	C1210C104KARACTU	0.1μF	10				2500	
Style 1812-Temperature Coef: X7R								
80-C1812C124KAR	C1812C124KARACTU	0.12μF	10				1000	
80-C1812C224JAR	C1812C224JARACTU	0.22μF	5				1000	
80-C1812C274KAR	C1812C274KARACTU	0.27μF	10				1000	
80-C1812C334JAR	C1812C334JARACTU	0.33μF	5				1000	
80-C1812C334KAR	C1812C334KARACTU	0.33μF	10				1000	
80-C1812C474KAR	C1812C474KARACTU	0.47μF	10				1000	
Style 1825-Temperature Coef: X7R								
80-C1825C474KAR	C1825C474KARACTU	0.47μF	10				1000	
80-C1825C564KAR	C1825C564KARACTU	0.56μF	10				1000	
80-C1825C684KAR	C1825C684KARACTU	0.68μF	10				1000	
80-C1825C105KAR	C1825C105KARACTU	1.0μF	10				1000	
Style 2220-Temperature Coef: X7R								
80-C2220C474KAR	C2220C474KARACTU	0.47μF	10				1000	
80-C2220C564KAR	C2220C564KARACTU	0.56μF	10				1000	
80-C2220C684KAR	C2220C684KARACTU	0.68μF	10				1000	
80-C2220C105KAR	C2220C105KARACTU	1.0μF	10				1000	
Style 2225-Temperature Coef: X7R								
80-C2225C474KAR	C2225C474KARACTU	0.47μF	10				1000	
80-C2225C564KAR	C2225C564KARACTU	0.56μF	10				1000	
80-C2225C684KAR	C2225C684KARACTU	0.68μF	10				1000	
80-C2225C105KAR	C2225C105KARACTU	1.0μF	10				1000	

KEMET SMD HIGH VOLTAGE CERAMIC CAPACITORS

KEMET's High Voltage Surface Mount Capacitors are designed to withstand high voltage applications. They offer high capacitance with low leakage current and low ESR at high frequency. The capacitors have pure tin (Sn) plated external electrodes for good solderability. X7R dielectrics are not designed for AC line filtering applications. An insulating coating may be required to prevent surface arcing. These components are RoHS compliant.

Applications:

- Switch mode power supply
- Tank circuit
- Snubber circuit
- Output filter
- Resonators
- High voltage coupling
- High voltage DC blocking
- Lighting ballast
- Voltage multiplier circuits
- Coupling capacitors/CIUK

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol. ±%	Price Ea.			Reel Qty.	Price Per Piece
					1	100	1000		
Style 0805-Temperature Coef: C0G									
80-C0805C100JCG	C0805C100JCGACTU	10	500	5				2500	
80-C0805C100JDG	C0805C100JDGACTU	10	1000	5				2500	
80-C0805C220JCG	C0805C220JCGACTU	22	500	5				2500	
80-C0805C220JDG	C0805C220JDGACTU	22	1000	5				2500	
80-C0805C330JDG	C0805C330JDGACTU	33	1000	5				2500	
80-C0805C101KCG	C0805C101KCGACTU	100	500	10				2500	
80-C0805C101JCG	C0805C101JCGACTU	100	500	5				2500	
80-C0805C101KDG	C0805C101KDGACTU	100	1000	10				2500	
Style 0805-Temperature Coef: X7R									
80-C0805C271KDR	C0805C271KDRACTU	270	1000	10				2500	
80-C0805C471JDR	C0805C471JDRACTU	470	1000	5				2500	
80-C0805C471KDR	C0805C471KDRACTU	470	1000	10				2500	
80-C0805C681KDR	C0805C681KDRACTU	680	1000	10				2500	
80-C0805C821KDR	C0805C821KDRACTU	820	1000	10				2500	
80-C0805C102KCR	C0805C102KCRACTU	1000	500	10				2500	
80-C0805C222KDR	C0805C222KDRACTU	2200	1000	10				2500	
80-C0805C472KBR	C0805C472KBRACTU	4700	630	10				2500	
80-C0805C472KDR	C0805C472KDRACTU	4700	1000	10				2500	
80-C0805C682KBR	C0805C682KBRACTU	6800	630	10				2500	
80-C0805C822KBR	C0805C822KBRACTU	8200	630	10				2500	
80-C0805C123KCR	C0805C123KCRACTU	12000	500	10				2500	
80-C0805C103KCR	C0805C103KCRACTU	10000	500	10				2500	
Style 1206-Temperature Coef: C0G									
80-C1206C100CBG	C1206C100CBGACTU	10	630	±0.25pF				2000	
80-C1206C200KCG	C1206C200KCGACTU	20	500	10				2000	
80-C1206C220KCG	C1206C220KCGACTU	22	500	10				2000	
80-C1206C330KCG	C1206C330KCGACTU	33	500	10				2000	
80-C1206C330KDG	C1206C330KDGACTU	33	1000	10				2000	
80-C1206C470KGG	C1206C470KGGACTU	47	2000	10				2000	
80-C1206C101KCG	C1206C101KCGACTU	100	500	10				2500	
80-C1206C101JCG	C1206C101JCGACTU	100	500	5				2500	
80-C1206C101KDG	C1206C101KDGACTU	100	1000	10				2500	
80-C1206C101KGG	C1206C101KGGACTU	100	2000	10				2000	
80-C1206C151GCG	C1206C151GCGACTU	150	500	2				2500	
80-C1206C102JCG	C1206C102JCGACTU	1000	500	5				2000	
Style 1206-Temperature Coef: X7R									
80-C1206C150KGR	C1206C150KGRACTU	15	2000	10				2000	
80-C1206C102KCR	C1206C102KCRACTU	1000	500	10				2500	
80-C1206C102KDR	C1206C102KDRACTU	1000	1000	10				2500	
80-C1206C102KFR	C1206C102KFRACTU	1000	1500	10				2500	
80-C1206C102JGR	C1206C102JGRACTU	1000	2000	5				2000	
80-C1206C222KCR	C1206C222KCRACTU	2200	500	10				2500	
80-C1206C103KCR	C1206C103KCRACTU	10000	500	10				2000	
80-C1206C103KDR	C1206C103KDRACTU	10000	1000	10				2000	
80-C1206C223KDR	C1206C223KDRACTU	22000	1000	10				2500	
80-C1206C333KBR	C1206C333KBRACTU	33000	630	10				2500	
80-C1206C473KCR	C1206C473KCRACTU	47000	500	10				2500	
80-C1206C683KCR	C1206C683KCRACTU	68000	500	10				2500	
Style 1210-Temperature Coef: C0G									
80-C1210C331JBG	C1210C331JBGACTU	330	630	5				2500	
80-C1210C681KCG	C1210C681KCGACTU	680	500	10				2500	
80-C1210C681KDG	C1210C681KDGACTU	680	1000	10				2000	
80-C1210C102KCG	C1210C102KCGACTU	1000	500	10				2000	
80-C1210C102FBG	C1210C102FBGACTU	1000	630	1				2000	
80-C1210C102JBG	C1210C102JBGACTU	1000	630	5				2000	
80-C1210C102KDG	C1210C102KDGACTU	1000	1000	10				2000	
Style 1210-Temperature Coef: X7R									
80-C1210C101KGR	C1210C101KGRACTU	100	2000	10				2000	
80-C1210C221KFR	C1210C221KFRACTU	220	1500	10				2000	
80-C1210C471KBR	C1210C471KBRACTU	470	630	10				2000	
80-C1									

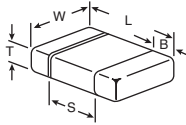
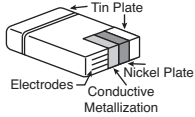
KEMET SMD Ceramic Capacitors

KEMET SMD HIGH VOLTAGE CERAMIC CAPACITORS (CONT.)

KEMET's High Voltage Surface Mount Capacitors are designed to withstand high voltage applications. They offer high capacitance with low leakage current and low ESR at high frequency. The capacitors have pure tin (Sn) plated external electrodes for good solderability. X7R dielectrics are not designed for AC line filtering applications. An insulating coating may be required to prevent surface arcing. These components are RoHS compliant.

Applications:

- Switch mode power supply
- Input filter
- Resonators
- Tank circuit
- Snubber circuit
- Output filter
- High voltage coupling
- High voltage DC blocking
- Lighting ballast
- Voltage multiplier circuits
- Coupling capacitors/CLK



DIMENSIONS: mm (in.)					
Metric Code	Style	L Length	W Width	B	S
2012	0805	2.0 (.079)	1.2 (.049)	0.5 (.02)	0.75 (.030)
3216	1206	3.2 (.126)	1.6 (.063)	0.5 (.02)	N/A
3225	1210	3.2 (.126)	2.5 (.098)	0.5 (.02)	N/A
4520	1808	4.5 (.177)	2.0 (.079)	0.6 (.024)	N/A
4532	1812	4.5 (.177)	3.2 (.126)	0.6 (.024)	N/A
4564	1825	4.5 (.177)	6.4 (.250)	0.6 (.024)	N/A
5620	2220	5.6 (.224)	5.0 (.197)	0.6 (.024)	N/A
5664	2225	5.6 (.224)	6.4 (.250)	0.6 (.024)	N/A

KEMET Ceramic Caps, SMD

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Style 1808-Temperature Coef: C0G								
80-C1808C100KHG	C1808C100KHGACTU	10	3000	10%			1000	
80-C1808C330JHG	C1808C330JHGACTU	33	3000	5%			1000	
80-C1808C470FHG	C1808C470FHGACTU	47	3000	1%			1000	
80-C1808C470KHG	C1808C470KHGACTU	47	3000	10%			1000	
Style 1808-Temperature Coef: X7R								
80-C1808C330MHR	C1808C330MHRACTU	33	3000	20%			1000	
80-C1808C101KGR	C1808C101KGRACTU	100	2000	10%			1000	
80-C1808C101KHR	C1808C101KHRACTU	100	3000	10%			1000	
80-C1808C681KHR	C1808C681KHRACTU	680	3000	10%			1000	
80-C1808C102KGR	C1808C102KGRACTU	1000	2000	10%			1000	
80-C1808C272KGR	C1808C272KGRACTU	2700	2000	10%			1000	
80-C1808C472MFR	C1808C472MFRACTU	4700	1500	20%			1000	
80-C1808C103KDR	C1808C103KDRACTU	0.01µF	1000	10%			1000	
80-C1808C153KDR	C1808C153KDRACTU	0.015µF	1000	10%			1000	
Style 1812-Temperature Coef: C0G								
80-C1812C100JHG	C1812C100JHGACTU	10	3000	5%			1000	
80-C1812C270KHG	C1812C270KHGACTU	27	3000	10%			1000	
80-C1812C101FDG	C1812C101FDGACTU	100	1000	1%			1000	
80-C1812C101JHG	C1812C101JHGACTU	100	3000	5%			1000	
80-C1812C101KDG	C1812C101KDGACTU	100	1000	10%			1000	
80-C1812C101KHG	C1812C101KHGACTU	100	3000	10%			1000	
80-C1812C221MGG	C1812C221MGGACTU	220	2000	20%			1000	
80-C1812C271JZG	C1812C271JZGACTU	270	2500	5%			1000	
80-C1812C391JZG	C1812C391JZGACTU	390	2500	5%			1000	
80-C1812C471JGG	C1812C471JGGACTU	470	2000	5%			1000	
80-C1812C471JZG	C1812C471JZGACTU	470	2500	5%			1000	
80-C1812C681JBG	C1812C681JBGACTU	680	630	5%			1000	
80-C1812C102JCG	C1812C102JCGACTU	1000	500	5%			1000	
80-C1812C102KDG	C1812C102KDGACTU	1000	1000	10%			1000	
80-C1812C152JCG	C1812C152JCGACTU	1500	500	5%			1000	
80-C1812C222JCG	C1812C222JCGACTU	2200	500	5%			1000	
Style 1812-Temperature Coef: X7R								
80-C1812C102KDR	C1812C102KDRACTU	1000	1000	10%			1000	
80-C1812C102KGR	C1812C102KGRACTU	1000	2000	10%			1000	
80-C1812C102KHR	C1812C102KHRACTU	1000	3000	10%			1000	
80-C1812C222JDR	C1812C222JDRACTU	2200	1000	5%			1000	
80-C1812C472KDR	C1812C472KDRACTU	4700	1000	10%			1000	
80-C1812C101KDR	C1812C101KDRACTU	100	1000	10%			1000	
80-C1812C101MDR	C1812C101MDRACTU	100	1000	20%			1000	
80-C1812C471KGR	C1812C471KGRACTU	470	2000	10%			1000	
80-C1812C332KGR	C1812C332KGRACTU	3300	2000	10%			1000	

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Style 1812-Temperature Coef: X7R (Cont.)								
80-C1812C392KGR	C1812C392KGRACTU	3900	2000	10%			1000	
80-C1812C183KDR	C1812C183KDRACTU	0.018µF	1000	10%			1000	
80-C1812C333KCR	C1812C333KCRACTU	0.033µF	500	10%			1000	
80-C1812C473JCR	C1812C473JCRACTU	0.047µF	500	5%			1000	
80-C1812C103KCR	C1812C103KCRACTU	0.01µF	500	10%			1000	
80-C1812C103KDR	C1812C103KDRACTU	0.01µF	1000	10%			1000	
80-C1812C103MDR	C1812C103MDRACTU	0.01µF	1000	20%			1000	
80-C1812C394KAR	C1812C394KARACTU	0.39µF	250	10%			1000	
80-C1812C474MAR	C1812C474MARACTU	0.47µF	250	20%			1000	
80-C1812C473KCR	C1812C473KCRACTU	0.047µF	500	10%			1000	
80-C1812C104JAR	C1812C104JARACTU	0.1µF	250	5%			1000	
80-C1812C104KAR	C1812C104KARACTU	0.1µF	250	10%			1000	
Style 1825-Temperature Coef: C0G								
80-C1825C511JZG	C1825C511JZGACTU	510	2500	5%			1000	
80-C1825C561JZG	C1825C561JZGACTU	560	2500	5%			1000	
80-C1825C681JZG	C1825C681JZGACTU	680	2500	5%			1000	
80-C1825C102JZG	C1825C102JZGACTU	1000	2500	5%			1000	
80-C1825C472JBG	C1825C472JBGACTU	4700	630	5%			1000	
Style 1825-Temperature Coef: X7R								
80-C1825C102KZR	C1825C102KZRACTU	1000	2500	10%			1000	
80-C1825C102KHR	C1825C102KHRACTU	1000	3000	10%			1000	
80-C1825C103KCR	C1825C103KCRACTU	0.01µF	500	10%			1000	
80-C1825C124MCR	C1825C124MCRACTU	0.12µF	500	20%			1000	
80-C1825C154KCR	C1825C154KCRACTU	0.15µF	500	10%			1000	
80-C1825C103KCR	C1825C103KCRACTU	0.01µF	500	10%			1000	
80-C1825C103KDR	C1825C103KDRACTU	0.01µF	1000	10%			1000	
80-C1825C104KCR	C1825C104KCRACTU	0.1µF	500	10%			1000	
Style 2220-Temperature Coef: C0G								
80-C2220C681JZG	C2220C681JZGACTU	680	2500	5%			1000	
80-C2220C102FCG	C2220C102FCGACTU	1000	500	1%			1000	
80-C2220C102JBG	C2220C102JBGACTU	1000	630	5%			1000	
Style 2220-Temperature Coef: X7R								
80-C2220C221KGR	C2220C221KGRACTU	220	2000	10%			1000	
Style 2225-Temperature Coef: X7R								
80-C2225C102MHR	C2225C102MHRACTU	1000	3000	20%			1000	
80-C2225C123KGR	C2225C123KGRACTU	0.012µF	2000	10%			1000	
80-C2225C563KDR	C2225C563KDRACTU	0.056µF	1000	10%			1000	
80-C2225C103KGR	C2225C103KGRACTU	0.01µF	2000	10%			1000	
80-C2225C224KCR	C2225C224KCRACTU	0.22µF	500	10%			1000	
80-C2225C104KCR	C2225C104KCRACTU	0.1µF	500	10%			1000	
80-C2225C125KAR	C2225C125KARACTU	1.2µF	250	10%			1000	

HIGH VOLTAGE CERAMIC CAPACITOR ENGINEERING KIT

MOUSER STOCK NO.	Type	Case Size	Volt	Value (pF)	Temp. Coef.	Price Each
80-CERENKIT08 (20 pcs each value)	Leaded	N/A	2000	1000	X7R	
	Leaded	N/A	3000	1000	X7R	
	Leaded	N/A	1000	1000	C0G	
	Leaded	N/A	3000	100	C0G	
	Leaded	N/A	500	47000	X7R	
	Leaded	N/A	1000	10000	X7R	
	Leaded	N/A	1500	1000	X7R	
	Leaded	N/A	500	100	C0G	
	Leaded	N/A	1000	470	C0G	
	SMT	0805	500	100	C0G	
	SMT	1206	500	4700, 10000	X7R	
	SMT	1206	1500	470	X7R	
	SMT	1206	500	330	C0G	
	SMT	1210	1000	10000	X7R	
	SMT	1808	2000	1000	X7R	
	SMT	1812	500	1000, 47000	X7R	
	SMT	1812	2000	1000	X7R	
	SMT	2225	500	100000	X7R	

KEMET SMD MLCC Ceramic Capacitors



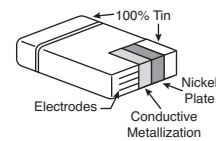
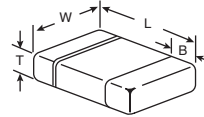
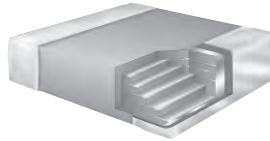
CBR SERIES COG RF/MICROWAVE CAPACITORS

Features:

- Ultra High Q
- Low ESR
- High thermal stability
- No piezoelectronic noise
- Base metal electrode (BME) dielectric system

Electrical Specifications:

- Temp. range: -55°C to +125°C



Applications:

- RF power amplifiers
- Mixers
- Oscillators
- Filter networks
- Low noise amplifiers
- Antenna tuning
- Timing circuits
- Delay lines
- Critical timing
- MRI imaging coils
- Tuning
- Bypass
- DC blocking
- Impedance matching
- Coupling/feedback/filtering

Case Size (in.)	Case Size (mm)	L Length	W Width	T Thickness	B Bandwidth	Mounting Technique
0201	0603	0.60(.024)±0.03(.001)	0.30(.012)±0.03(.001)	0.30(.012)±0.03(.001)	0.15(.006)±0.05(.002)	Solder Reflow
0402	1005	1.00(.040)±0.05(.002)	0.50(.020)±0.05(.002)	0.50(.020)±0.05(.002)	0.25(.010)±0.05(.002)/-0.10(.004)	Only
0603	1608	1.60(.063)±0.10(.004)	0.80(.031)±0.10(.004)	0.80(.031)±0.07(.003)	0.40(.016)±0.15(.006)	Solder Wave or
0805	2012	2.00(.079)±0.20(.008)	1.25(.049)±0.20(.008)	0.85(.031)±0.10(.004)	0.50(.020)±0.20(.008)	Solder Reflow

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt.	Price Each					
				1	50	100	500	1000	15000
Style 0201									
80-CBR02C108B3G	CBR02C108B3GAC	0.1	25						
80-CBR02C308B3G	CBR02C308B3GAC	0.3	25						
80-CBR02C508C3G	CBR02C508C3GAC	0.5	25						
80-CBR02C708C3G	CBR02C708C3GAC	0.7	25						
80-CBR02C908C3G	CBR02C908C3GAC	0.9	25						
80-CBR02C129C3G	CBR02C129C3GAC	1.2	25						
80-CBR02C189C3G	CBR02C189C3GAC	1.8	25						
80-CBR02C279C3G	CBR02C279C3GAC	2.7	25						
80-CBR02C399C3G	CBR02C399C3GAC	3.9	25						
80-CBR02C569D3G	CBR02C569D3GAC	5.6	25						
80-CBR02C829D3G	CBR02C829D3GAC	8.2	25						
80-CBR02C100J3G	CBR02C100J3GAC	10	25						
80-CBR02C110J3G	CBR02C110J3GAC	11	25						
80-CBR02C120J3G	CBR02C120J3GAC	12	25						
80-CBR02C130J3G	CBR02C130J3GAC	13	25						
80-CBR02C150J3G	CBR02C150J3GAC	15	25						
80-CBR02C160J3G	CBR02C160J3GAC	16	25						
80-CBR02C180J3G	CBR02C180J3GAC	18	25						

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt.	Price Each					
				1	50	100	500	1000	10000
Style 0402 (Cont.)									
80-CBR04C208B5G	CBR04C208B5GAC	0.2	50						
80-CBR04C308B5G	CBR04C308B5GAC	0.3	50						
80-CBR04C408B5G	CBR04C408B5GAC	0.4	50						

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt.	Price Each					
				1	50	100	500	1000	4000
Style 0603									
80-CBR06C308BAG	CBR06C308BAGAC	0.3	250						
80-CBR06C408BAG	CBR06C408BAGAC	0.4	250						
80-CBR06C508CAG	CBR06C508CAGAC	0.5	250						
80-CBR06C808CAG	CBR06C808CAGAC	0.8	250						
80-CBR06C129CAG	CBR06C129CAGAC	1.2	250						
80-CBR06C229CAG	CBR06C229CAGAC	2.2	250						
80-CBR06C399CAG	CBR06C399CAGAC	3.9	250						
80-CBR06C689DAG	CBR06C689DAGAC	6.8	250						
80-CBR06C100JAG	CBR06C100JAGAC	10	250						
80-CBR06C120JAG	CBR06C120JAGAC	12	250						
80-CBR06C150JAG	CBR06C150JAGAC	15	250						
80-CBR06C180JAG	CBR06C180JAGAC	18	250						
80-CBR06C220JAG	CBR06C220JAGAC	22	250						
80-CBR06C270JAG	CBR06C270JAGAC	27	250						
80-CBR06C330JAG	CBR06C330JAGAC	33	250						
80-CBR06C390JAG	CBR06C390JAGAC	39	250						
80-CBR06C470JAG	CBR06C470JAGAC	47	250						

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt.	Price Each					
				1	50	100	500	1000	10000
Style 0402									
80-CBR04C108B5G	CBR04C108B5GAC	0.1	50						
80-CBR04C208B5G	CBR04C208B5GAC	0.2	50						
80-CBR04C308B5G	CBR04C308B5GAC	0.3	50						
80-CBR04C408B5G	CBR04C408B5GAC	0.4	50						
80-CBR04C508C5G	CBR04C508C5GAC	0.5	50						
80-CBR04C608C5G	CBR04C608C5GAC	0.6	50						
80-CBR04C708C5G	CBR04C708C5GAC	0.7	50						
80-CBR04C808C5G	CBR04C808C5GAC	0.8	50						
80-CBR04C908C5G	CBR04C908C5GAC	0.9	50						
80-CBR04C109C5G	CBR04C109C5GAC	1	50						
80-CBR04C159C5G	CBR04C159C5GAC	1.5	50						
80-CBR04C229C5G	CBR04C229C5GAC	2.2	50						
80-CBR04C339C5G	CBR04C339C5GAC	3.3	50						
80-CBR04C479C5G	CBR04C479C5GAC	4.7	50						
80-CBR04C689D5G	CBR04C689D5GAC	6.8	50						
80-CBR04C100J5G	CBR04C100J5GAC	10	50						
80-CBR04C120J5G	CBR04C120J5GAC	12	50						
80-CBR04C150J5G	CBR04C150J5GAC	15	50						
80-CBR04C108B5G	CBR04C108B5GAC	0.1	50						

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt.	Price Each					
				1	50	100	500	1000	4000
Style 0805									
80-CBR08C229CAG	CBR08C229CAGAC	2.2	250						
80-CBR08C339BAG	CBR08C339BAGAC	3.3	250						
80-CBR08C479CAG	CBR08C479CAGAC	4.7	250						
80-CBR08C689BAG	CBR08C689BAGAC	6.8	250						
80-CBR08C100JAG	CBR08C100JAGAC	10	250						
80-CBR08C120JAG	CBR08C120JAGAC	12	250						
80-CBR08C150JAG	CBR08C150JAGAC	15	250						
80-CBR08C180JAG	CBR08C180JAGAC	18	250						
80-CBR08C220JAG	CBR08C220JAGAC	22	250						
80-CBR08C270JAG	CBR08C270JAGAC	27	250						
80-CBR08C330JAG	CBR08C330JAGAC	33	250						
80-CBR08C390JAG	CBR08C390JAGAC	39	250						
80-CBR08C470JAG	CBR08C470JAGAC	47	250						
80-CBR08C560JAG	CBR08C560JAGAC	56	250						
80-CBR08C680JAG	CBR08C680JAGAC	68	250						
80-CBR08C820JAG	CBR08C820JAGAC	82	250						
80-CBR08C101JAG	CBR08C101JAGAC	100	250						

MOUSER STOCK NO.	Description	Price Each		Kit Includes:			
		1	2	Case Size	Volt (DC)	Value (µF)	Temp. Coef.
80-CERERFKIT01	100 PCS OF 110 VALUE						
				0201	10	22, 27, 33	COG
					25	0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.2, 1.5, 1.8, 2.2, 3.3, 3.9, 4.7, 5.6, 6.8, 8.2, 10, 12, 15, 18	
				0402	10	0.1	
					50	0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1, 1.2, 1.5, 1.8, 2.2, 2.7, 3.3, 3.9, 4.7, 5.6, 6.8, 8.2, 10, 12, 15, 18, 22	
				0603	50	0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.2, 1.5, 1.6, 1.8, 2.0, 2.2, 2.7, 3.0, 3.3, 3.6, 3.9, 4.3, 4.9, 5.6, 6.8, 7.5, 8.0, 8.2, 10, 12, 15, 20, 22, 24, 30, 33, 43	
				0805	250	0.9, 1.0, 1.2, 1.5, 2.0, 2.2, 3.2, 4.0, 5.1, 6.0, 8.0, 8.2, 10, 12, 15, 18, 27, 30, 33, 47, 56, 68, 85, 100	



KEMET Multilayer Ceramic Chip Capacitors

Features:

- COG (NP0), X5R, X7R, Z5U, and Y5V Dielectrics
- 10, 16, 25, 50, 100 and 200 Volts
- Termination: Tin-plate over nickel barrier

Application Note:

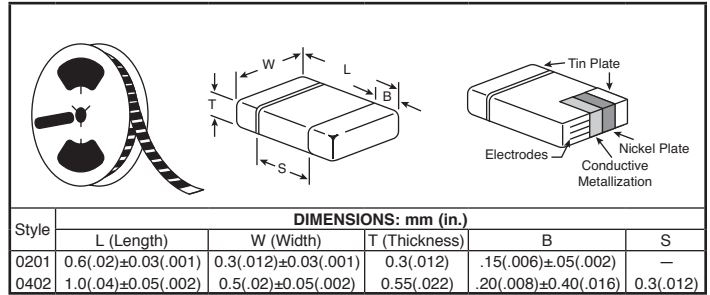
- A higher voltage capacitor may be used in a lower voltage application



RoHS Compliant

Temperature Characteristics:

- COG $0 \pm 30 \text{ppm}/^\circ\text{C}$ from -55°C to $+125^\circ\text{C}$
- X7R $\pm 15\%$ from -55°C to $+125^\circ\text{C}$



KEMET Ceramic Caps, SMD

CASE SIZE 0201

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol. \pm	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G								
80-C0201C100D3G	C0201C100D3GACTU	10	25	50%			15000	
80-C0201C120J3G	C0201C120J3GACTU	12	25	5%			15000	
80-C0201C150J3G	C0201C150J3GACTU	15	25	5%			15000	
80-C0201C180J3G	C0201C180J3GACTU	18	25	5%			15000	
80-C0201C220J3G	C0201C220J3GACTU	22	25	5%			15000	
80-C0201C270J3G	C0201C270J3GACTU	27	25	5%			15000	
80-C0201C470J3G	C0201C470J3GACTU	47	25	5%			15000	
80-C0201C680J3G	C0201C680J3GACTU	68	25	5%			15000	
80-C0201C101J3G	C0201C101J3GACTU	100	25	5%			15000	
Temperature Coefficient: X5R								
80-C0201C103K4P	C0201C103K4PACTU	.01 μ F	16	10%			15000	
80-C0201C104K9P	C0201C104K9PACTU	.10 μ F	6.3	10%			15000	

CASE SIZE 0402

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol. \pm	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G								
80-C0402C508C5G	C0402C508C5GACTU	0.5	50	.25pF			10000	
80-C0402C109C5G	C0402C109C5GACTU	1	50	.25pF			10000	
80-C0402C129C5G	C0402C129C5GACTU	1.2	50	.25pF			10000	
80-C0402C159C5G	C0402C159C5GACTU	1.5	50	.25pF			10000	
80-C0402C189C5G	C0402C189C5GACTU	1.8	50	.25pF			10000	
80-C0402C209C5G	C0402C209C5GACTU	2	50	.25pF			10000	
80-C0402C229C5G	C0402C229C5GACTU	2.2	50	.25pF			10000	
80-C0402C279C5G	C0402C279C5GACTU	2.7	50	.25pF			10000	
80-C0402C309C5G	C0402C309C5GACTU	3	50	.25pF			10000	
80-C0402C339C5G	C0402C339C5GACTU	3.3	50	.25pF			10000	
80-C0402C399C5G	C0402C399C5GACTU	3.9	50	.25pF			10000	
80-C0402C479C3G	C0402C479C3GACTU	4.7	25	.25pF			10000	
80-C0402C479D5G	C0402C479D5GACTU	4.7	50	.5pF			10000	
80-C0402C479C5G	C0402C479C5GACTU	4.7	50	.25pF			10000	
80-C0402C519C5G	C0402C519C5GACTU	5.1	50	.25pF			10000	
80-C0402C569C5G	C0402C569C5GACTU	5.6	50	.25pF			10000	
80-C0402C569D5G	C0402C569D5GACTU	5.6	50	.5pF			10000	
80-C0402C689D5G	C0402C689D5GACTU	6.8	50	.5pF			10000	
80-C0402C689C5G	C0402C689C5GACTU	6.8	50	.25pF			10000	
80-C0402C829C5G	C0402C829C5GACTU	8.2	50	.25pF			10000	
80-C0402C829D5G	C0402C829D5GACTU	8.2	50	.5pF			10000	
80-C0402C919D5G	C0402C919D5GACTU	9.1	50	.5pF			10000	
80-C0402C100C5G	C0402C100C5GACTU	10	50	.25pF			10000	
80-C0402C100D5G	C0402C100D5GACTU	10	50	.5pF			10000	
80-C0402C100J5G	C0402C100J5GACTU	10	50	5%			10000	
80-C0402C110J5G	C0402C110J5GACTU	11	50	5%			10000	
80-C0402C120C5G	C0402C120C5GACTU	12	50	.25pF			10000	
80-C0402C120J5G	C0402C120J5GACTU	12	50	5%			10000	
80-C0402C150C5G	C0402C150C5GACTU	15	50	.25pF			10000	
80-C0402C150J5G	C0402C150J5GACTU	15	50	5%			10000	
80-C0402C180J5G	C0402C180J5GACTU	18	50	5%			10000	
80-C0402C200J5G	C0402C200J5GACTU	20	50	5%			10000	
80-C0402C220J3G	C0402C220J3GACTU	22	25	5%			10000	
80-C0402C220C5G	C0402C220C5GACTU	22	50	.25pF			10000	
80-C0402C220J5G	C0402C220J5GACTU	22	50	5%			10000	
80-C0402C240J5G	C0402C240J5GACTU	24	50	5%			10000	
80-C0402C270J5G	C0402C270J5GACTU	27	50	5%			10000	
80-C0402C330J3G	C0402C330J3GACTU	33	25	5%			10000	
80-C0402C330J5G	C0402C330J5GACTU	33	50	5%			10000	
80-C0402C360J5G	C0402C360J5GACTU	36	50	5%			10000	
80-C0402C390J5G	C0402C390J5GACTU	39	50	5%			10000	
80-C0402C470J3G	C0402C470J3GACTU	47	25	5%			10000	
80-C0402C470J5G	C0402C470J5GACTU	47	50	5%			10000	
80-C0402C560J5G	C0402C560J5GACTU	56	50	5%			10000	
80-C0402C680J5G	C0402C680J5GACTU	68	50	5%			10000	
80-C0402C750J5G	C0402C750J5GACTU	75	50	5%			10000	
80-C0402C820G3G	C0402C820G3GACTU	82	25	2%			10000	
80-C0402C820J3G	C0402C820J3GACTU	82	25	5%			10000	
80-C0402C820J5G	C0402C820J5GACTU	82	50	5%			10000	
80-C0402C910J5G	C0402C910J5GACTU	91	50	5%			10000	
80-C0402C101K3G	C0402C101K3GACTU	100	25	10%			10000	
80-C0402C101J5G	C0402C101J5GACTU	100	50	5%			10000	

CASE SIZE 0402 (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol. \pm	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: X7R								
80-C0402C123K8R	C0402C123K8RACTU	.012 μ F	10	10%			10000	
80-C0402C123K4R	C0402C123K4RACTU	.012 μ F	16	10%			10000	
80-C0402C153K8R	C0402C153K8RACTU	.015 μ F	10	10%			10000	
80-C0402C153K4R	C0402C153K4RACTU	.015 μ F	16	10%			10000	
80-C0402C183K4R	C0402C183K4RACTU	.018 μ F	16	10%			10000	
80-C0402C223K8R	C0402C223K8RACTU	.022 μ F	10	10%			10000	
80-C0402C223K4R	C0402C223K4RACTU	.022 μ F	16	10%			10000	
80-C0402C273K8R	C0402C273K8RACTU	.027 μ F	10	10%			10000	
80-C0402C273K4R	C0402C273K4RACTU	.027 μ F	16	10%			10000	
80-C0402C333K8R	C0402C333K8RACTU	.033 μ F	10	10%			10000	
80-C0402C333K4R	C0402C333K4RACTU	.033 μ F	16	10%			10000	
80-C0402C393K8R	C0402C393K8RACTU	.039 μ F	10	10%			10000	
80-C0402C393K4R	C0402C393K4RACTU	.039 μ F	16	10%			10000	
80-C0402C473K8R	C0402C473K8RACTU	.047 μ F	10	10%			10000	
80-C0402C473K4R	C0402C473K4RACTU	.047 μ F	16	10%			10000	
80-C0402C563K8R	C0402C563K8RACTU	.056 μ F	10	10%			10000	
80-C0402C563K4R	C0402C563K4RACTU	.056 μ F	16	10%			10000	
80-C0402C683K4R	C0402C683K4RACTU	.068 μ F	16	10%			10000	
80-C0402C823K8R	C0402C823K8RACTU	.082 μ F	10	10%			10000	
80-C0402C823K4R	C0402C823K4RACTU	.082 μ F	16	10%			10000	
80-C0402C104K8R	C0402C104K8RACTU	0.1 μ F	10	10%			10000	
80-C0402C104K4R	C0402C104K4RACTU	0.1 μ F	16	10%			10000	
80-C0402C151J5R	C0402C151J5RACTU	150	50	5%			10000	
80-C0402C151K5R	C0402C151K5RACTU	150	50	10%			10000	
80-C0402C151J3R	C0402C151J3RACTU	150	25	5%			10000	
80-C0402C181K5R	C0402C181K5RACTU	180	50	10%			10000	
80-C0402C221J5R	C0402C221J5RACTU	220	50	5%			10000	
80-C0402C221K5R	C0402C221K5RACTU	220	50	10%			10000	
80-C0402C271J5R	C0402C271J5RACTU	270	50	5%			10000	
80-C0402C271K5R	C0402C271K5RACTU	270	50	10%			10000	
80-C0402C331J5R	C0402C331J5RACTU	330	50	5%			10000	
80-C0402C331K5R	C0402C331K5RACTU	330	50	10%			10000	
80-C0402C391J5R	C0402C391J5RACTU	390	50	5%			10000	
80-C0402C391K5R	C0402C391K5RACTU	390	50	10%			10000	
80-C0402C471K3R	C0402C471K3RACTU	470	25	10%			10000	
80-C0402C471J5R	C0402C471J5RACTU	470	50	5%			10000	
80-C0402C471K5R	C0402C471K5RACTU	470	50	10%			10000	
80-C0402C561J5R	C0402C561J5RACTU	560	50	5%			10000	
80-C0402C561K5R	C0402C561K5RACTU	560	50	10%			10000	
80-C0402C681J5R	C0402C681J5RACTU	680	50	5%			10000	
80-C0402C681K5R	C0402C681K5RACTU	680	50	10%			10000	
80-C0402C821K5R	C0402C821K5RACTU	820	50	10%			10000	
80-C0402C102J5R	C0402C							

KEMET Multilayer Ceramic Chip Capacitors

CASE SIZE 0402 (CONT.)



RoHS Compliant

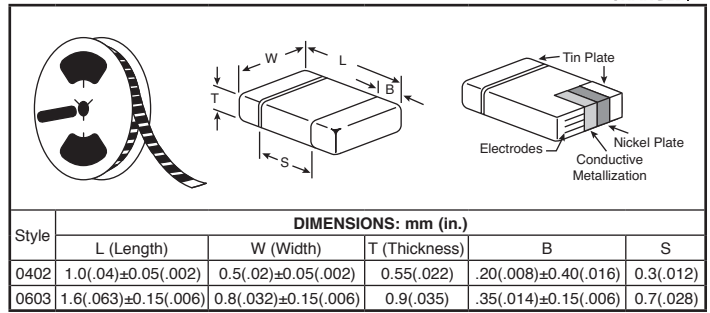
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: X7R (Cont.)								
80-C0402C682K3R	C0402C682K3RACTU	6800	25	10%			10000	
80-C0402C822K3R	C0402C822K3RACTU	8200	25	10%			10000	
80-C0402C103J3R	C0402C103J3RACTU	.01µF	25	5%			-	-
80-C0402C103K3R	C0402C103K3RACTU	.01µF	25	10%			-	-
80-C0402C103J5R	C0402C103J5RACTU	.01µF	50	5%			10000	
80-C0402C103K5R	C0402C103K5RACTU	.01µF	50	10%			-	-
Temperature Coefficient: X5R								
80-C0402C153K8P	C0402C153K8PACTU	.015µF	10	10%			10000	
80-C0402C223K8P	C0402C223K8PACTU	.022µF	10	10%			10000	
80-C0402C333K9P	C0402C333K9PACTU	.033µF	6.3	10%			10000	
80-C0402C333K8P	C0402C333K8PACTU	.033µF	10	10%			10000	
80-C0402C473K8P	C0402C473K8PACTU	.047µF	10	10%			10000	
80-C0402C104K9P	C0402C104K9PACTU	.1µF	6.3	10%			10000	
80-C0402C104K8P	C0402C104K8PACTU	.1µF	10	10%			10000	
80-C0402C104M8P	C0402C104M8PACTU	.1µF	10	20%			10000	
Temperature Coefficient: Y5V								
80-C0402C104Z4V	C0402C104Z4VACTU	.1µF	16	+80,-20			-	-
80-C0402C104M4V	C0402C104M4VACTU	.1µF	16	20%			10000	

CASE SIZE 0603

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G								
80-C0603C508C5G	C0603C508C5GACTU	0.50	50	.25pF			4000	
80-C0603C758C5G	C0603C758C5GACTU	0.75	50	.25pF			4000	
80-C0603C109C5G	C0603C109C5GACTU	1.0	50	.25pF			4000	
80-C0603C109C1G	C0603C109C1GACTU	1.0	100	.25pF			4000	
80-C0603C129C5G	C0603C129C5GACTU	1.2	50	.25pF			4000	
80-C0603C159C5G	C0603C159C5GACTU	1.5	50	.25pF			4000	
80-C0603C189C5G	C0603C189C5GACTU	1.8	50	.25pF			4000	
80-C0603C209C5G	C0603C209C5GACTU	2.0	50	.25pF			4000	
80-C0603C229C5G	C0603C229C5GACTU	2.2	50	.25pF			4000	
80-C0603C249C5G	C0603C249C5GACTU	2.4	50	.25pF			4000	
80-C0603C279D5G	C0603C279D5GACTU	2.7	50	.5pF			4000	
80-C0603C279C5G	C0603C279C5GACTU	2.7	50	.25pF			4000	
80-C0603C339C5G	C0603C339C5GACTU	3.3	50	.25pF			4000	
80-C0603C399C5G	C0603C399C5GACTU	3.9	50	.25pF			4000	
80-C0603C439C5G	C0603C439C5GACTU	4.3	50	.25pF			4000	
80-C0603C479D5G	C0603C479D5GACTU	4.7	50	.5pF			4000	
80-C0603C479C5G	C0603C479C5GACTU	4.7	50	.25pF			4000	
80-C0603C509C5G	C0603C509C5GACTU	5.0	50	.25pF			4000	
80-C0603C519C5G	C0603C519C5GACTU	5.1	50	.25pF			4000	
80-C0603C569C5G	C0603C569C5GACTU	5.6	50	.25pF			4000	
80-C0603C569K5G	C0603C569K5GACTU	5.6	50	10%			4000	
80-C0603C689C5G	C0603C689C5GACTU	6.8	50	.25pF			4000	
80-C0603C689J5G	C0603C689J5GACTU	6.8	50	5%			4000	
80-C0603C759C5G	C0603C759C5GACTU	7.5	50	.25pF			4000	
80-C0603C829D5G	C0603C829D5GACTU	8.2	50	.5pF			4000	
80-C0603C829C5G	C0603C829C5GACTU	8.2	50	.25pF			4000	
80-C0603C100C5G	C0603C100C5GACTU	10	50	.25pF			4000	
80-C0603C100D5G	C0603C100D5GACTU	10	50	.5pF			4000	
80-C0603C100J5G	C0603C100J5GACTU	10	50	5%			4000	
80-C0603C100K5G	C0603C100K5GACTU	10	50	10%			4000	
80-C0603C100J1G	C0603C100J1GACTU	10	100	5%			4000	
80-C0603C120C5G	C0603C120C5GACTU	12	50	.25pF			4000	
80-C0603C120J5G	C0603C120J5GACTU	12	50	5%			4000	
80-C0603C130J5G	C0603C130J5GACTU	13	50	5%			4000	
80-C0603C150G5G	C0603C150G5GACTU	15	50	2%			4000	
80-C0603C150J5G	C0603C150J5GACTU	15	50	5%			4000	
80-C0603C160J5G	C0603C160J5GACTU	16	50	5%			4000	
80-C0603C180C5G	C0603C180C5GACTU	18	50	.25pF			4000	
80-C0603C180J5G	C0603C180J5GACTU	18	50	5%			4000	
80-C0603C180K5G	C0603C180K5GACTU	18	50	10%			4000	
80-C0603C180J1G	C0603C180J1GACTU	18	100	5%			4000	
80-C0603C200J5G	C0603C200J5GACTU	20	50	5%			4000	
80-C0603C200K5G	C0603C200K5GACTU	20	50	10%			4000	
80-C0603C200J1G	C0603C200J1GACTU	20	100	5%			4000	
80-C0603C220G5G	C0603C220G5GACTU	22	50	2%			4000	
80-C0603C220J5G	C0603C220J5GACTU	22	50	5%			4000	
80-C0603C220K5G	C0603C220K5GACTU	22	50	10%			4000	
80-C0603C220J1G	C0603C220J1GACTU	22	100	5%			4000	
80-C0603C270G5G	C0603C270G5GACTU	27	50	2%			4000	
80-C0603C270J5G	C0603C270J5GACTU	27	50	5%			4000	
80-C0603C270K5G	C0603C270K5GACTU	27	50	10%			4000	
80-C0603C270J1G	C0603C270J1GACTU	27	100	5%			4000	
80-C0603C300J5G	C0603C300J5GACTU	30	50	5%			4000	
80-C0603C330G5G	C0603C330G5GACTU	33	50	2%			4000	
80-C0603C330J5G	C0603C330J5GACTU	33	50	5%			4000	
80-C0603C330K5G	C0603C330K5GACTU	33	50	10%			4000	
80-C0603C330J1G	C0603C330J1GACTU	33	100	5%			4000	



CASE SIZE 0603 (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G (Cont.)								
80-C0603C360J5G	C0603C360J5GACTU	36	50	5%			4000	
80-C0603C390G5G	C0603C390G5GACTU	39	50	2%			4000	
80-C0603C390J5G	C0603C390J5GACTU	39	50	5%			4000	
80-C0603C430G5G	C0603C430G5GACTU	43	50	2%			4000	
80-C0603C470J5G	C0603C470J5GACTU	47	50	5%			4000	
80-C0603C470K5G	C0603C470K5GACTU	47	50	5%			4000	
80-C0603C470D5G	C0603C470D5GACTU	47	50	.5pF			4000	
80-C0603C560G5G	C0603C560G5GACTU	56	50	2%			4000	
80-C0603C560J5G	C0603C560J5GACTU	56	50	5%			4000	
80-C0603C620J5G	C0603C620J5GACTU	62	50	5%			4000	
80-C0603C680G5G	C0603C680G5GACTU	68	50	2%			4000	
80-C0603C680J5G	C0603C680J5GACTU	68	50	5%			4000	
80-C0603C680J1G	C0603C680J1GACTU	68	100	5%			4000	
80-C0603C750J5G	C0603C750J5GACTU	75	50	5%			4000	
80-C0603C820J5G	C0603C820J5GACTU	82	50	5%			4000	
80-C0603C820K5G	C0603C820K5GACTU	82	50	10%			4000	
80-C0603C910J5G	C0603C910J5GACTU	91	50	5%			4000	
80-C0603C101J5G	C0603C101J5GACTU	100	50	5%			4000	
80-C0603C101K5G	C0603C101K5GACTU	100	50	10%			4000	
80-C0603C101J1G	C0603C101J1GACTU	100	100	5%			4000	
80-C0603C101K1G	C0603C101K1GACTU	100	100	10%			4000	
80-C0603C121G5G	C0603C121G5GACTU	120	50	2%			4000	
80-C0603C121J5G	C0603C121J5GACTU	120	50	5%			4000	
80-C0603C151G5G	C0603C151G5GACTU	150	50	2%			4000	
80-C0603C151J5G	C0603C151J5GACTU	150	50	5%			4000	
80-C0603C151J1G	C0603C151J1GACTU	150	100	5%			4000	
80-C0603C181J5G	C0603C181J5GACTU	180	50	5%			4000	
80-C0603C181J1G	C0603C181J1GACTU	180	100	5%			4000	
80-C0603C201J5G	C0603C201J5GACTU	200	50	5%			4000	
80-C0603C221G5G	C0603C221G5GACTU	220	50	2%			4000	
80-C0603C221J5G	C0603C221J5GACTU	220	50	5%			4000	
80-C0603C221K5G	C0603C221K5GACTU	220	50	10%			4000	
80-C0603C241J5G	C0603C241J5GACTU	240	50	5%			4000	
80-C0603C271J5G	C0603C271J5GACTU	270	50	5%			4000	
80-C0603C271K5G	C0603C271K5GACTU	270	50	10%			4000	
80-C0603C301J5G	C0603C301J5GACTU	300	50	5%			4000	
80-C0603C331J5G	C0603C331J5GACTU	330	50	5%			4000	
80-C0603C331K5G	C0603C331K5GACTU	330	50	10%			4000	
80-C0603C391J5G	C0603C391J5GACTU	390	50	5%			4000	
80-C0603C471J5G	C0603C471J5GACTU	470	50	5%			4000	
80-C0603C471K5G	C0603C471K5GACTU	470	50	10%			4000	
80-C0603C561J5G	C0603C561J5GACTU	560	50	5%				

KEMET Multilayer Ceramic Chip Capacitors

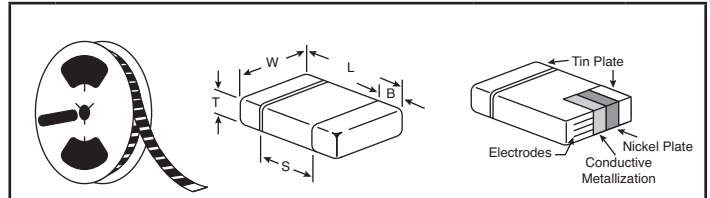
CASE SIZE 0603 (CONT.)



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G (Cont.)								
80-C0603C821K5R	C0603C821K5RACTU	820	50	10%			4000	
80-C0603C102J4R	C0603C102J4RACTU	1000	16	5%			4000	
80-C0603C102K4R	C0603C102K4RACTU	1000	16	10%			4000	
80-C0603C102J3R	C0603C102J3RACTU	1000	25	5%			4000	
80-C0603C102K3R	C0603C102K3RACTU	1000	25	10%			4000	
80-C0603C102J5R	C0603C102J5RACTU	1000	50	5%			4000	
80-C0603C102K5R	C0603C102K5RACTU	1000	50	10%			4000	
80-C0603C102M5R	C0603C102M5RACTU	1000	50	20%			4000	
80-C0603C102J1R	C0603C102J1RACTU	1000	100	5%			4000	
80-C0603C102K1R	C0603C102K1RACTU	1000	100	10%			4000	
80-C0603C122K5R	C0603C122K5RACTU	1200	50	10%			4000	
80-C0603C152K5R	C0603C152K5RACTU	1500	50	5%			4000	
80-C0603C152K5R	C0603C152K5RACTU	1500	50	10%			4000	
80-C0603C152K1R	C0603C152K1RACTU	1500	100	10%			4000	
80-C0603C182J5R	C0603C182J5RACTU	1800	50	5%			4000	
80-C0603C182K5R	C0603C182K5RACTU	1800	50	10%			4000	
80-C0603C222J5R	C0603C222J5RACTU	2200	50	5%			4000	
80-C0603C222K5R	C0603C222K5RACTU	2200	50	10%			4000	
80-C0603C222K1R	C0603C222K1RACTU	2200	100	10%			4000	
80-C0603C272J5R	C0603C272J5RACTU	2700	50	5%			4000	
80-C0603C272K5R	C0603C272K5RACTU	2700	50	10%			4000	
80-C0603C332J5R	C0603C332J5RACTU	3300	50	5%			4000	
80-C0603C332K5R	C0603C332K5RACTU	3300	50	10%			4000	
80-C0603C332K1R	C0603C332K1RACTU	3300	100	10%			4000	
80-C0603C392J5R	C0603C392J5RACTU	3900	50	5%			4000	
80-C0603C392K5R	C0603C392K5RACTU	3900	50	10%			4000	
80-C0603C472K4R	C0603C472K4RACTU	4700	16	10%			4000	
80-C0603C472J5R	C0603C472J5RACTU	4700	50	5%			4000	
80-C0603C472K5R	C0603C472K5RACTU	4700	50	10%			4000	
80-C0603C472K1R	C0603C472K1RACTU	4700	100	10%			4000	
80-C0603C562J5R	C0603C562J5RACTU	5600	50	5%			4000	
80-C0603C562K5R	C0603C562K5RACTU	5600	50	10%			4000	
80-C0603C562K1R	C0603C562K1RACTU	5600	100	10%			4000	
80-C0603C682J5R	C0603C682J5RACTU	6800	50	5%			4000	
80-C0603C682K5R	C0603C682K5RACTU	6800	50	10%			4000	
80-C0603C682K1R	C0603C682K1RACTU	6800	100	10%			4000	
80-C0603C822J5R	C0603C822J5RACTU	8200	50	5%			4000	
80-C0603C822K1R	C0603C822K1RACTU	8200	100	10%			4000	
80-C0603C153K5R	C0603C153K5RACTU	.015µF	25	10%			4000	
80-C0603C153K5R	C0603C153K5RACTU	.015µF	50	10%			4000	
80-C0603C183K5R	C0603C183K5RACTU	.018µF	50	10%			4000	
80-C0603C103K8R	C0603C103K8RACTU	.01µF	10	10%			4000	
80-C0603C103J4R	C0603C103J4RACTU	.01µF	16	5%			4000	
80-C0603C103K4R	C0603C103K4RACTU	.01µF	16	10%			4000	
80-C0603C103J3R	C0603C103J3RACTU	.01µF	25	5%			4000	
80-C0603C103K3R	C0603C103K3RACTU	.01µF	25	10%			4000	
80-C0603C103J5R	C0603C103J5RACTU	.01µF	50	5%			4000	
80-C0603C103K5R	C0603C103K5RACTU	.01µF	50	10%			4000	
80-C0603C103M5R	C0603C103M5RACTU	.01µF	50	20%			4000	
80-C0603C103J1R	C0603C103J1RACTU	.01µF	100	5%			4000	
80-C0603C103K1R	C0603C103K1RACTU	.01µF	100	10%			4000	
80-C0603C223K4R	C0603C223K4RACTU	.022µF	16	10%			4000	
80-C0603C223J3R	C0603C223J3RACTU	.022µF	25	5%			4000	
80-C0603C223K3R	C0603C223K3RACTU	.022µF	25	10%			4000	
80-C0603C223J5R	C0603C223J5RACTU	.022µF	50	5%			4000	
80-C0603C223K5R	C0603C223K5RACTU	.022µF	50	10%			4000	
80-C0603C273K3R	C0603C273K3RACTU	.027µF	25	10%			4000	
80-C0603C333K4R	C0603C333K4RACTU	.033µF	16	10%			4000	
80-C0603C333J3R	C0603C333J3RACTU	.033µF	25	5%			4000	
80-C0603C333K3R	C0603C333K3RACTU	.033µF	25	10%			4000	
80-C0603C393K3R	C0603C393K3RACTU	.039µF	25	10%			4000	
80-C0603C473K4R	C0603C473K4RACTU	.047µF	16	10%			4000	
80-C0603C473K3R	C0603C473K3RACTU	.047µF	25	10%			4000	
80-C0603C563J4R	C0603C563J4RACTU	.056µF	16	5%			4000	
80-C0603C563K3R	C0603C563K3RACTU	.056µF	25	10%			4000	
80-C0603C683J4R	C0603C683J4RACTU	.068µF	16	5%			4000	
80-C0603C683K4R	C0603C683K4RACTU	.068µF	16	10%			4000	
80-C0603C683K3R	C0603C683K3RACTU	.068µF	25	10%			4000	
80-C0603C104K8R	C0603C104K8RACTU	.1µF	10	10%			4000	
80-C0603C104J4R	C0603C104J4RACTU	.1µF	16	5%			4000	
80-C0603C104K4R	C0603C104K4RACTU	.1µF	16	10%			4000	
80-C0603C104M4R	C0603C104M4RACTU	.1µF	16	20%			4000	
80-C0603C104J3R	C0603C104J3RACTU	.1µF	25	5%			4000	
80-C0603C104K3R	C0603C104K3RACTU	.1µF	25	10%			4000	
80-C0603C104M3R	C0603C104M3RACTU	.1µF	25	20%			4000	
80-C0603C154K4R	C0603C154K4RACTU	.15µF	16	10%			4000	
80-C0603C224K4R	C0603C224K4RACTU	.22µF	16	10%			4000	
80-C0603C274K9R	C0603C274K9RACTU	.27µF	6.3	10%			4000	
80-C0603C274K8R	C0603C274K8RACTU	.27µF	10	10%			4000	
80-C0603C274K4R	C0603C274K4RACTU	.27µF	16	10%			4000	
80-C0603C334K9R	C0603C334K9RACTU	.33µF	6.3	10%			4000	
80-C0603C334K8R	C0603C334K8RACTU	.33µF	10	10%			4000	
80-C0603C334K4R	C0603C334K4RACTU	.33µF	16	10%			4000	



Style	DIMENSIONS: mm (in.)				
	L (Length)	W (Width)	T (Thickness)	B	S
0603	1.6(.063)±0.15(.006)	0.8(.032)±0.15(.006)	0.9 (.035)	.35(.014)±0.15(.006)	0.7(.028)
0805	2.0(.079)±0.2(.008)	1.25(.049)±0.2(.008)	1.3 (.051)	0.5(.02)±.25(.010)	0.75(.030)

CASE SIZE 0603 (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: X7R (Cont.)								
80-C0603C394K8R	C0603C394K8RACTU	.39µF	10	10%			4000	
80-C0603C394K4R	C0603C394K4RACTU	.39µF	16	10%			4000	
80-C0603C474K9R	C0603C474K9RACTU	.47µF	6.3	10%			4000	
80-C0603C474K8R	C0603C474K8RACTU	.47µF	10	10%			4000	
80-C0603C474K4R	C0603C474K4RACTU	.47µF	16	10%			4000	
Temperature Coefficient: X5R								
80-C0603C274K8P	C0603C274K8PACTU	.27µF	10	10%			4000	
80-C0603C334K8P	C0603C334K8PACTU	.33µF	10	10%			4000	
80-C0603C394K8P	C0603C394K8PACTU	.39µF	10	10%			4000	
80-C0603C474K8P	C0603C474K8PACTU	.47µF	10	10%			4000	
80-C0603C564K8P	C0603C564K8PACTU	.56µF	10	10%			4000	
80-C0603C684K8P	C0603C684K8PACTU	.68µF	10	10%			4000	
80-C0603C824K8P	C0603C824K8PACTU	.82µF	10	10%			4000	
80-C0603C225K9P	C0603C225K9PACTU	2.2µF	6.3	10%			4000	
80-C0603C225M9P	C0603C225M9PACTU	2.2µF	6.3	20%			4000	
Temperature Coefficient: Y5V								
80-C0603C473M3V	C0603C473M3VACTU	.047µF	25	20%			4000	
80-C0603C104Z4V	C0603C104Z4VACTU	.1µF	16	+80,-20			4000	
80-C0603C104M3V	C0603C104M3VACTU	.1µF	25	20%			4000	
80-C0603C104Z3V	C0603C104Z3VACTU	.1µF	25	+80,-20			4000	
80-C0603C154Z4V	C0603C154Z4VACTU	.15µF	16	+80,-20			4000	
80-C0603C154Z3V	C0603C154Z3VACTU	.15µF	25	+80,-20			4000	
80-C0603C224M4V	C0603C224M4VACTU	.22µF	16	20%			4000	
80-C0603C224Z4V	C0603C224Z4VACTU	.22µF	16	+80,-20			4000	
80-C0603C224M3V	C0603C224M3VACTU	.22µF	25	20%			4000	
80-C0603C334Z4V	C0603C334Z4VACTU	.33µF	16	+80,-20			4000	
80-C0603C334Z3V	C0603C334Z3VACTU	.33µF	25	+80,-20			4000	
80-C0603C474Z9V	C0603C474Z9VACTU	.47µF	6.3	+80,-20			4000	
80-C0603C684Z9V	C0603C684Z9VACTU	.68µF	6.3	+80,-20			4000	
80-C0603C684Z8V	C0603C684Z8VACTU	.68µF	10	+80,-20			4000	
80-C0603C474Z8V	C0603C474Z8VACTU	.47µF	10	+80,-20			4000	
80-C0603C105Z9V	C0603C105Z9VACTU	1.0µF	6.3	+80,-20			4000	

CASE SIZE 0805

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G								
80-C0805C109C5G	C0805C109C5GACTU	1.0	50	.25pF			4000	
80-C0805C109D1G	C0805C109D1GACTU	1.0	100	.5pF			4000	
80-C0805C189C5G	C0805C189C5GACTU	1.8	50	.25pF			4000	
80-C0805C209C5G	C0805C209C5GACTU	2.0	50	.25pF			4000	
80-C0805C229C5G	C0805C229C5GACTU	2.2	50	.25pF			4000	
80-C0805C229C1G	C0805C229C1GACTU	2.2	100	.25pF			4000	
80-C0805C279C5G	C0805C279C5GACTU	2.7	50	.25pF			4000	
80-C0805C279D5G	C0805C279D5GACTU	2.7	50	.5pF			4000	
80-C0805C339C5G	C0805C339C5GACTU	3.3	50	.25pF			4000	
80-C0805C399C5G	C0805C399C5GACTU	3.9	50	.25pF			4000	
80-C0805C479C5G	C0805C479C5GACTU	4.7	50	.25pF			4000	
80-C0805C479D5G	C0805C479D5GACTU	4.7	50	.5pF			4000	
80-C0805C569J5G	C0805C569J5GACTU	5.6	50	.5pF			4000	

KEMET Multilayer Ceramic Chip Capacitors



CASE SIZE 0805 (CONT.)

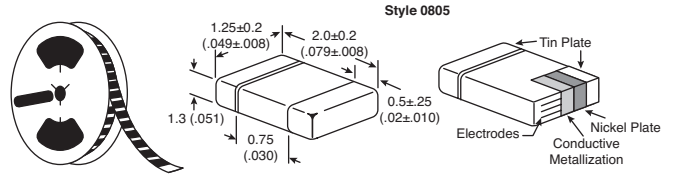


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G (Cont.)								
80-C0805C200J5G	C0805C200J5GACTU	20	50	5%			4000	
80-C0805C220G5G	C0805C220G5GACTU	22	50	2%			4000	
80-C0805C220J5G	C0805C220J5GACTU	22	50	5%			4000	
80-C0805C220K5G	C0805C220K5GACTU	22	50	10%			4000	
80-C0805C220J1G	C0805C220J1GACTU	22	100	5%			4000	
80-C0805C220K1G	C0805C220K1GACTU	22	100	10%			4000	
80-C0805C220J2G	C0805C220J2GACTU	22	200	5%			4000	
80-C0805C240J5G	C0805C240J5GACTU	24	50	5%			4000	
80-C0805C270G5G	C0805C270G5GACTU	27	50	2%			4000	
80-C0805C270J5G	C0805C270J5GACTU	27	50	5%			4000	
80-C0805C270K5G	C0805C270K5GACTU	27	50	10%			4000	
80-C0805C300J5G	C0805C300J5GACTU	30	50	5%			4000	
80-C0805C300J1G	C0805C300J1GACTU	30	100	5%			4000	
80-C0805C330F5G	C0805C330F5GACTU	33	50	1%			4000	
80-C0805C330G5G	C0805C330G5GACTU	33	50	2%			4000	
80-C0805C330J5G	C0805C330J5GACTU	33	50	5%			4000	
80-C0805C330K5G	C0805C330K5GACTU	33	50	10%			4000	
80-C0805C330J1G	C0805C330J1GACTU	33	100	5%			4000	
80-C0805C390G5G	C0805C390G5GACTU	39	50	2%			4000	
80-C0805C390J5G	C0805C390J5GACTU	39	50	5%			4000	
80-C0805C470G5G	C0805C470G5GACTU	47	50	2%			4000	
80-C0805C470J5G	C0805C470J5GACTU	47	50	5%			4000	
80-C0805C470K5G	C0805C470K5GACTU	47	50	10%			4000	
80-C0805C470J1G	C0805C470J1GACTU	47	100	5%			4000	
80-C0805C510J5G	C0805C510J5GACTU	51	50	5%			4000	
80-C0805C560J5G	C0805C560J5GACTU	56	50	5%			4000	
80-C0805C680G5G	C0805C680G5GACTU	68	50	2%			4000	
80-C0805C680J5G	C0805C680J5GACTU	68	50	5%			4000	
80-C0805C750J5G	C0805C750J5GACTU	75	50	5%			4000	
80-C0805C820G5G	C0805C820G5GACTU	82	50	2%			4000	
80-C0805C820J5G	C0805C820J5GACTU	82	50	5%			4000	
80-C0805C820J1G	C0805C820J1GACTU	82	100	5%			4000	
80-C0805C910J1G	C0805C910J1GACTU	91	100	5%			4000	
80-C0805C101G5G	C0805C101G5GACTU	100	50	2%			4000	
80-C0805C101J5G	C0805C101J5GACTU	100	50	5%			4000	
80-C0805C101K5G	C0805C101K5GACTU	100	50	10%			4000	
80-C0805C101G1G	C0805C101G1GACTU	100	100	2%			4000	
80-C0805C101J1G	C0805C101J1GACTU	100	100	5%			4000	
80-C0805C101K1G	C0805C101K1GACTU	100	100	10%			4000	
80-C0805C101J2G	C0805C101J2GACTU	100	200	5%			4000	
80-C0805C121G5G	C0805C121G5GACTU	120	50	2%			4000	
80-C0805C121J5G	C0805C121J5GACTU	120	50	5%			4000	
80-C0805C151G5G	C0805C151G5GACTU	150	50	2%			4000	
80-C0805C151J5G	C0805C151J5GACTU	150	50	5%			4000	
80-C0805C151J1G	C0805C151J1GACTU	150	100	5%			4000	
80-C0805C181G5G	C0805C181G5GACTU	180	50	2%			4000	
80-C0805C181J5G	C0805C181J5GACTU	180	50	5%			4000	
80-C0805C181J1G	C0805C181J1GACTU	180	100	5%			4000	
80-C0805C201J5G	C0805C201J5GACTU	200	50	5%			4000	
80-C0805C221J5G	C0805C221J5GACTU	220	50	5%			4000	
80-C0805C221K5G	C0805C221K5GACTU	220	50	10%			4000	
80-C0805C221G1G	C0805C221G1GACTU	220	100	2%			4000	
80-C0805C221J1G	C0805C221J1GACTU	220	100	5%			4000	
80-C0805C221K1G	C0805C221K1GACTU	220	100	10%			4000	
80-C0805C271J5G	C0805C271J5GACTU	270	50	5%			4000	
80-C0805C271J1G	C0805C271J1GACTU	270	100	5%			4000	
80-C0805C301J5G	C0805C301J5GACTU	300	50	5%			4000	
80-C0805C331G5G	C0805C331G5GACTU	330	50	2%			4000	
80-C0805C331J5G	C0805C331J5GACTU	330	50	5%			4000	
80-C0805C331K5G	C0805C331K5GACTU	330	50	10%			4000	
80-C0805C331J1G	C0805C331J1GACTU	330	100	5%			4000	
80-C0805C331K1G	C0805C331K1GACTU	330	100	10%			4000	
80-C0805C391J5G	C0805C391J5GACTU	390	50	5%			4000	
80-C0805C471G5G	C0805C471G5GACTU	470	50	2%			4000	
80-C0805C471J5G	C0805C471J5GACTU	470	50	5%			4000	
80-C0805C471K5G	C0805C471K5GACTU	470	50	10%			4000	
80-C0805C471J1G	C0805C471J1GACTU	470	100	5%			4000	
80-C0805C471J2G	C0805C471J2GACTU	470	200	5%			4000	
80-C0805C561G5G	C0805C561G5GACTU	560	50	2%			4000	
80-C0805C561J5G	C0805C561J5GACTU	560	50	5%			4000	
80-C0805C681G5G	C0805C681G5GACTU	680	50	2%			4000	
80-C0805C681J5G	C0805C681J5GACTU	680	50	5%			4000	
80-C0805C681K5G	C0805C681K5GACTU	680	50	10%			4000	
80-C0805C681J1G	C0805C681J1GACTU	680	100	5%			4000	
80-C0805C751J5G	C0805C751J5GACTU	750	50	5%			4000	
80-C0805C821G5G	C0805C821G5GACTU	820	50	2%			4000	
80-C0805C821J5G	C0805C821J5GACTU	820	50	5%			4000	
80-C0805C821J1G	C0805C821J1GACTU	820	100	5%			4000	
80-C0805C102G5G	C0805C102G5GACTU	1000	50	2%			4000	
80-C0805C102J5G	C0805C102J5GACTU	1000	50	5%			4000	
80-C0805C102K5G	C0805C102K5GACTU	1000	50	10%			4000	
80-C0805C102J1G	C0805C102J1GACTU	1000	100	5%			4000	

DIMENSIONS: mm (in.)



CASE SIZE 0805 (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G (Cont.)								
80-C0805C122G5G	C0805C122G5GACTU	1200	50	2%			4000	
80-C0805C122J5G	C0805C122J5GACTU	1200	50	5%			4000	
80-C0805C152G5G	C0805C152G5GACTU	1500	50	2%			4000	
80-C0805C152J5G	C0805C152J5GACTU	1500	50	5%			4000	
80-C0805C182G5G	C0805C182G5GACTU	1800	50	2%			4000	
80-C0805C182J5G	C0805C182J5GACTU	1800	50	5%			4000	
Temperature Coefficient: X7R								
80-C0805C221K5R	C0805C221K5RACTU	220	50	10%			4000	
80-C0805C331K5R	C0805C331K5RACTU	330	50	10%			4000	
80-C0805C471K5R	C0805C471K5RACTU	470	50	10%			4000	
80-C0805C471K1R	C0805C471K1RACTU	470	100	10%			4000	
80-C0805C561K5R	C0805C561K5RACTU	560	50	10%			4000	
80-C0805C681K5R	C0805C681K5RACTU	680	50	10%			4000	
80-C0805C681K1R	C0805C681K1RACTU	680	100	10%			4000	
80-C0805C821K5R	C0805C821K5RACTU	820	50	10%			4000	
80-C0805C102J5R	C0805C102J5RACTU	1000	50	5%			4000	
80-C0805C102K5R	C0805C102K5RACTU	1000	50	10%			4000	
80-C0805C102M5R	C0805C102M5RACTU	1000	50	20%			4000	
80-C0805C102J1R	C0805C102J1RACTU	1000	100	5%			4000	
80-C0805C102K1R	C0805C102K1RACTU	1000	100	10%			4000	
80-C0805C102K2R	C0805C102K2RACTU	1000	200	10%			4000	
80-C0805C122K5R	C0805C122K5RACTU	1200	50	10%			4000	
80-C0805C152J5R	C0805C152J5RACTU	1500	50	5%			4000	
80-C0805C152K5R	C0805C152K5RACTU	1500	50	10%			4000	
80-C0805C152K1R	C0805C152K1RACTU	1500	100	10%			4000	
80-C0805C202K5R	C0805C202K5RACTU	2000	50	10%			4000	
80-C0805C222J5R	C0805C222J5RACTU	2200	50	5%			4000	
80-C0805C222K5R	C0805C222K5RACTU	2200	50	10%			4000	
80-C0805C222K1R	C0805C222K1RACTU	2200	100	10%			4000	
80-C0805C222K2R	C0805C222K2RACTU	2200	200	10%			4000	
80-C0805C272K5R	C0805C272K5RACTU	2700	50	10%			4000	
80-C0805C272K1R	C0805C272K1RACTU	2700	100	10%			4000	
80-C0805C332J5R	C0805C332J5RACTU	3300	50	5%			4000	
80-C0805C332K5R	C0805C332K5RACTU	3300	50	10%			4000	
80-C0805C332K1R	C0805C332K1RACTU	3300	100	10%			4000	
80-C0805C392J5R	C0805C392J5RACTU	3900	50	5%			4000	
80-C0805C392K5R	C0805C392K5RACTU	3900	50	10%			4000	
80-C0805C472J5R	C0805C472J5RACTU	4700	50	5%			4000	
80-C0805C472K5R	C0805C472K5RACTU	4700	50	10%			4000	
80-C0805C472J1R	C0805C472J1RACTU	4700	100	5%			4000	
80-C0805C472K1R	C0805C472K1RACTU	4700	100	10%			4000	
80-C0805C472K2R	C0805C472K2RACTU	4700	200	10%			4000	
80-C0805C562J5R	C0805C562J5RACTU	5600	50	5%			4000	
80-C0805C562K5R	C0805C562K5RACTU	5600	50	10%			4000	
80-C0805C682J5R	C0805C682J5RACTU	6800	50	5%			4000	
80-C0805C682K5R	C0805C682K5RACTU	6800	50	10%			4000	
80-C0805C822J5R	C0805C822J5RACTU	8200	50	5%			4000	
80-C0805C822K5R	C0805C822K5RACTU	8200	50	10%			4000	
80-C0805C123K5R	C0805C123K5RACTU	.012µF	50	10%			4000	
80-C0805C153J5R	C0805C153J5RACTU	.015µF	50	5%			4000	
80-C0805C153K5R	C0805C153K5RACTU	.015µF	50	10%			4000	
80-C0805C153K1R	C0805C153K1RACTU	.015µF	100	10%			4000	
80-C0805C183K5R	C0805C183K5RACTU	.018µF	50	10%			4000	
80-C0805C103J5R	C0805							

KEMET Multilayer Ceramic Chip Capacitors

CASE SIZE 0805 (CONT.)



RoHS Compliant

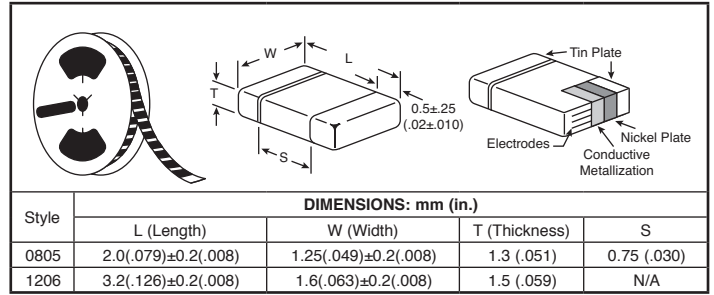
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol. ±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: X7R								
80-C0805C224J4R	C0805C224J4RACTU	.22µF	16	5%			4000	
80-C0805C224K4R	C0805C224K4RACTU	.22µF	16	10%			4000	
80-C0805C224J3R	C0805C224J3RACTU	.22µF	25	5%			4000	
80-C0805C224K3R	C0805C224K3RACTU	.22µF	25	10%			4000	
80-C0805C274K4R	C0805C274K4RACTU	.27µF	16	10%			4000	
80-C0805C274K3R	C0805C274K3RACTU	.27µF	25	10%			4000	
80-C0805C334J4R	C0805C334J4RACTU	.33µF	16	5%			2500	
80-C0805C334K4R	C0805C334K4RACTU	.33µF	16	10%			2500	
80-C0805C334K3R	C0805C334K3RACTU	.33µF	25	10%			2500	
80-C0805C394K4R	C0805C394K4RACTU	.39µF	16	10%			2500	
80-C0805C474J4R	C0805C474J4RACTU	.47µF	16	5%			2500	
80-C0805C474K4R	C0805C474K4RACTU	.47µF	16	10%			2500	
80-C0805C474J3R	C0805C474J3RACTU	.47µF	25	5%			2500	
80-C0805C474K3R	C0805C474K3RACTU	.47µF	25	10%			2500	
80-C0805C564K8R	C0805C564K8RACTU	.56µF	10	10%			2500	
80-C0805C684K8R	C0805C684K8RACTU	.68µF	10	10%			2500	
80-C0805C104K5R	C0805C104K5RACTU	0.1µF	50	10%			4000	
80-C0805C104M5R	C0805C104M5RACTU	0.1µF	50	20%			4000	
80-C0805C105K8R	C0805C105K8RACTU	1.0µF	10	10%			4000	
80-C0805C125K8R	C0805C125K8RACTU	1.2µF	10	10%			2500	
80-C0805C125K4R	C0805C125K4RACTU	1.2µF	16	10%			2500	
80-C0805C155K8R	C0805C155K8RACTU	1.5µF	10	10%			2500	
80-C0805C155K4R	C0805C155K4RACTU	1.5µF	16	10%			2500	
Temperature Coefficient: X5R								
80-C0805C125K9P	C0805C125K9PACTU	1.2µF	6.3	10%			4000	
80-C0805C125K8P	C0805C125K8PACTU	1.2µF	10	10%			4000	
80-C0805C155K9P	C0805C155K9PACTU	1.5µF	6.3	10%			2500	
80-C0805C155K8P	C0805C155K8PACTU	1.5µF	10	10%			2500	
80-C0805C185K9P	C0805C185K9PACTU	1.8µF	6.3	10%			4000	
80-C0805C275K8P	C0805C275K8PACTU	2.7µF	10	10%			2500	
80-C0805C335K9P	C0805C335K9PACTU	3.3µF	6.3	10%			2500	
80-C0805C335K8P	C0805C335K8PACTU	3.3µF	10	10%			2500	
80-C0805C395K9P	C0805C395K9PACTU	3.9µF	6.3	10%			2500	
80-C0805C395K8P	C0805C395K8PACTU	3.9µF	10	10%			2500	
80-C0805C685K9P	C0805C685K9PACTU	6.8µF	6.3	10%			2500	
Temperature Coefficient: Z5U								
80-C0805C103M5U	C0805C103M5UACTU	.01µF	50	20%			4000	
80-C0805C103Z5U	C0805C103Z5UACTU	.01µF	50	+80,-20			4000	
80-C0805C104M5U	C0805C104M5UACTU	0.1µF	50	20%			4000	
80-C0805C104Z5U	C0805C104Z5UACTU	0.1µF	50	+80,-20			4000	
Temperature Coefficient: Y5V								
80-C0805C224Z3V	C0805C224Z3VACTU	.22µF	25	+80,-20			4000	
80-C0805C334Z4V	C0805C334Z4VACTU	.33µF	16	+80,-20			4000	
80-C0805C474Z4V	C0805C474Z4VACTU	.47µF	16	+80,-20			4000	
80-C0805C474M3V	C0805C474M3VACTU	.47µF	25	20%			4000	
80-C0805C104Z3V	C0805C104Z3VACTU	0.1µF	25	+80,-20			4000	
80-C0805C104M5V	C0805C104M5VACTU	0.1µF	50	20%			4000	
80-C0805C104Z5V	C0805C104Z5VACTU	0.1µF	50	+80,-20			4000	
80-C0805C105M4V	C0805C105M4VACTU	1.0µF	16	20%			2500	
80-C0805C105Z4V	C0805C105Z4VACTU	1.0µF	16	+80,-20			2500	
80-C0805C105Z3V	C0805C105Z3VACTU	1.0µF	25	+80,-20			2500	
80-C0805C155Z4V	C0805C155Z4VACTU	1.5µF	16	+80,-20			2500	
80-C0805C335Z8V	C0805C335Z8VACTU	3.3µF	10	+80,-20			2500	

CASE SIZE 1206

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G								
80-C1206C109C5G	C1206C109C5GACTU	1.0	50	.25pF			4000	
80-C1206C159C5G	C1206C159C5GACTU	1.5	50	.25pF			4000	
80-C1206C189C5G	C1206C189C5GACTU	1.8	50	.25pF			4000	
80-C1206C209C5G	C1206C209C5GACTU	2.0	50	.25pF			4000	
80-C1206C229C5G	C1206C229C5GACTU	2.2	50	.25pF			4000	
80-C1206C309D5G	C1206C309D5GACTU	3.0	50	.5pF			4000	
80-C1206C339C5G	C1206C339C5GACTU	3.3	50	.25pF			4000	
80-C1206C399C5G	C1206C399C5GACTU	3.9	50	.25pF			4000	
80-C1206C479K5G	C1206C479K5GACTU	4.7	50	10%			4000	
80-C1206C479C5G	C1206C479C5GACTU	4.7	50	.25pF			4000	
80-C1206C509D5G	C1206C509D5GACTU	5.0	50	.5pF			4000	
80-C1206C519C5G	C1206C519C5GACTU	5.1	50	.25pF			4000	
80-C1206C569J5G	C1206C569J5GACTU	5.6	50	5%			4000	
80-C1206C569C5G	C1206C569C5GACTU	5.6	50	.25pF			4000	
80-C1206C689D5G	C1206C689D5GACTU	6.8	50	.5pF			4000	
80-C1206C759D5G	C1206C759D5GACTU	7.5	50	.5pF			4000	
80-C1206C829J5G	C1206C829J5GACTU	8.2	50	5%			4000	
80-C1206C829D5G	C1206C829D5GACTU	8.2	50	.5pF			4000	
80-C1206C100J5G	C1206C100J5GACTU	10	50	5%			4000	
80-C1206C100J1G	C1206C100J1GACTU	10	100	5%			4000	
80-C1206C100D1G	C1206C100D1GACTU	10	100	.5pF			4000	
80-C1206C120J5G	C1206C120J5GACTU	12	50	5%			4000	
80-C1206C120J1G	C1206C120J1GACTU	12	100	5%			4000	
80-C1206C150J5G	C1206C150J5GACTU	15	50	5%			4000	

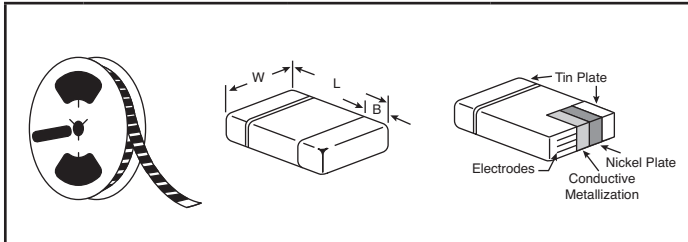


CASE SIZE 1206 (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G (Cont.)								
80-C1206C150K5G	C1206C150K5GACTU	15	50	10%			4000	
80-C1206C180J5G	C1206C180J5GACTU	18	50	5%			4000	
80-C1206C200J5G	C1206C200J5GACTU	20	50	5%			4000	
80-C1206C200J1G	C1206C200J1GACTU	20	100	5%			4000	
80-C1206C220J5G	C1206C220J5GACTU	22	50	5%			4000	
80-C1206C220K5G	C1206C220K5GACTU	22	50	10%			4000	
80-C1206C220K1G	C1206C220K1GACTU	22	100	10%			4000	
80-C1206C240J1G	C1206C240J1GACTU	24	100	5%			4000	
80-C1206C270J5G	C1206C270J5GACTU	27	50	5%			4000	
80-C1206C270K5G	C1206C270K5GACTU	27	50	10%			4000	
80-C1206C330G5G	C1206C330G5GACTU	33	50	2%			4000	
80-C1206C330J5G	C1206C330J5GACTU	33	50	5%			4000	
80-C1206C330K5G	C1206C330K5GACTU	33	50	10%			4000	
80-C1206C330J1G	C1206C330J1GACTU	33	100	5%			4000	
80-C1206C330K2G	C1206C330K2GACTU	33	200	10%			4000	
80-C1206C390J5G	C1206C390J5GACTU	39	50	5%			4000	
80-C1206C390J1G	C1206C390J1GACTU	39	100	5%			4000	
80-C1206C470G5G	C1206C470G5GACTU	47	50	2%			4000	
80-C1206C470J5G	C1206C470J5GACTU	47	50	5%			4000	
80-C1206C470K5G	C1206C470K5GACTU	47	50	10%			4000	
80-C1206C470J1G	C1206C470J1GACTU	47	100	5%			4000	
80-C1206C470K2G	C1206C470K2GACTU	47	200	10%			4000	
80-C1206C510J5G	C1206C510J5GACTU	51	50	5%			4000	
80-C1206C560J5G	C1206C560J5GACTU	56	50	5%			4000	
80-C1206C620J1G	C1206C620J1GACTU	62	100	5%			4000	
80-C1206C680J5G	C1206C680J5GACTU	68	50	5%			4000	
80-C1206C680M5G	C1206C680M5GACTU	68	50	20%			4000	
80-C1206C680J1G	C1206C680J1GACTU	68	100	5%			4000	
80-C1206C820J5G	C1206C820J5GACTU	82	50	5%			4000	
80-C1206C101G5G	C1206C101G5GACTU	100	50	2%			4000	
80-C1206C101J5G	C1206C101J5GACTU	100	50	5%			4000	
80-C1206C101K5G	C1206C101K5GACTU	100	50	10%			4000	
80-C1206C101J1G	C1206C101J1GACTU	100	100	5%			4000	
80-C1206C101K1G	C1206C101K1GACTU	100	100	10%			4000	
80-C1206C101K2G	C1206C101K2GACTU	100	200	10%			4000	
80-C1206C121J5G	C1206C121J5GACTU	120	50	5%			4000	
80-C1206C121J1G	C1206C121J1GACTU	120	100	5%			4000	
80-C1206C151J5G	C1206C151J5GACTU	150	50	2%			4000	
80-C1206C151J5G	C1206C151J5GACTU	150	50	5%			4000	
80-C1206C151K5G	C1206C151K5GACTU	150	50	10%			4000	
80-C1206C151J2G	C1206C151J2GACTU	150	200	5%			4000	
80-C1206C181J5G	C1206C181J5GACTU	180	50	5%			4000	
80-C1206C181K5G	C1206C181K5GACTU	180	50	10%			4000	
80-C1206C181J1G	C1206C181J1GACTU	180	100	5%			4000	
80-C1206C201J1G	C1206C201J1GACTU	200	100	5%			4000	
80-C1206C221G5G	C1206C221G5GACTU	220	50	2%			4000	
80-C1206C221J5G	C1206C221J5GACTU	220	50	5%			4000	
80-C1206C221K5G	C1206C221K5GACTU	220	50	10%			4000	
80-C1206C221J2G	C1206C221J2GACTU	220	200	5%			4000	
80-C1206C271J5G	C1206C271J5GACTU	270	50	5%			4000	
80-C1206C271K5G	C1206C271K5GACTU	270	50	10%			4000	
80-C1206C271J1G	C1206C271J1GACTU	270	100	5%			4000	
80-C1206C271J2G	C1206C271J2GACTU	270	200	5%			4000	
80-C1206C331G5G								

KEMET Ceramic Chip Capacitors



DIMENSIONS: mm (in.)			
Style	L	W	B
1206	3.2±0.2 (.126±.008)	1.6±0.2 (.063±.008)	0.5±.25 (.02±.010)
1210	3.2±0.2 (.126±.008)	2.5±0.2 (.098±.008)	0.5±.25 (.02±.010)

CASE SIZE 1206 (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: COG (Cont.)								
80-C1206C821K5G	C1206C821K5GACTU	820	50	10%			4000	
80-C1206C102G5G	C1206C102G5GACTU	1000	50	2%			4000	
80-C1206C102J5G	C1206C102J5GACTU	1000	50	5%			4000	
80-C1206C102J1G	C1206C102J1GACTU	1000	100	5%			4000	
80-C1206C102K5G	C1206C102K5GACTU	1000	50	10%			4000	
80-C1206C102K1G	C1206C102K1GACTU	1000	100	10%			4000	
80-C1206C102K2G	C1206C102K2GACTU	1000	200	10%			2500	
80-C1206C122J5G	C1206C122J5GACTU	1200	50	5%			4000	
80-C1206C122J1G	C1206C122J1GACTU	1200	100	5%			4000	
80-C1206C152J5G	C1206C152J5GACTU	1500	50	5%			4000	
80-C1206C152J1G	C1206C152J1GACTU	1500	100	5%			2500	
80-C1206C152K5G	C1206C152K5GACTU	1500	50	10%			4000	
80-C1206C182J5G	C1206C182J5GACTU	1800	50	5%			4000	
80-C1206C222G5G	C1206C222G5GACTU	2200	50	2%			4000	
80-C1206C222J5G	C1206C222J5GACTU	2200	50	5%			4000	
80-C1206C222J1G	C1206C222J1GACTU	2200	100	5%			2500	
80-C1206C222K5G	C1206C222K5GACTU	2200	50	10%			4000	
80-C1206C272J1G	C1206C272J1GACTU	2700	100	5%			4000	
80-C1206C272K5G	C1206C272K5GACTU	2700	50	10%			4000	
80-C1206C332G5G	C1206C332G5GACTU	3300	50	2%			4000	
80-C1206C332J5G	C1206C332J5GACTU	3300	50	5%			4000	
80-C1206C392J5G	C1206C392J5GACTU	3900	50	5%			4000	
80-C1206C472G5G	C1206C472G5GACTU	4700	50	2%			4000	
80-C1206C472J5G	C1206C472J5GACTU	4700	50	5%			4000	
80-C1206C562J5G	C1206C562J5GACTU	5600	50	5%			2500	
Temperature Coefficient: X5R								
80-C1206C106K9P	C1206C106K9PACTU	10µF	6.3	10%			2000	
80-C1206C225K4P	C1206C225K4PACTU	2.2µF	16	10%			2500	
80-C1206C335K4P	C1206C335K4PACTU	3.3µF	16	10%			2000	
80-C1206C335K3P	C1206C335K3PACTU	3.3µF	25	10%			2000	
80-C1206C395K3P	C1206C395K3PACTU	3.9µF	25	10%			2000	
80-C1206C475K8P	C1206C475K8PACTU	4.7µF	10	10%			2000	
80-C1206C685K9P	C1206C685K9PACTU	6.8µF	6.3	10%			2000	
Temperature Coefficient: Z5U								
80-C1206C104M5U	C1206C104M5UACTU	0.1µF	50	20%			4000	
80-C1206C104Z5U	C1206C104Z5UACTU	0.1µF	50	+80, -20			4000	
80-C1206C105M4V	C1206C105M4VACTU	1.0µF	16	20%			4000	

CASE SIZE 1210

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: COG								
80-C1210C332J5G	C1210C332J5GACTU	3300	50	5%			4000	
Temperature Coefficient: X7R								
80-C1210C103K5R	C1210C103K5RACTU	.01µF	50	10%			4000	
80-C1210C103K1R	C1210C103K1RACTU	.01µF	100	10%			4000	
80-C1210C103K2R	C1210C103K2RACTU	.01µF	200	10%			4000	
80-C1210C223K5R	C1210C223K5RACTU	.022µF	50	10%			4000	
80-C1210C223K1R	C1210C223K1RACTU	.022µF	100	10%			4000	
80-C1210C224K5R	C1210C224K5RACTU	.22µF	50	10%			2500	
80-C1210C334K5R	C1210C334K5RACTU	.33µF	50	10%			2500	
80-C1210C474K5R	C1210C474K5RACTU	.47µF	50	10%			4000	
80-C1210C684K5R	C1210C684K5RACTU	.68µF	50	10%			4000	
80-C1210C104K5R	C1210C104K5RACTU	0.1µF	50	10%			4000	
80-C1210C104K1R	C1210C104K1RACTU	0.1µF	100	10%			2500	
80-C1210C104K2R	C1210C104K2RACTU	0.1µF	200	10%			2500	
80-C1210C155K3R	C1210C155K3RACTU	1.5µF	25	10%			2000	
Temperature Coefficient: X5R								
80-C1210C125K3P	C1210C125K3PACTU	1.2µF	25	10%			4000	
80-C1210C106K8P	C1210C106K8PACTU	10µF	10	10%			2000	
80-C1210C126K8P	C1210C126K8PACTU	12µF	10	10%			4000	
80-C1210C156K8P	C1210C156K8PACTU	15µF	10	10%			2500	
80-C1210C225K3P	C1210C225K3PACTU	2.2µF	25	10%			2500	
80-C1210C226K8P	C1210C226K8PACTU	22µF	10	10%			2000	
80-C1210C335K4P	C1210C335K4PACTU	3.3µF	16	10%			2000	
80-C1210C335K3P	C1210C335K3PACTU	3.3µF	25	10%			2000	
80-C1210C475K8P	C1210C475K8PACTU	4.7µF	10	10%			2000	
80-C1210C565K4P	C1210C565K4PACTU	5.6µF	16	10%			2500	
80-C1210C685K4P	C1210C685K4PACTU	6.8µF	16	10%			2000	
80-C1210C825K4P	C1210C825K4PACTU	8.2µF	16	10%			2000	

KPS SERIES

Features:

- Extremely low ESR and ESL
- Non-polar device, minimizing installation concerns
- Available in X7R dielectric for thermal protection up to 125°C
- Commercial or Automotive (AEC-Q200) grade available
- Double the capacitance in the same footprint, reduced board space

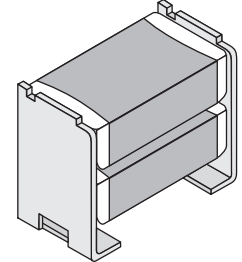
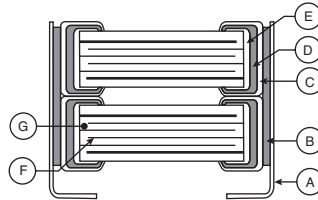
Applications:

- Industrial, Automotive, Military, Telecom
- Smoothing circuits
- DC to DC converters
- Power supplier (input/output filters)
- To reduce noise (piezoelectric/mechanical)
- To increase flex resistance in board flex applications

*Single Chip Stack



RoHS Compliant



Cutaway Legend

Ref	Name	Material
A	Leadframe	Phosphor Bronze-Alloy 510
B	Leadframe Attach	High Temp Solder
C	Termination	Cu
D	Termination	Ni
E	Termination	Sn
F	Electrode	Ni
G	Dielectric	BaTiO3

AUTOMOTIVE GRADE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.± (%)	Price Each		Reel Qty.	Price Per Piece
					1	100		
1210 X7R								
* 80-C1210C105K1R1CAUTO	C1210C105K1R1CAUTO	1	100	10			600	
1812 X7R								
80-C1812C106M3R2CAUTO	C1812C106M3R2CAUTO	10	25	20			400	
80-C1812C226M4R2CAUTO	C1812C226M4R2CAUTO	22	16	20			400	
80-C1812C335M5R2CAUTO	C1812C335M5R2CAUTO	3.3	50	20			400	
2220 X7R								
* 80-C2220C335K5R1CAUTO	C2220C335K5R1CAUTO	3.3	50	10			300	
* 80-C2220C106K5R1CAUTO	C2220C106K5R1CAUTO	10	50	10			300	
80-C2220C106M5R2CAUTO	C2220C106M5R2CAUTO	10	50	20			200	
80-C2220C226M5R2CAUTO	C2220C226M5R2CAUTO	22	50	20			200	
80-C2220C476M3R2CAUTO	C2220C476M3R2CAUTO	47	25	20			200	

COMMERCIAL GRADE



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.± (%)	Price Each		Reel Qty.	Price Per Piece
					1	100		
1210 X7R								
* 80-C1210C105K1R1CT500	C1210C105K1R1CT500	1	100	10			500	
* 80-C1210C225K1R1CT500	C1210C225K1R1CT500	2.2	100	10			500	
* 80-C1210C475K5R1CT500	C1210C475K5R1CT500	4.7	50	10			500	
80-C1210C475M1R2CT500	C1210C475M1R2CT500	4.7	100	20			500	
80-C1210C476M8R2CT500	C1210C476M8R2CT500	47	100	20			500	
1812 X7R								
80-C1812C474MAR2C	C1812C474MAR2CT500	0.47	250	20			500	
80-C1812C335M5R2C	C1812C335M5R2CT500	3.3	50	20			500	
80-C1812C106M3R2C	C1812C106M3R2CT500	10	25	20			500	
2220 X7R								
* 80-C2220C224MBR1C	C2220C224MBR1C7186	0.22	630	20			300	
* 80-C2220C474MCR1C	C2220C474MCR1C7186	0.47	500	20			300	
80-C2220C474MBR2C	C2220C474MBR2C7186	0.47	630	20			200	
* 80-C2220C105MAR1C	C2220C105MAR1C7186	1	250	20			300	
80-C2220C105MAR2C	C2220C105MAR2CT500	1	250	20			500	
80-C2220C105MCR2C	C2220C105MCR2CT500	1	500	20			200	
80-C2220C225M1R2C	C2220C225M1R2CT500	2.2	100	20			200	
80-C2220C225MAR2C	C2220C225MAR2CT500	2.2	250	20			500	
* 80-C2220C335K1R1CT500	C2220C335K1R1CT500	3.3	100	10			500	
* 80-C2220C106K3R1CT500	C2220C106K3R1CT500	10	25	10			500	
* 80-C2220C106K5R1CT500	C2220C106K5R1CT500	10	50	10			500	
80-C2220C106M5R2C	C2220C106M5R2CT500	10	50	20			500	
80-C2220C226M5R2C	C2220C226M5R2CT500	22	50	20			500	
80-C2220C476M3R2C	C2220C476M3R2CT500	47	25	20			500	

MURATA SMD and Leaded MLCCs



This product is RoHS compliant.



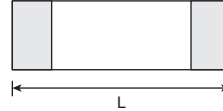
The GR3 and RDE series of multi-layer ceramic capacitors (MLCC) have been designed by Murata to be incorporated in LED lighting circuits, immediately following the bridge rectification stage, to provide DC supply smoothing and EMI filtering. The GR3 family is for reflow soldering use and the RDE family provides radial leaded insertion production. Compared to standard ceramic capacitors test by Murata showed a 10dB reduction in acoustic noise by using the new GR3 MLCC capacitors. Further noise reductions are possible with the RDE leaded parts.

GR3 SERIES SMD CHIP MONOLITHIC CERAMIC CAPACITORS

Large Capacitance and High Allowable Ripple Current

Features:

- Operating Temperature Range X7T: -55°C to +125°C
- Tolerance: 10%



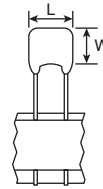
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (uF)	Voltage	Dimensions (mm) L x W x T	Price Per Piece				Reel Qty.	Price Per Piece
						1	50	100	500		
81-GR321AD72E103KW1D	GR321AD72E103KW01D	0805	0.010	250	2.0 x 1.25 x 1.0					4000	
81-GR321AD72E153KW1D	GR321AD72E153KW01D	0805	0.015	250	2.0 x 1.25 x 1.0					4000	
81-GR321BD72E223KW3L	GR321BD72E223KW03L	0805	0.022	250	2.0 x 1.25 x 1.25					3000	
81-GR331AD72W103KW1D	GR331AD72W103KW01D	1206	0.010	450	3.2 x 1.6 x 1.0					4000	
81-GR331BD72J103KW1L	GR331BD72J103KW01L	1206	0.010	630	3.2 x 1.6 x 1.25					3000	
81-GR331AD72W153KW1D	GR331AD72W153KW01D	1206	0.015	450	3.2 x 1.6 x 1.0					4000	
81-GR331CD72J153KW3L	GR331CD72J153KW03L	1206	0.015	630	3.2 x 1.6 x 1.6					2000	
81-GR331BD72W223KW1L	GR331BD72W223KW01L	1206	0.022	450	3.2 x 1.6 x 1.25					3000	
81-GR331AD72E333KW1D	GR331AD72E333KW01D	1206	0.033	250	3.2 x 1.6 x 1.0					4000	
81-GR331BD72W333KW1L	GR331BD72W333KW01L	1206	0.033	450	3.2 x 1.6 x 1.25					3000	
81-GR331BD72E473KW1L	GR331BD72E473KW01L	1206	0.047	250	3.2 x 1.6 x 1.25					3000	
81-GR331CD72W473KW3L	GR331CD72W473KW03L	1206	0.047	450	3.2 x 1.6 x 1.6					2000	
81-GR331CD72E683KW3L	GR331CD72E683KW03L	1206	0.068	250	3.2 x 1.6 x 1.6					2000	
81-GR332DD72W683KW1L	GR332DD72W683KW01L	1210	0.068	450	3.2 x 2.5 x 2.0					1000	
81-GR332QD72J223KW1L	GR332QD72J223KW01L	1210	0.022	630	3.2 x 2.5 x 1.5					2000	
81-GR332DD72J333KW1L	GR332DD72J333KW01L	1210	0.033	630	3.2 x 2.5 x 2.0					1000	
81-GR332DD72J473KW1L	GR332DD72J473KW01L	1210	0.047	630	3.2 x 2.5 x 2.0					1000	
81-GR332QD72E104KW1L	GR332QD72E104KW01L	1210	0.10	250	3.2 x 2.5 x 1.5					2000	
81-GR332DD72W104KW1L	GR332DD72W104KW01L	1210	0.10	450	3.2 x 2.5 x 2.0					1000	
81-GR332DD72E154KW1L	GR332DD72E154KW01L	1210	0.15	250	3.2 x 2.5 x 2.0					1000	
81-GR343DD72J683KW1L	GR343DD72J683KW01L	1812	0.068	630	4.5 x 3.2 x 2.0					1000	
81-GR343DD72W154KW1L	GR343DD72W154KW01L	1812	0.15	450	4.5 x 3.2 x 2.0					1000	
81-GR343QD72E224KW1L	GR343QD72E224KW01L	1812	0.22	250	4.5 x 3.2 x 1.5					1000	
81-GR343DD72E334KW1L	GR343DD72E334KW01L	1812	0.33	250	4.5 x 3.2 x 2.0					1000	
81-GR355DD72E684KW1L	GR355DD72E684KW01L	2220	0.68	250	5.7 x 5.0 x 2.0					1000	
81-GR355DD72J154KW1L	GR355DD72J154KW01L	2220	0.15	630	5.7 x 5.0 x 2.0					1000	
81-GR355DD72W224KW1L	GR355DD72W224KW01L	2220	0.22	450	5.7 x 5.0 x 2.0					1000	
81-GR355XD72J224KW5L	GR355XD72J224KW05L	2220	0.22	630	5.7 x 5.0					500	
81-GR355XD72J274KW5L	GR355XD72J274KW05L	2220	0.27	630	5.7 x 5.0					500	
81-GR355DD72W334KW1L	GR355DD72W334KW01L	2220	0.33	450	5.7 x 5.0 x 2.0					1000	
81-GR355DD72E474KW1L	GR355DD72E474KW01L	2220	0.47	250	5.7 x 5.0 x 2.0					1000	
81-GR355DD72W474KW1L	GR355DD72W474KW01L	2220	0.47	450	5.7 x 5.0 x 2.0					1000	
81-GR355XD72W564KW5L	GR355XD72W564KW05L	2220	0.56	450	5.7 x 5.0					500	
81-GR355DD72J104KW1L	GR355DD72J104KW01L	2220	0.1	630	5.7 x 5.0 x 2.0					1000	
81-GR355XD72E105KW5L	GR355XD72E105KW05L	2220	1.0	250	5.7 x 5.0					500	

RDE SERIES RADIAL LEADED TYPE MONOLITHIC CERAMIC CAPACITORS

Features:

- Operating Temperature Range X7T: -55°C to +125°C
- Tolerance: 10%
- Lead Spacing: 0.5



Coated with Epoxy resin



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (uF)	Voltage	Dimensions (mm) L x W x T	Price Per Piece				Reel Qty.	Price Per Piece
					1	50	100	500		
81-GR321AD72E103KW1D	GR321AD72E103KW01D	0.010	250	2.0 x 1.25 x 1.0					4000	
81-GR321AD72E153KW1D	GR321AD72E153KW01D	0.015	250	2.0 x 1.25 x 1.0					4000	
81-GR321BD72E223KW3L	GR321BD72E223KW03L	0.022	250	2.0 x 1.25 x 1.25					3000	
81-GR331AD72W103KW1D	GR331AD72W103KW01D	0.010	450	3.2 x 1.6 x 1.0					4000	
81-GR331BD72J103KW1L	GR331BD72J103KW01L	0.010	630	3.2 x 1.6 x 1.25					3000	
81-GR331AD72W153KW1D	GR331AD72W153KW01D	0.015	450	3.2 x 1.6 x 1.0					4000	
81-GR331CD72J153KW3L	GR331CD72J153KW03L	0.015	630	3.2 x 1.6 x 1.6					2000	
81-GR331BD72W223KW1L	GR331BD72W223KW01L	0.022	450	3.2 x 1.6 x 1.25					3000	
81-GR331AD72E333KW1D	GR331AD72E333KW01D	0.033	250	3.2 x 1.6 x 1.0					4000	
81-GR331BD72W333KW1L	GR331BD72W333KW01L	0.033	450	3.2 x 1.6 x 1.25					3000	
81-GR331BD72E473KW1L	GR331BD72E473KW01L	0.047	250	3.2 x 1.6 x 1.25					3000	
81-GR331CD72W473KW3L	GR331CD72W473KW03L	0.047	450	3.2 x 1.6 x 1.6					2000	
81-GR331CD72E683KW3L	GR331CD72E683KW03L	0.068	250	3.2 x 1.6 x 1.6					2000	
81-GR332DD72W683KW1L	GR332DD72W683KW01L	0.068	450	3.2 x 2.5 x 2.0					1000	
81-GR332QD72J223KW1L	GR332QD72J223KW01L	0.022	630	3.2 x 2.5 x 1.5					2000	
81-GR332DD72J333KW1L	GR332DD72J333KW01L	0.033	630	3.2 x 2.5 x 2.0					1000	
81-GR332DD72J473KW1L	GR332DD72J473KW01L	0.047	630	3.2 x 2.5 x 2.0					1000	
81-GR332QD72E104KW1L	GR332QD72E104KW01L	0.10	250	3.2 x 2.5 x 1.5					2000	
81-GR332DD72W104KW1L	GR332DD72W104KW01L	0.10	450	3.2 x 2.5 x 2.0					1000	
81-GR332DD72E154KW1L	GR332DD72E154KW01L	0.15	250	3.2 x 2.5 x 2.0					1000	
81-GR343DD72J683KW1L	GR343DD72J683KW01L	0.068	630	4.5 x 3.2 x 2.0					1000	
81-GR343DD72W154KW1L	GR343DD72W154KW01L	0.15	450	4.5 x 3.2 x 2.0					1000	
81-GR343QD72E224KW1L	GR343QD72E224KW01L	0.22	250	4.5 x 3.2 x 1.5					2000	
81-GR343DD72E334KW1L	GR343DD72E334KW01L	0.33	250	4.5 x 3.2 x 2.0					1000	
81-GR355DD72E684KW1L	GR355DD72E684KW01L	0.68	250	5.7 x 5.0 x 2.0					1000	
81-GR355DD72J154KW1L	GR355DD72J154KW01L	0.15	630	5.7 x 5.0 x 2.0					1000	
81-GR355DD72W224KW1L	GR355DD72W224KW01L	0.22	450	5.7 x 5.0 x 2.0					1000	
81-GR355XD72J224KW5L	GR355XD72J224KW05L	0.22	630	5.7 x 5.0					500	
81-GR355XD72J274KW5L	GR355XD72J274KW05L	0.27	630	5.7 x 5.0					500	
81-GR355DD72W334KW1L	GR355DD72W334KW01L	0.33	450	5.7 x 5.0 x 2.0					1000	
81-GR355DD72E474KW1L	GR355DD72E474KW01L	0.47	250	5.7 x 5.0 x 2.0					1000	
81-GR355DD72W474KW1L	GR355DD72W474KW01L	0.47	450	5.7 x 5.0 x 2.0					1000	
81-GR355XD72W564KW5L	GR355XD72W564KW05L	0.56	450	5.7 x 5.0					500	
81-GR355DD72J104KW1L	GR355DD72J104KW01L	0.1	630	5.7 x 5.0 x 2.0					1000	
81-GR355XD72E105KW5L	GR355XD72E105KW05L	1.0	250	5.7 x 5.0					500	

MURATA Capacitor Arrays and Hi-Q Chip Capacitors



MURATA GNM SERIES CAPACITOR ARRAYS

RoHS Compliant This product is RoHS compliant.

Specifications:

- Temperature Range: X7R -55°C to +125°C
- Lower Cost Supply Chain Management
- X5R -55°C to +85°C
- Compact PCB Design
- Insulation Resistance: More than 10,000MΩ
- Lower Manufacturing/Operating Costs

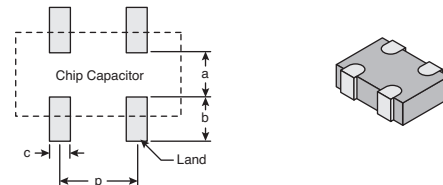


RoHS Compliant

2 Capacitor Arrays

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Temp. Coef.	Volt	Value	Price Each				
					1	50	100	500	1000
2 Capacitor Array 0504 Case									
81-GNM1M2R71H102MA01	GNM1M2R71H102MA01D	X7R	50	1000pF					
81-GNM1M2R71E472MA01	GNM1M2R71E472MA01D	X7R	25	4700pF					
81-GNM1M2R71E103MA01	GNM1M2R71E103MA01D	X7R	25	.01μF					
81-GNM1M2R71C223MA01D	GNM1M2R71C223MA01D	X7R	16	.022μF					
81-GNM1M2R61A104MA1D	GNM1M2R61A104MA01D	X5R	10	0.1μF					
81-GNM1M2R60J105ME2D	GNM1M2R60J105ME12D	X5R	6.3	1.0μF					
2 Capacitor Array 0805 Case									
81-GNM212R61A105MA13	GNM212R61A105MA13D	X5R	10	1.0μF					
81-GNM212R61C105MA16	GNM212R61C105MA16D	X5R	16	1.0μF					
81-GNM212R61A225ME16	GNM212R61A225ME16D	X5R	10	2.2μF					

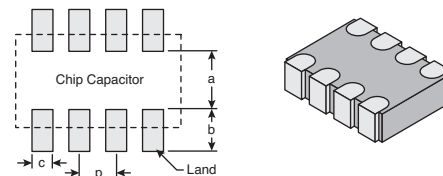


Part Number	Dimensions: mm					
	L	W	a	b	c	p
GNM1M2	1.37	1.0	0.45 to 0.5	0.5 to 0.55	0.3 to 0.35	0.64±0.1
GNM212	2.0	1.25	0.6 to 0.7	0.5 to 0.7	0.4 to 0.5	1.0 ±0.1

4 Capacitor Arrays

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Temp. Coef.	Volt	Value	Price Each				
					1	50	100	500	1000
4 Capacitor Array 0805 Case									
81-GNM214R71H102MA01	GNM214R71H102MA01D	X7R	50	1000pF					
81-GNM214R71E222MA01	GNM214R71E222MA01D	X7R	25	2200pF					
81-GNM214R71E472MA01	GNM214R71E472MA01D	X7R	25	4700pF					
81-GNM214R71E103MA1D	GNM214R71E103MA01D	X7R	25	.01μF					
81-GNM214R71C473MA01	GNM214R71C473MA01D	X7R	16	.047μF					
81-GNM214R71C104MA1D	GNM214R71C104MA01D	X7R	16	0.1μF					
4 Capacitor Array 1206 Case									
81-GNM314R71C473MA1D	GNM314R71C473MA01D	X7R	16	.047μF					

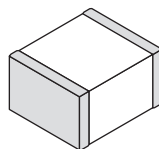


Part Number	Dimensions: mm					
	L	W	a	b	c	p
GNM214	2.0	1.25	0.6 to 0.7	0.5 to 0.7	0.25 to 0.35	0.6 ±0.05
GNM314	3.2	1.6	0.8 to 1.0	0.7 to 0.9	0.3 to 0.4	0.8 ±0.05

MURATA MA SERIES HI-Q CHIP CAPACITORS

Specifications:

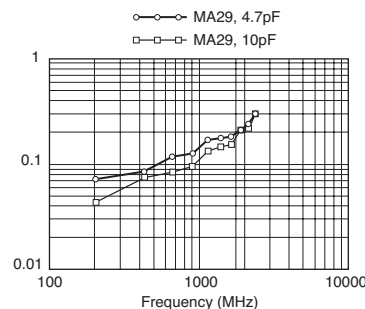
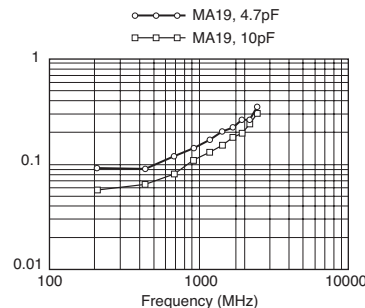
- Temperature Range: -55°C to +125°C
- Temperature Coefficient: P90
- Very High Q at high frequencies
- Terminations: Palladium Silver covered by a Nickel Interface and coated with tin plating
- High RF Power capabilities
- Impervious to environmental conditions
- Low noise
- Stacked tape and reel also available in bulk package



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Volt	Value (pF)	Tolerance	Price Each			
						1	10	50	100
81-MA29102JAN	MA29102JAN	1111	50	1000	±5%				
81-MA291R0CAN	MA291R0CAN	1111	500	1.0	±25pF				
81-MA291R5CAN	MA291R5CAN	1111	500	1.5	±25pF				
81-MA292R2CAN	MA292R2CAN	1111	500	2.2	±25pF				
81-MA293R3CAN	MA293R3CAN	1111	500	3.3	±25pF				
81-MA294R7CAN	MA294R7CAN	1111	500	4.7	±25pF				
81-MA296R8CAN	MA296R8CAN	1111	500	6.8	±25pF				
81-MA298R2CAN	MA298R2CAN	1111	500	8.2	±25pF				
81-MA29100JAN	MA29100JAN	1111	500	10	±5%				
81-MA29150JAN	MA29150JAN	1111	500	15	±5%				
81-MA29220JAN	MA29220JAN	1111	500	22	±5%				
81-MA29470JAN	MA29470JAN	1111	500	47	±5%				
81-MA29510JAN	MA29510JAN	1111	500	51	±5%				
81-MA29680JAN	MA29680JAN	1111	500	68	±5%				
81-MA29820JAN	MA29820JAN	1111	500	82	±5%				
81-MA29101JAN	MA29101JAN	1111	500	100	±5%				



MURATA High Frequency Ceramic Chip Capacitors



GJM SERIES: MULTILAYER, HIGH FREQUENCY, HIGH Q



This product is RoHS compliant.

GJM SERIES: The Murata GJM series is a high Q ultra small capacitor series for high frequency applications in the 500MHz to 10GHz range, suitable for VCO and PA Module applications. The GJM series of capacitors are made with copper electrodes for low ESR and low power consumption due to the high Q (low loss) performance. This series is offered in EIA sizes 0201 and 0402. They are RoHS compliant.

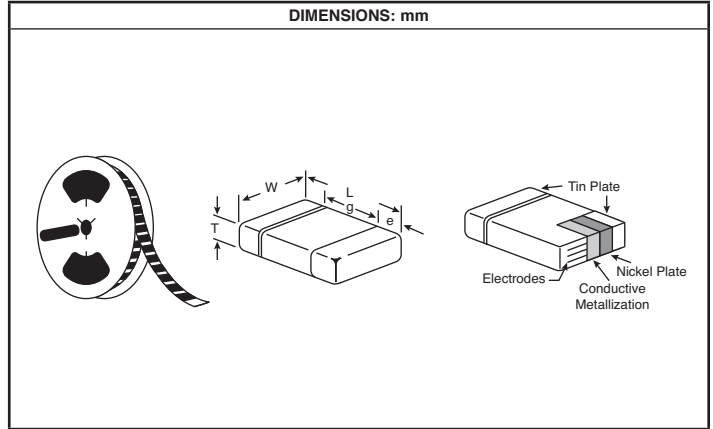


RoHS Compliant

Features:

- COG Dielectric
- Low ESR
- Operating Temperature: -55°C to +125°C

Part No.	DIMENSIONS: mm				
	L (Length)	W (Width)	T (Thickness)	e	g min.
GJM03	0.6±0.03	0.3±0.03	0.3±0.03	0.1 to 0.2	0.2
GJM15	1.0±0.05	0.5±0.05	0.5±0.05	0.15 to 0.3	0.4



Ceramic Caps, SMD

Murata

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Price Each		Reel Qty.	Price per Piece
				1	100		
0201 Case Size							
81-GJM0335C1ER20BB01	GJM0335C1ER20BB01D	0.2	25			15000	
81-GJM0335C1ER30BB01	GJM0335C1ER30BB01D	0.3	25			15000	
81-GJM0335C1ER40BB01	GJM0335C1ER40BB01D	0.4	25			15000	
81-GJM0335C1ER75BB01	GJM0335C1ER75BB01D	0.75	25			15000	
81-GJM0335C1E1R0BB01	GJM0335C1E1R0BB01D	1.0	25			15000	
81-GJM0335C1E1R1BB01	GJM0335C1E1R1BB01D	1.1	25			15000	
81-GJM0335C1E1R2BB01	GJM0335C1E1R2BB01D	1.2	25			15000	
81-GJM0335C1E1R3BB01	GJM0335C1E1R3BB01D	1.3	25			15000	
81-GJM0335C1E1R4CB1D	GJM0335C1E1R4CB01D	1.4	25			15000	
81-GJM0335C1E1R5BB01	GJM0335C1E1R5BB01D	1.5	25			15000	
81-GJM0335C1E1R5CB1D	GJM0335C1E1R5CB01D	1.5	25			15000	
81-GJM0335C1E1R6BB01	GJM0335C1E1R6BB01D	1.6	25			15000	
81-GJM0335C1E2R0BB01	GJM0335C1E2R0BB01D	2.0	25			15000	
81-GJM0335C1E2R2BB01	GJM0335C1E2R2BB01D	2.2	25			15000	
81-GJM0335C1E2R7BB01	GJM0335C1E2R7BB01D	2.7	25			15000	
81-GJM0335C1E3R0BB01	GJM0335C1E3R0BB01D	3.0	25			15000	
81-GJM0335C1E3R0CB1D	GJM0335C1E3R0CB01D	3.0	25			15000	
81-GJM0335C1E3R2BB01	GJM0335C1E3R2BB01D	3.2	25			15000	
81-GJM0335C1E3R3BB01	GJM0335C1E3R3BB01D	3.3	25			15000	
81-GJM0335C1E3R4BB1D	GJM0335C1E3R4BB01D	3.4	25			15000	
81-GJM0335C1E3R6BB01	GJM0335C1E3R6BB01D	3.6	25			15000	
81-GJM0335C1E3R8BB01	GJM0335C1E3R8BB01D	3.8	25			15000	
81-GJM0335C1E3R9BB01	GJM0335C1E3R9BB01D	3.9	25			15000	
81-GJM0335C1E4R3BB01	GJM0335C1E4R3BB01D	4.3	25			15000	
81-GJM0335C1E4R7BB01	GJM0335C1E4R7BB01D	4.7	25			15000	
81-GJM0335C1E5R1CB01	GJM0335C1E5R1CB01D	5.1	25			15000	
81-GJM0335C1E5R6CB01	GJM0335C1E5R6CB01D	5.6	25			15000	
81-GJM0335C1E6R0CB01	GJM0335C1E6R0CB01D	6.0	25			15000	
81-GJM0335C1E6R2CB01	GJM0335C1E6R2CB01D	6.2	25			15000	
81-GJM0335C1E6R2BB01	GJM0335C1E6R2BB01D	6.2	25			15000	
81-GJM0335C1E6R8CB01	GJM0335C1E6R8CB01D	6.8	25			15000	
81-GJM0335C0J220JB1D	GJM0335C0J220JB01D	22	6.3			15000	
81-GJM0335C0J270GB1D	GJM0335C0J270GB01D	27	6.3			15000	
81-GJM0335C0J270JB1D	GJM0335C0J270JB01D	27	6.3			15000	

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Price Each		Reel Qty.	Price per Piece
				1	100		
0402 Case Size							
81-GJM1555C1HR10BB01	GJM1555C1HR10BB01D	0.1	50			10000	
81-GJM1555C1HR20BB01	GJM1555C1HR20BB01D	0.2	50			10000	
81-GJM1555C1HR20KB01	GJM1555C1HR20KB01D	0.2	50			10000	
81-GJM1555C1HR20WB01	GJM1555C1HR20WB01D	0.2	50			10000	
81-GJM1555C1HR30BB01	GJM1555C1HR30BB01D	0.3	50			10000	
81-GJM1555C1HR40BB01	GJM1555C1HR40BB01D	0.4	50			10000	
81-GJM1555C1HR50BB01	GJM1555C1HR50BB01D	0.5	50			10000	
81-GJM1555C1HR50WB1D	GJM1555C1HR50WB01D	0.5	50			10000	
81-GJM1555C1HR60BB1D	GJM1555C1HR60BB01D	0.6	50			10000	
81-GJM1555C1HR70BB1D	GJM1555C1HR70BB01D	0.7	50			10000	
81-GJM1555C1HR75CB01	GJM1555C1HR75CB01D	0.8	50			10000	
81-GJM1555C1HR90BB1D	GJM1555C1HR90BB01D	0.9	50			10000	
81-GJM1555C1HR90CB1D	GJM1555C1HR90CB01D	0.9	50			10000	
81-GJM1555C1H1R0BB01	GJM1555C1H1R0BB01D	1.0	50			10000	
81-GJM1555C1H1R0CB1D	GJM1555C1H1R0CB01D	1.0	50			10000	
81-GJM1555C1H1R0WB1D	GJM1555C1H1R0WB01D	1.0	50			10000	
81-GJM1555C1H1R1BB01	GJM1555C1H1R1BB01D	1.1	50			10000	
81-GJM1555C1H1R1CB1D	GJM1555C1H1R1CB01D	1.1	50			10000	
81-GJM1555C1H1R2BB01	GJM1555C1H1R2BB01D	1.2	50			10000	
81-GJM1555C1H1R2CB1D	GJM1555C1H1R2CB01D	1.2	50			10000	
81-GJM1555C1H1R2WB1D	GJM1555C1H1R2WB01D	1.2	50			10000	
81-GJM1555C1H1R3BB01	GJM1555C1H1R3BB01D	1.3	50			10000	

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Price Each		Reel Qty.	Price per Piece
				1	100		
0402 Case Size (Cont.)							
81-GJM1555C1H1R5CB01	GJM1555C1H1R5CB01D	1.5	50			10000	
81-GJM1555C1H1R5BB1D	GJM1555C1H1R5BB01D	1.5	50			10000	
81-GJM1555C1H1R5WB1D	GJM1555C1H1R5WB01D	1.5	50			10000	
81-GJM1555C1H1R6BB01	GJM1555C1H1R6BB01D	1.6	50			10000	
81-GJM1555C1H1R6CB01	GJM1555C1H1R6CB01D	1.6	50			10000	
81-GJM1555C1H1R8BB01	GJM1555C1H1R8BB01D	1.8	50			10000	
81-GJM1555C1H1R8CB1D	GJM1555C1H1R8CB01D	1.8	50			10000	
81-GJM1555C1H2R0BB01	GJM1555C1H2R0BB01D	2.0	50			10000	
81-GJM1555C1H2R2BB01	GJM1555C1H2R2BB01D	2.2	50			10000	
81-GJM1555C1H2R2CB1D	GJM1555C1H2R2CB01D	2.2	50			10000	
81-GJM1555C1H2R4BB01	GJM1555C1H2R4BB01D	2.4	50			10000	
81-GJM1555C1H2R4CB1D	GJM1555C1H2R4CB01D	2.4	50			10000	
81-GJM1555C1H2R7BB01	GJM1555C1H2R7BB01D	2.7	50			10000	
81-GJM1555C1H2R7CB1D	GJM1555C1H2R7CB01D	2.7	50			10000	
81-GJM1555C1H3R0BB01	GJM1555C1H3R0BB01D	3.0	50			10000	
81-GJM1555C1H3R0CB1D	GJM1555C1H3R0CB01D	3.0	50			10000	
81-GJM1555C1H3R3BB01	GJM1555C1H3R3BB01D	3.3	50			10000	
81-GJM1555C1H3R3CB1D	GJM1555C1H3R3CB01D	3.3	50			10000	
81-GJM1555C1H3R6BB01	GJM1555C1H3R6BB01D	3.6	50			10000	
81-GJM1555C1H3R6CB1D	GJM1555C1H3R6CB01D	3.6	50			10000	
81-GJM1555C1H3R9BB01	GJM1555C1H3R9BB01D	3.9	50			10000	
81-GJM1555C1H3R9CB1D	GJM1555C1H3R9CB01D	3.9	50			10000	
81-GJM1555C1H4R0BB01	GJM1555C1H4R0BB01D	4.0	50			10000	
81-GJM1555C1H4R3BB01	GJM1555C1H4R3BB01D	4.3	50			10000	
81-GJM1555C1H4R3CB1D	GJM1555C1H4R3CB01D	4.3	50			10000	
81-GJM1555C1H4R7BB01	GJM1555C1H4R7BB01D	4.7	50			10000	
81-GJM1555C1H4R7CB1D	GJM1555C1H4R7CB01D	4.7	50			10000	
81-GJM1555C1H5R0BB01	GJM1555C1H5R0BB01D	5.0	50			10000	
81-GJM1555C1H5R1CB01	GJM1555C1H5R1CB01D	5.1	50			10000	
81-GJM1555C1H5R6CB01	GJM1555C1H5R6CB01D	5.6	50			10000	
81-GJM1555C1H5R6BB1D	GJM1555C1H5R6BB01D	5.6	50			10000	
81-GJM1555C1H5R6DB1D	GJM1555C1H5R6DB01D	5.6	50			10000	
81-GJM1555C1H6R0CB01	GJM1555C1H6R0CB01D	6.0	50			10000	
81-GJM1555C1H6R2CB01	GJM1555C1H6R2CB01D	6.2	50			10000	
81-GJM1555C1H6R2DB01	GJM1555C1H6R2DB01D	6.2	50			10000	
81-GJM1555C1H6R8CB01	GJM1555C1H6R8CB01D	6.8	50			10000	
81-GJM1555C1H7R0CB01	GJM1555C1H7R0CB01D	7.0	50			10000	
81-GJM1555C1H7R5CB01	GJM1555C1H7R5CB01D	7.5	50			10000	
81-GJM1555C1H7R6CB01	GJM1555C1H7R6CB01D	7.6	50			10000	
81-GJM1555C1H7R8CB01	GJM1555C1H7R8CB01D	7.8	50			10000	
81-GJM1555C1H8R0CB01	GJM1555C1H8R0CB01D	8.0	50			10000	
81-GJM1555C1H8R2CB01	GJM1555C1H8R2CB01D	8.2	50			10000	
81-GJM1555C1H8R2BB1D	GJM1555C1H8R2BB01D	8.2	50			10000	
81-GJM1555C1H8R6CB01	GJM1555C1H8R6CB01D	8.6	50			10000	
81-GJM1555C1H9R0CB01	GJM1555C1H9R0CB01D	9.0	50			10000	
81-GJM1555C1H9R1CB01	GJM1555C1H9R1CB01D	9.1	50			10000	
81-GJM1555C1H100FB01	GJM1555C1H100FB01D	10	50			10000	
81-GJM1555C1H100JB01	GJM1555C1H100JB01D	10	50			10000	
81-GJM1555C1H110GB01	GJM1555C1H110GB01D	11	50			10000	
81-GJM1555C1H120GB01	GJM1555C1H120GB01D	12	50			10000	
81-GJM1555C1H120JB1D	GJM1555C1H120JB01D	12	50			10000	
81-GJM1555C1H150GB01	GJM1555C1H150GB01D	15	50			10000	
81-GJM1555C1H150JB1D	GJM1555C1H150JB01D	15	50			10000	
81-GJM1555C1H180GB01	GJM1555C1H180GB01D	18	50			10000	
81-GJM1555C1H180JB01	GJM1555C1H180JB01D	18	50			10000	
81-GJM1555C1H200GB01	GJM1555C1H200GB01D	20	50			10000	
81-GJM1555C1H200JB1D	GJM1555C1H200JB01D	20	50			10000	

MURATA High Frequency Ceramic Chip Capacitors



Inventor in Electronics

GQM SERIES MULTILAYER, HIGH FREQUENCY, HIGH Q

This product is RoHS compliant.

The Murata high Q capacitors are used from 500MHz to 10GHz for handheld and cellular applications. These capacitors are made with copper electrodes for very low ESR and high Q in GHz frequencies, and high RF current handling capability. This series is offered in EIA sized 0603, 0805 and 1210, and is available in tight tolerance versions. They are RoHS Compliant.



RoHS Compliant

Cross Reference			
	GQM		
Case Sizes	0603	0805	1210
ATC 650	X	X	
Johanson "S"	X		
Johanson "L"	X	X	X

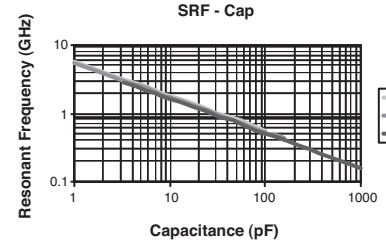
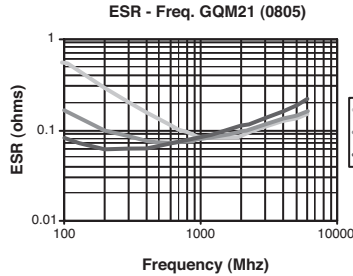
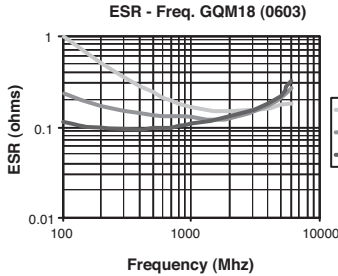
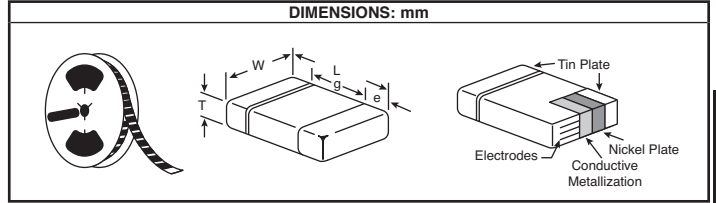
Features:

- COG Dielectric
- Low ESR
- Operating Temperature: -55°C to +125°C

Applications:

- Base Station Power Amps
- Broadcasting Equipment
- Cell Phones
- PA Modules

Part No.	L	W	T	e	g min.
GQM188	1.6±0.1	0.8±0.1	0.8±0.1	0.2 to 0.5	0.5
GQM219	2.0±0.1	1.25±0.1	0.85±0.1	0.2 to 0.7	0.7



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (pF)	Volt (DC)	Tolerance ±	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
81-GQM1885C2AR10BB01	GQM1885C2AR10BB01D	0603	0.1	100	0.1pF					4000	
81-GQM1885C2AR50BB01	GQM1885C2AR50BB01D	0603	0.5	100	0.1pF					4000	
81-GQM1885C2A1R0BB01	GQM1885C2A1R0BB01D	0603	1.0	100	0.1pF					4000	
81-GQM1885C2A1R2BB01	GQM1885C2A1R2BB01D	0603	1.2	100	0.1pF					4000	
81-GQM1885C2A1R5BB01	GQM1885C2A1R5BB01D	0603	1.5	100	0.1pF					4000	
81-GQM1885C2A1R8BB01	GQM1885C2A1R8BB01D	0603	1.8	100	0.1pF					4000	
81-GQM1885C2A2R2BB01	GQM1885C2A2R2BB01D	0603	2.2	100	0.1pF					4000	
81-GQM1885C2A2R7BB01	GQM1885C2A2R7BB01D	0603	2.7	100	0.1pF					4000	
81-GQM1885C2A3R3BB01	GQM1885C2A3R3BB01D	0603	3.3	100	0.1pF					4000	
81-GQM1885C2A3R9BB01	GQM1885C2A3R9BB01D	0603	3.9	100	0.1pF					4000	
81-GQM1885C2A4R7BB01	GQM1885C2A4R7BB01D	0603	4.7	100	0.1pF					4000	
81-GQM1885C2A5R1CB01	GQM1885C2A5R1CB01D	0603	5.1	100	0.25pF					4000	
81-GQM1885C2A6R8CB01	GQM1885C2A6R8CB01D	0603	6.8	100	0.25pF					4000	
81-GQM1885C1H7R5CB01	GQM1885C1H7R5CB01D	0603	7.5	50	0.25pF					4000	
81-GQM1885C1H8R2CB01	GQM1885C1H8R2CB01D	0603	8.2	50	0.25pF					4000	
81-GQM1885C1H10GB01	GQM1885C1H10GB01D	0603	10	50	2%					4000	
81-GQM1885C1H120GB01	GQM1885C1H120GB01D	0603	12	50	2%					4000	
81-GQM1885C1H150GB01	GQM1885C1H150GB01D	0603	15	50	2%					4000	
81-GQM1885C1H220GB01	GQM1885C1H220GB01D	0603	22	50	2%					4000	
81-GQM1885C1H270GB01	GQM1885C1H270GB01D	0603	27	50	2%					4000	
81-GQM1885C1H330GB01	GQM1885C1H330GB01D	0603	33	50	2%					4000	
81-GQM1885C1H390GB01	GQM1885C1H390GB01D	0603	39	50	2%					4000	
81-GQM1885C1H470GB01	GQM1885C1H470GB01D	0603	47	50	2%					4000	
81-GQM1885C1H560GB01	GQM1885C1H560GB01D	0603	56	50	2%					4000	
81-GQM1885C1H680GB01	GQM1885C1H680GB01D	0603	68	50	2%					4000	
81-GQM1885C1H820GB01	GQM1885C1H820GB01D	0603	82	50	2%					4000	
81-GQM1885C1H101GB01	GQM1885C1H101GB01D	0603	100	50	2%					4000	
81-GQM2195C2AR20BB01	GQM2195C2AR20BB01D	0805	0.2	100	0.1pF					4000	
81-GQM2195C2AR50BB01	GQM2195C2AR50BB01D	0805	0.5	100	0.1pF					4000	
81-GQM2195C2A1R0BB01	GQM2195C2A1R0BB01D	0805	1.0	100	0.1pF					4000	
81-GQM2195C2A1R2BB01	GQM2195C2A1R2BB01D	0805	1.2	100	0.1pF					4000	
81-GQM2195C2A1R5BB01	GQM2195C2A1R5BB01D	0805	1.5	100	0.1pF					4000	
81-GQM2195C2A1R8BB01	GQM2195C2A1R8BB01D	0805	1.8	100	0.1pF					4000	
81-GQM2195C2A2R2BB01	GQM2195C2A2R2BB01D	0805	2.2	100	0.1pF					4000	
81-GQM2195C2A2R7BB01	GQM2195C2A2R7BB01D	0805	2.7	100	0.1pF					4000	
81-GQM2195C2A3R3BB01	GQM2195C2A3R3BB01D	0805	3.3	100	0.1pF					4000	
81-GQM2195C2A3R9BB01	GQM2195C2A3R9BB01D	0805	3.9	100	0.1pF					4000	
81-GQM2195C2A4R7BB01	GQM2195C2A4R7BB01D	0805	4.7	100	0.1pF					4000	
81-GQM2195C2A5R1CB01	GQM2195C2A5R1CB01D	0805	5.1	100	0.25pF					4000	
81-GQM2195C2A6R8CB01	GQM2195C2A6R8CB01D	0805	6.8	100	0.25pF					4000	
81-GQM2195C2A7R5CB01	GQM2195C2A7R5CB01D	0805	7.5	100	0.25pF					4000	
81-GQM2195C2A8R2CB01	GQM2195C2A8R2CB01D	0805	8.2	100	0.25pF					4000	
81-GQM2195C2A100GB01	GQM2195C2A100GB01D	0805	10	100	2%					4000	
81-GQM2195C2A120GB01	GQM2195C2A120GB01D	0805	12	100	2%					4000	
81-GQM2195C2A150GB01	GQM2195C2A150GB01D	0805	15	100	2%					4000	
81-GQM2195C1H220GB01	GQM2195C1H220GB01D	0805	22	50	2%					4000	
81-GQM2195C1H270GB01	GQM2195C1H270GB01D	0805	27	50	2%					4000	
81-GQM2195C1H330GB01	GQM2195C1H330GB01D	0805	33	50	2%					4000	
81-GQM2195C1H470GB01	GQM2195C1H470GB01D	0805	47	50	2%					4000	
81-GQM2195C1H101GB01	GQM2195C1H101GB01D	0805	100	50	2%					4000	

MURATA High Frequency Ceramic Chip Capacitors



This product is RoHS compliant.

GQM SERIES MULTILAYER, HIGH FREQUENCY, HIGH Q

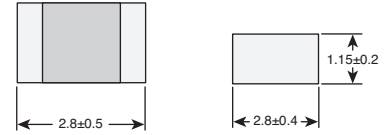
Murata has commercialized the GQM 500V Series low loss monolithic ceramic capacitor for high frequency applications. The GQM Series features low loss capacitors for RF power amplifiers used in mobile communication base stations and high-speed broadband base stations, and is a capacitor series ideal for VHF, UHF, and GHz frequency regions. With dimensions of 2.8x2.8x1.15mm and capacitance ranging from 0.5pF to 100pF, this product may be used for tight tolerance products around capacitance tolerance B 3 ($\pm 0.1\text{pF}$). Ideal for matching or coupling circuits used in applications such as power amplifiers for mobile communication, WiMAX 4 and LTE 5 base stations, as well as other related high frequency RF modules, this product will help improve the high frequency characteristic of equipment.

Features:

- Design optimization using electromagnetic field and improved internal electrode design have strengthened magnetic coupling and stabilized self-response frequency
- High withstand voltage design
- Offers tight tolerance in the capacitance tolerance B ($\pm 0.1\text{pF}$) or C ($\pm 0.25\text{pF}$) range
- RoHS Compliant

Applications:

- Matching circuits, coupling circuits in power amplifiers for mobile communication
- WiMAX and LTE base stations

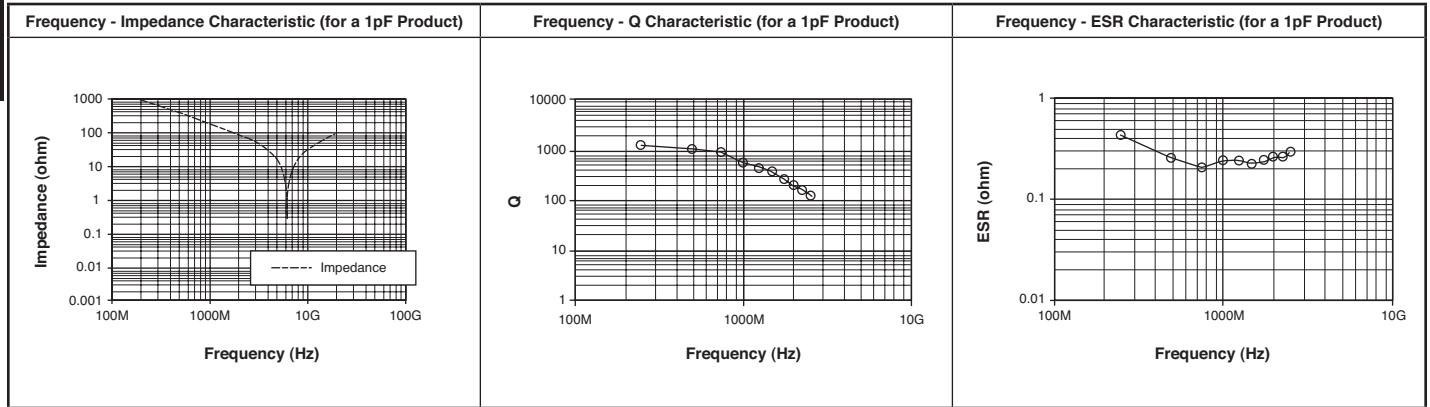


DIMENSIONS: mm

Specifications:

- Capacitance Range: 0.5pF - 100pF
- Rated Voltage: DC500V
- Operating Temp. Range: -55°C to +125°C
- Case Size: 1111
- Self-resonant frequency: over 4GHz (1pF)
- Packaging: Reel Qty. 1000 - 180mm embossed tape

Murata Ceramic Caps, SMD



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Tol. \pm	Price Each				Reel Qty. 1000
Mfr.	Mfr. Part No.			1	50	100	500	
81	GQM22M5C2HR50BB1L	0.5	0.1pF					
81	GQM22M5C2HR75BB1L	0.75	0.1pF					
81	GQM22M5C2H1R0BB1L	1	0.1pF					
81	GQM22M5C2H1R1BB1L	1.1	0.1pF					
81	GQM22M5C2H1R2BB1L	1.2	0.1pF					
81	GQM22M5C2H1R3BB1L	1.3	0.1pF					
81	GQM22M5C2H1R5BB1L	1.5	0.1pF					
81	GQM22M5C2H1R6BB1L	1.6	0.1pF					
81	GQM22M5C2H1R8BB1L	1.8	0.1pF					
81	GQM22M5C2H2R0BB1L	2	0.1pF					
81	GQM22M5C2H2R2BB1L	2.2	0.1pF					
81	GQM22M5C2H2R4BB1L	2.4	0.1pF					
81	GQM22M5C2H2R7BB1L	2.7	0.1pF					
81	GQM22M5C2H3R0BB1L	3	0.1pF					
81	GQM22M5C2H3R3BB1L	3.3	0.1pF					
81	GQM22M5C2H3R6BB1L	3.6	0.1pF					
81	GQM22M5C2H3R9BB1L	3.9	0.1pF					
81	GQM22M5C2H4R0BB1L	4	0.1pF					
81	GQM22M5C2H4R3BB1L	4.3	0.1pF					
81	GQM22M5C2H4R7BB1L	4.7	0.1pF					
81	GQM22M5C2H5R0BB1L	5	0.1pF					
81	GQM22M5C2HR50CB1L	0.5	0.25pF					
81	GQM22M5C2HR75CB1L	0.75	0.25pF					
81	GQM22M5C2H1R0CB1L	1	0.25pF					
81	GQM22M5C2H1R5CB1L	1.5	0.25pF					
81	GQM22M5C2H2R0CB1L	2	0.25pF					
81	GQM22M5C2H3R0CB1L	3	0.25pF					
81	GQM22M5C2H4R0CB1L	4	0.25pF					
81	GQM22M5C2H5R0CB1L	5	0.25pF					
81	GQM22M5C2H5R1CB1L	5.1	0.25pF					
81	GQM22M5C2H5R6CB1L	5.6	0.25pF					
81	GQM22M5C2H6R0CB1L	6	0.25pF					
81	GQM22M5C2H6R2CB1L	6.2	0.25pF					
81	GQM22M5C2H6R8CB1L	6.8	0.25pF					
81	GQM22M5C2H7R0CB1L	7	0.25pF					
81	GQM22M5C2H7R5CB1L	7.5	0.25pF					

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Tol. \pm	Price Each				Reel Qty. 1000
Mfr.	Mfr. Part No.			1	50	100	500	
81	GQM22M5C2H8R0CB1L	8	0.25pF					
81	GQM22M5C2H8R2CB1L	8.2	0.25pF					
81	GQM22M5C2H9R0CB1L	9	0.25pF					
81	GQM22M5C2H9R1CB1L	9.1	0.25pF					
81	GQM22M5C2H6R0DB1L	6	0.5pF					
81	GQM22M5C2H7R0DB1L	7	0.5pF					
81	GQM22M5C2H8R0DB1L	8	0.5pF					
81	GQM22M5C2H9R0DB1L	9	0.5pF					
81	GQM22M5C2H100GB1L	10	2%					
81	GQM22M5C2H120GB1L	12	2%					
81	GQM22M5C2H150GB1L	15	2%					
81	GQM22M5C2H180GB1L	18	2%					
81	GQM22M5C2H200GB1L	20	2%					
81	GQM22M5C2H220GB1L	22	2%					
81	GQM22M5C2H270GB1L	27	2%					
81	GQM22M5C2H330GB1L	33	2%					
81	GQM22M5C2H390GB1L	39	2%					
81	GQM22M5C2H470GB1L	47	2%					
81	GQM22M5C2H560GB1L	56	2%					
81	GQM22M5C2H680GB1L	68	2%					
81	GQM22M5C2H820GB1L	82	2%					
81	GQM22M5C2H101GB1L	100	2%					
81	GQM22M5C2H100JB1L	10	5%					
81	GQM22M5C2H120JB1L	12	5%					
81	GQM22M5C2H150JB1L	15	5%					
81	GQM22M5C2H180JB1L	18	5%					
81	GQM22M5C2H200JB1L	20	5%					
81	GQM22M5C2H220JB1L	22	5%					
81	GQM22M5C2H270JB1L	27	5%					
81	GQM22M5C2H330JB1L	33	5%					
81	GQM22M5C2H390JB1L	39	5%					
81	GQM22M5C2H470JB1L	47	5%					
81	GQM22M5C2H560JB1L	56	5%					
81	GQM22M5C2H680JB1L	68	5%					
81	GQM22M5C2H820JB1L	82	5%					
81	GQM22M5C2H101JB1L	100	5%					

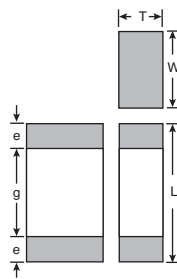
MURATA Hi-Cap Multilayer Ceramic Chip Capacitors



This product is RoHS compliant.

Hi-Cap: The Murata hi-cap, tantalum replacement product lineup is available in X7R, X6S, X7S, and X5R with capacitance of 1µF and larger. This line of high volumetric capacitance ceramic chip capacitors is available in 4V, 6.3V, 10V, 16V, 25V, and 50V. This product series (GRM) is offered with a nickel (Ni) barrier termination plated with tin (Sn), and is RoHS compliant. Stringent dimensional tolerances allow highly reliable, high-speed automatic chip placement on PCBs.

Why use ceramic chips over tantalum and aluminum capacitors? Ceramic chips offer better reliability, performance, no polarity, and allow design engineers to downsize designs with various package options from 0402 X5R 1µF to 1210 X5R and X6S 100µF. This line of high volumetric multilayer capacitance ceramic chip capacitors (MLCC) has excellent high frequency noise absorption performance compared to tantalum and aluminum caps. For bypass/decoupling applications, MLCC is equivalent to 1/2 to 1/5 the capacitance value of a tantalum capacitor because impedance (ESR) of MLCC is lower at higher frequencies, above 100kHz. Consider Murata hi-cap as your tantalum capacitor replacement.



Recommended Capacitance of MLCC for Tantalum Cap. Replacement

Depending on the operating frequency, MLCC is equivalent to 1/2 to 1/10 capacitance value of tantalum cap. Because impedance (ESR) of MLCC is lower than tantalum cap. Refer to the impedance curve graph below.

Tantalum Cap.
1µF
2.2µF
4.7µF
10µF
22µF
47µF
100µF
220µF

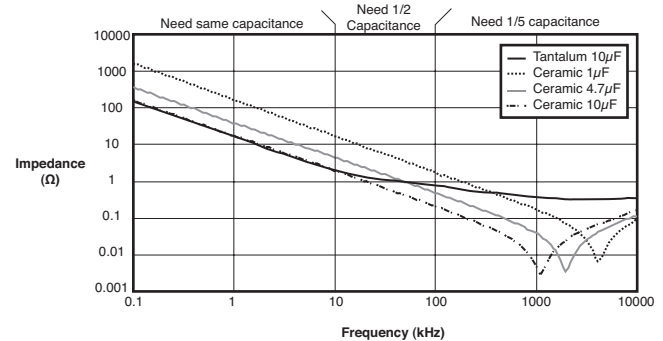
MLCC Recommended Cap.
0.1 to 0.47µF
0.22 to 1µF
0.47 to 2.2µF
1 to 4.7µF
2.2 to 10µF
4.7 to 22µF
10 to 47µF
22 to 100µF



RoHS Compliant

Impedance Curve of MLCC

It is important that capacitor's impedance is lower at ripple noise frequency.



Part No.	DIMENSIONS: mm				
	L	W	T	e Min.	g Min.
GRM155	1.0±0.05	0.5±0.05	0.5±0.05	0.15 to 0.35	0.3
GRM188	1.6±0.1	0.8±0.1	0.8±0.1	0.2 to 0.5	0.5
GRM219	2.0±0.1	1.25±0.1	0.85±0.1	0.2 to 0.7	0.7
GRM21B			1.25±0.1		
GRM319	3.2±0.15	1.6±0.15	0.85±0.1	0.3 to 0.8	1.5
GRM31M			1.15±0.1		
GRM31C	3.2±0.2	1.6±0.2	1.6±0.2	0.3	1.0
GRM32C			1.6±0.2		
GRM32D	3.2±0.3	2.5±0.2	2.0±0.2	0.3	1.0
GRM32E			2.5±0.2		
GRM32M	3.2±0.3	2.5±0.2	1.15±0.1	0.3	1.0
GRM32N			1.35±0.15		
GRM32R	4.5±0.4	3.2±0.3	1.8±0.2	0.3	2.0
GRM43E			2.5±0.2		
GRM43S	5.7±0.4	5.0±0.4	2.8±0.2	0.3	2.0
GRM55E			2.5±0.2		
GRM55R			1.8±0.2		

0402 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (µF)	Volt (DC)	Tol.±	Temperature Coefficient	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
81-GRM155R60J105KE19	GRM155R60J105KE19D	1.0	6.3	10%	X5R					10000	
81-GRM155R61A105KE15	GRM155R61A105KE15D	1.0	10	10%	X5R					10000	
81-GRM155F50J105ZE01	GRM155F50J105ZE01D	1.0	6.3	+80% -20%	Y5V					10000	

0603 Case Size

81-GRM188R70J105KA01	GRM188R70J105KA01D	1.0	6.3	10%	X7R					4000	
81-GRM188R71A105KA61	GRM188R71A105KA61D	1.0	10	10%	X7R					4000	
81-GRM188R71C105KA12	GRM188R71C105KA12D	1.0	16	10%	X7R					4000	
81-GRM39R105K6.3	GRM188R60J105KA01D	1.0	6.3	10%	X5R					4000	
81-GRM185R61A105KE36	GRM185R61A105KE36D	1.0	10	10%	X5R					4000	
81-GRM39R105K10	GRM188R61A105KA61D	1.0	10	10%	X5R					4000	
81-GRM185R61C105KE44	GRM185R61C105KE44D	1.0	16	10%	X5R					4000	
81-GRM39R105K16	GRM188R61C105KA93D	1.0	16	10%	X5R					4000	
81-GRM188R61E105KA12	GRM188R61E105KA12D	1.0	25	10%	X5R					4000	
81-GRM39Y105Z10D	GRM188F51A105ZA01D	1.0	10	+80% -20%	Y5V					4000	
81-GRM188F51C105ZA01	GRM188F51C105ZA01D	1.0	16	+80% -20%	Y5V					4000	
81-GRM188F51E105ZA12	GRM188F51E105ZA12D	1.0	25	+80% -20%	Y5V					4000	
81-GRM188R71A225KE15	GRM188R71A225KE15D	2.2	10	10%	X7R					4000	
81-GRM185R60J225KE26	GRM185R60J225KE26D	2.2	6.3	10%	X5R					4000	
81-GRM18R60J225KE19D	GRM188R60J225KE19D	2.2	6.3	10%	X5R					4000	
81-GRM188R61A225KE34	GRM188R61A225KE34D	2.2	10	10%	X5R					4000	
81-GRM188R61C225KE15	GRM188R61C225KE15D	2.2	16	10%	X5R					4000	
81-GRM18F50J225ZE01D	GRM188F50J225ZE01D	2.2	6.3	+80% -20%	Y5V					4000	
81-GRM188F51A225ZE01D	GRM188F51A225ZE01D	2.2	10	+80% -20%	Y5V					4000	
81-GRM18R60J475KE19D	GRM188R60J475KE19D	4.7	6.3	10%	X5R					4000	
81-GRM188F50J475ZE20D	GRM188F50J475ZE20D	4.7	6.3	+80% -20%	Y5V					4000	
81-GRM188F51A475ZE20D	GRM188F51A475ZE20D	4.7	10	+80% -20%	Y5V					4000	
81-GRM188R60G106ME47	GRM188R60G106ME47D	10	4	20%	X5R					4000	
81-GRM188R60J106ME47	GRM188R60J106ME47D	10	6.3	20%	X5R					4000	
81-GRM188R60G226ME0L	GRM188R60G226MEA0L	22	4	20%	X5R					4000	

0805 Case Size

81-GRM40X105K10L	GRM21BR71A105KA01L	1.0	10	10%	X7R					3000	
81-GRM40X105K16K	GRM21BR71C105KA01K	1.0	16	10%	X7R					10000	
81-GRM40X105K16L	GRM21BR71C105KA01L	1.0	16	10%	X7R					3000	
81-GRM21BR71E105KA99	GRM21BR71E105KA99L	1.0	25	10%	X7R					3000	
81-GRM21F51C105ZA01D	GRM21F51C105ZA01D	1.0	16	+80% -20%	Y5V					4000	
81-GRM40Y105Z16L	GRM21BF51C105ZA01L	1.0	16	+80% -20%	Y5V					3000	
81-GRM21F51E105ZA01D	GRM21F51E105ZA01D	1.0	25	+80% -20%	Y5V					4000	
81-GRM21F51H105ZA12L	GRM21BF51H105ZA12L	1.0	50	+80% -20%	Y5V					3000	
81-GRM21R60J225KA01L	GRM21BR60J225KA01L	2.2	6.3	10%	X5R					3000	
81-GRM21R61C225KA88L	GRM21BR61C225KA88L	2.2	16	10%	X5R					3000	
81-GRM21R61C225K88D	GRM21R61C225K88D	2.2	16	10%	X5R					4000	
81-GRM21R61E225K	GRM21R61E225KA12D	2.2	25	10%	X5R					4000	
81-GRM21R60J226ME39L	GRM21BR60J226ME39L	22	6.3	20%	X5R					3000	
81-GRM21BR71A225KA01L	GRM21BR71A225KA01L	2.2	10	10%	X7R					3000	
81-GRM21BR71C225KA12L	GRM21BR71C225KA12L	2.2	16	10%	X7R					3000	
81-GRM21BR71E225KA73L	GRM21BR71E225KA73L	2.2	25	10%	X7R					3000	
81-GRM40Y5V225Z010AL	GRM21BF51A225ZA01L	2.2	10	+80% -20%	Y5V					3000	
81-GRM40Y5V225Z016AL	GRM21BF51C225ZA01L	2.2	16	+80% -20%	Y5V					3000	
81-GRM40Y225Z25L	GRM21BF51E225ZA01L	2.2	25	+80% -20%	Y5V					3000	
81-GRM21BR60J335K	GRM21BR60J335KA11L	3.3	6.3	10%	X5R					3000	

MURATA Hi-Cap Multilayer Ceramic Chip Capacitors



RoHS Compliant This product is RoHS compliant.

CERAMIC CHIP CAPACITORS (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (µF)	Volt (DC)	Tol.±	Temperature Coefficient	Price Each				Reel Qty.	Price per Piece
						1	50	100	500		
0805 Case Size (Cont.)											
81-GRM40034R475K6L	GRM21BR60J475KA11L	4.7	6.3	10%	X5R					3000	
81-GRM21BR61A475KA73	GRM21BR61A475KA73L	4.7	10	10%	X5R					3000	
81-GRM21BR61E475KA12	GRM21BR61E475KA12L	4.7	25	10%	X5R					3000	
81-GRM21BR71C475KA73L	GRM21BR71C475KA73L	4.7	16	10%	X7R					3000	
81-GRM40Y5V475Z010AL	GRM21BF51A475ZA01L	4.7	10	+80%-20%	Y5V					3000	
81-GRM21BF51E475ZA01	GRM21BF51E475ZA01L	4.7	25	+80%-20%	Y5V					3000	
81-GRM21BR60J106ME19	GRM21BR60J106ME19L	10	6.3	20%	X5R					3000	
81-GRM21R60J106KE19L	GRM21BR60J106KE19L	10	6.3	10%	X5R					3000	
81-GRM21BR61A106KE19	GRM21BR61A106KE19L	10	10	10%	X5R					3000	
81-GRM21BR61C106KE15	GRM21BR61C106KE15L	10	16	10%	X5R					3000	
81-GRM21BR61E106KA3L	GRM21BR61E106KA73L	10	25	10%	X5R					3000	
81-GRM21BR70J106KE76	GRM21BR70J106KE76L	10	6.3	10%	X7R					3000	
81-GRM21BR71A106KE51	GRM21BR71A106KE51L	10	10	10%	X7R					3000	
81-GRM21BC81C106KA3L	GRM21BC81C106KA73L	10	16	10%	X6S					3000	
81-GRM21F50J106ZE01L	GRM21BF50J106ZE01L	10	6.3	+80%-20%	Y5V					3000	
81-GRM21F51A106ZE15L	GRM21BF51A106ZE15L	10	10	+80%-20%	Y5V					3000	
81-GRM21BF51C106ZE15	GRM21BF51C106ZE15L	10	16	+80%-20%	Y5V					3000	
1206 Case Size											
81-GRM426X105K16L	GRM31MR71C105KA01L	1.0	16	10%	X7R					3000	
81-GRM31MR71E105KA01	GRM31MR71E105KA01L	1.0	25	10%	X7R					3000	
81-GRM31CR71H105KA61L	GRM31CR71H105KA61L	1.0	50	10%	X7R					2000	
81-GRM31MR71H105KA88L	GRM31MR71H105KA88L	1.0	50	10%	X7R					3000	
81-GRM31CR72A105KA01	GRM31CR72A105KA01L	1.0	100	10%	X7R					2000	
81-GRM319F51C105ZA01	GRM319F51C105ZA01D	1.0	16	+80%-20%	Y5V					4000	
81-GRM426Y105Z25L	GRM31MF51E105ZA01L	1.0	25	+80%-20%	Y5V					3000	
81-GRM426X225K010L	GRM31MR71A225KA01L	2.2	10	10%	X7R					3000	
81-GRM426X225K16L	GRM31MR71C225KA35L	2.2	16	10%	X7R					3000	
81-GRM31R71E225KA93L	GRM31MR71E225KA93L	2.2	25	10%	X7R					3000	
81-GRM31CR71H225KA88L	GRM31CR71H225KA88L	2.2	50	10%	X7R					2000	
81-GRM426Y5V225Z	GRM31MF51C225ZA01L	2.2	16	+80%-20%	Y5V					3000	
81-GRM31MF51E225Z	GRM31MF51E225ZA12L	2.2	25	+80%-20%	Y5V					3000	
81-GRM426R475K10L	GRM31CR61A475KA01L	4.7	10	10%	X5R					2000	
81-GRM31CR61C475KA	GRM31CR61C475KA01L	4.7	16	10%	X5R					2000	
81-GRM426X475K10L	GRM31CR71A475KA01L	4.7	10	10%	X7R					2000	
81-GRM31CR71E475KA88L	GRM31CR71E475KA88L	4.7	25	10%	X7R					2000	
81-GRM31F51A475ZA01L	GRM31MF51A475ZA01L	4.7	10	+80%-20%	Y5V					3000	
81-GRM31MF51C475Z	GRM31MF51C475ZA01L	4.7	16	+80%-20%	Y5V					3000	
81-GRM31F51H475ZA01L	GRM31CF51H475ZA01L	4.7	50	+80%-20%	Y5V					2000	
81-GRM426R106K10L	GRM31CR61A106KA01L	10	10	10%	X5R					2000	
81-GRM31MR61A106KE19	GRM31MR61A106KE19L	10	10	10%	X5R					3000	
81-GRM31CR61C106KA88L	GRM31CR61C106KA88L	10	16	10%	X5R					2000	
81-GRM31R61E106KA12L	GRM31CR61E106KA12L	10	25	10%	X5R					2000	
81-GRM319R61E106KA2D	GRM319R61E106KA12D	10	25	10%	X5R					4000	
81-GRM31CR6YA106KA2L	GRM31CR6YA106KA12L	10	35	10%	X5R					2000	
81-GRM426X106K6.3L	GRM31CR70J106KA01L	10	6.3	10%	X7R					2000	
81-GRM31CR71A106KA01	GRM31CR71A106KA01L	10	10	10%	X7R					2000	
81-GRM319C81C106KA2D	GRM319C81C106KA12D	10	16	10%	X6S					4000	
81-GRM31CC8YA106KA2L	GRM31CC8YA106KA12L	10	35	10%	X6S					2000	
81-GRM426Y106Z10L	GRM31MF51A106ZA01L	10	10	+80%-20%	Y5V					3000	
81-GRM31MF51C106ZA12	GRM31MF51C106ZA12L	10	16	+80%-20%	Y5V					3000	
81-GRM31CF51E106ZA01	GRM31CF51E106ZA01L	10	25	+80%-20%	Y5V					2000	
81-GRM31R60J226ME19L	GRM31CR60J226ME19L	22	6.3	20%	X5R					2000	
81-GRM31CR60J226KE19	GRM31CR60J226KE19L	22	6.3	10%	X5R					2000	
81-GRM31CF51A226ZE01	GRM31CF51A226ZE01L	22	10	+80%-20%	Y5V					2000	
81-GRM31CR61E226KE5L	GRM31CR61E226KE15L	22	25	10%	X5R					2000	
81-GRM426X476M6.3L	GRM31CR60J476ME19L	47	6.3	20%	X5R					2000	
81-GRM31CR61A476ME5L	GRM31CR61A476ME15L	47	10	20%	X5R					2000	
81-GRM31CC80J476ME8L	GRM31CC80J476ME18L	47	6.3	20%	X6S					2000	
1210 Case Size											
81-GRM422X105K50K	GRM32RR71H105KA01K	1.0	50	10%	X7R					4000	
81-GRM422X105K50L	GRM32RR71H105KA01L	1.0	50	10%	X7R					1000	
81-GRM32ER72A105KA01	GRM32ER72A105KA01L	1.0	100	10%	X7R					1000	
81-GRM32ER72A225KA35	GRM32ER72A225KA35L	2.2	100	10%	X7R					1000	
81-GRM32RR61E475KA12	GRM32RR61E475KA12L	4.7	25	10%	X5R					1000	
81-GRM32R71H475KA88L	GRM32ER71H475KA88L	4.7	50	10%	X7R					1000	
81-GRM422R106K10L	GRM32ER61A106KA01L	10	10	10%	X5R					1000	
81-GRM32R71C106KA01L	GRM32DR71C106KA01L	10	16	10%	X7R					1000	
81-GRM32DR71E106KA12	GRM32DR71E106KA12L	10	25	10%	X7R					1000	
81-GRM422Y106Z16L	GRM32NF51C106ZA01L	10	16	+80%-20%	Y5V					2000	
81-GRM32NF51E106ZA01	GRM32NF51E106ZA01L	10	25	+80%-20%	Y5V					2000	
81-GRM32DF51H106ZA01	GRM32DF51H106ZA01L	10	50	+80%-20%	Y5V					2000	
81-GRM32ER61C226KE20	GRM32ER61C226KE20L	22	16	10%	X5R					1000	
81-GRM32R71A226KE20L	GRM32ER71A226KE20L	22	10	10%	X7R					1000	
81-GRM32CF51A226ZA01	GRM32CF51A226ZA01L	22	10	+80%-20%	Y5V					2000	
81-GRM32CF51C226ZA12	GRM32CF51C226ZA12L	22	16	+80%-20%	Y5V					1000	
81-GRM32ER60J107ME20	GRM32ER60J107ME20L	100	6.3	20%	X5R					1000	
81-GRM32EF50J107ZE20	GRM32EF50J107ZE20L	100	6.3	+80%-20%	Y5V					1000	
1812 Case Size											
81-GRM432X7R225K50	GRM43ER71H225KA01L	2.2	50	10%	X7R					500	
81-GRM43ER72A225KA01	GRM43ER72A225KA01L	2.2	100	10%	X7R					500	
81-GRM43ER61C226KE01	GRM43ER61C226KE01L	22	16	10%	X5R					1000	
81-GRM43ER60J476KE01L	GRM43ER60J476KE01L	47	6.3	10%	X5R					500	
81-GRM43ER61A476KE19	GRM43ER61A476KE19L	47	10	10%	X5R					500	
81-GRM43SR60J107ME20	GRM43SR60J107ME20L	100	6.3	20%	X5R					500	
2220 Case Size											
81-GRM55RR71H105KA01	GRM55RR71H105KA01L	1.0	50	10%	X7R					1000	
81-GRM55ER72A475KA01	GRM55ER72A475KA01L	4.7	100	10%	X7R					500	

Murata Ceramic Caps, SMD

MURATA Multilayer Ceramic Chip Capacitors



CERAMIC CHIP CAPACITORS

RoHS Compliant This product is RoHS compliant.

Features:

- COG (NP0), X5R, X7R, Y5V, and Z5U Dielectrics
- 6.3, 10, 16, 25, 50, 100, 200, 250, and 500 Volts
- Available tolerances: $\pm 25\text{pF}$, $\pm 5\text{pF}$, $\pm 1\text{pF}$, 1%, 2%, 5%, 10%, 20%, +80/-20%
- Nickel Barrier Termination standard- highly resistant to metal migration
- No polarity
- For assistance with Global Part Numbers, please contact a Mouser representative



01005 Available only from Murata

DIMENSIONS: mm

Part No.	Case	L	W	T (max)	e	g min.
GRM022	01005	0.4 \pm 0.02	0.2 \pm 0.02	0.2 \pm 0.02	0.07 \pm 0.141	0.13
GRM033	0201	0.6 \pm 0.03	0.3 \pm 0.03	0.3 \pm 0.03	0.1 to 0.2	0.2

Style 01005

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coeff: X5R								
81-GRM022R60J681KD	GRM022R60J681KE19D	680	6.3	10%			20000	
81-GRM022R60J102KD	GRM022R60J102KE19D	1,000	6.3	10%			20000	
81-GRM022R60J152KD	GRM022R60J152KE19D	1,500	6.3	10%			20000	
81-GRM022R60J222KD	GRM022R60J222KE19D	2,200	6.3	10%			20000	
81-GRM022R60J332KD	GRM022R60J332KE19D	3,300	6.3	10%			20000	
81-GRM022R60J472KD	GRM022R60J472KE19D	4,700	6.3	10%			20000	
81-GRM022R60J682KD	GRM022R60J682KE19D	6,800	6.3	10%			20000	
81-GRM022R60J103KD	GRM022R60J103KE19D	10,000	6.3	10%			20000	

Style 0201 (Cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coeff: C0G (Cont.)								
81-GRM0335C1H8R2DD1D	GRM0335C1H8R2DD01D	8.2	50	0.5pF			15000	
81-GRM0335C1E9R0DD1D	GRM0335C1E9R0DD01D	9	25	0.5pF			15000	
81-GRM0335C1H9R0DD1D	GRM0335C1H9R0DD01D	9	50	0.5pF			15000	
81-GRM0335C1E100JD01	GRM0335C1E100JD01D	10	25	5%			15000	
81-GRM0335C1H100JD01	GRM0335C1H100JD01D	10	50	5%			15000	
81-GRM0335C1E120JD01	GRM0335C1E120JD01D	12	25	5%			15000	
81-GRM0335C1H120JD01	GRM0335C1H120JD01D	12	50	5%			15000	
81-GRM0335C1E150JD01	GRM0335C1E150JD01D	15	25	5%			15000	
81-GRM0335C1H150JD01	GRM0335C1H150JD01D	15	50	5%			15000	
81-GRM0335C1E180JD01	GRM0335C1E180JD01D	18	25	5%			15000	
81-GRM0335C1H180JD01	GRM0335C1H180JD01D	18	50	5%			15000	
81-GRM0335C1E220JD01	GRM0335C1E220JD01D	22	25	5%			15000	
81-GRM0335C1H220JD01	GRM0335C1H220JD01D	22	50	5%			15000	
81-GRM0335C1E270JD01	GRM0335C1E270JD01D	27	25	5%			15000	
81-GRM0335C1H270JD01	GRM0335C1H270JD01D	27	50	5%			15000	
81-GRM0335C1E330JD01	GRM0335C1E330JD01D	33	25	5%			15000	
81-GRM0335C1E390JD01	GRM0335C1E390JD01D	39	25	5%			15000	
81-GRM0335C1H390JD01	GRM0335C1H390JD01D	39	50	5%			15000	
81-GRM0335C1E470JD01	GRM0335C1E470JD01D	47	25	5%			15000	
81-GRM0335C1H470JD01	GRM0335C1H470JD01D	47	50	5%			15000	
81-GRM0335C1E560JD01	GRM0335C1E560JD01D	56	25	5%			15000	
81-GRM0335C1H560JD01	GRM0335C1H560JD01D	56	50	5%			15000	
81-GRM0335C1E680JD01	GRM0335C1E680JD01D	68	25	5%			15000	
81-GRM0335C1H680JD01	GRM0335C1H680JD01D	68	50	5%			15000	
81-GRM0335C1E820JD01	GRM0335C1E820JD01D	82	25	5%			15000	
81-GRM0335C1H820JD01	GRM0335C1H820JD01D	82	50	5%			15000	
81-GRM0335C1E101JD01	GRM0335C1E101JD01D	100	25	5%			15000	
81-GRM0335C1H101JD01	GRM0335C1H101JD01D	100	50	5%			15000	
Temperature Coefficient X7R								
81-GRM033R71E101KA1D	GRM033R71E101KA01D	100	25	10%			15000	
81-GRM033R71E151KA1D	GRM033R71E151KA01D	150	25	10%			15000	
81-GRM033R71E221KA1D	GRM033R71E221KA01D	220	25	10%			15000	
81-GRM033R71E331KA1D	GRM033R71E331KA01D	330	25	10%			15000	
81-GRM033R71E471KA1D	GRM033R71E471KA01D	470	25	10%			15000	
81-GRM033R71E681KA1D	GRM033R71E681KA01D	680	25	10%			15000	
81-GRM033R71E102KA1D	GRM033R71E102KA01D	1000	25	10%			15000	
81-GRM033R71E152KA01	GRM033R71E152KA01D	1500	25	10%			15000	
81-GRM033R71C222KA8D	GRM033R71C222KA88D	2200	16	10%			15000	
81-GRM033R71C332KA88	GRM033R71C332KA88D	3300	16	10%			15000	
81-GRM033R71A472KA1D	GRM033R71A472KA01D	4700	10	10%			15000	
81-GRM033R71A682KA1D	GRM033R71A682KA01D	6800	10	10%			15000	
81-GRM033R71A103KA1D	GRM033R71A103KA01D	.01 μ F	10	10%			15000	
Temperature Coefficient X5R								
81-GRM033R60J153KE1D	GRM033R60J153KE01D	.015 μ F	6.3	10%			15000	
81-GRM033R60J223KE1D	GRM033R60J223KE01D	.022 μ F	6.3	10%			15000	
81-GRM033R60J333KE01	GRM033R60J333KE01D	.033 μ F	6.3	10%			15000	
81-GRM033R60J473KE19	GRM033R60J473KE19D	.047 μ F	6.3	10%			15000	
81-GRM033R60J683KE9D	GRM033R60J683KE19D	.068 μ F	6.3	10%			15000	
81-GRM033R60J104KE19	GRM033R60J104KE19D	0.1 μ F	6.3	10%			15000	
81-GRM033R61A104KE5D	GRM033R61A104KE15D	0.1 μ F	10	10%			15000	

Style 0201

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coeff: C0G								
81-GRM0335C1H1R0CD01D	GRM0335C1H1R0CD01D	1	50	0.25pF			15000	
81-GRM0335C1E1R2CD01D	GRM0335C1E1R2CD01D	1.2	25	0.25pF			15000	
81-GRM0335C1H1R2CD01D	GRM0335C1H1R2CD01D	1.2	50	0.25pF			15000	
81-GRM0335C1E1R5CD01D	GRM0335C1E1R5CD01D	1.5	25	0.25pF			15000	
81-GRM0335C1H1R5CD01D	GRM0335C1H1R5CD01D	1.5	50	0.25pF			15000	
81-GRM0335C1H1R8CD01D	GRM0335C1H1R8CD01D	1.8	50	0.25pF			15000	
81-GRM0335C1E2R0CD01D	GRM0335C1E2R0CD01D	2	25	0.25pF			15000	
81-GRM0335C1H2R0CD01D	GRM0335C1H2R0CD01D	2	50	0.25pF			15000	
81-GRM0335C1E2R2CD01D	GRM0335C1E2R2CD01D	2.2	25	0.25pF			15000	
81-GRM0335C1H2R2CD01D	GRM0335C1H2R2CD01D	2.2	50	0.25pF			15000	
81-GRM0335C1E2R7CD01D	GRM0335C1E2R7CD01D	2.7	25	0.25pF			15000	
81-GRM0335C1E3R0CD01D	GRM0335C1E3R0CD01D	3	25	0.25pF			15000	
81-GRM0335C1H3R0CD01D	GRM0335C1H3R0CD01D	3	50	0.25pF			15000	
81-GRM0335C1E3R3CD01D	GRM0335C1E3R3CD01D	3.3	25	0.25pF			15000	
81-GRM0335C1H3R3CD01D	GRM0335C1H3R3CD01D	3.3	50	0.25pF			15000	
81-GRM0335C1E3R9CD01D	GRM0335C1E3R9CD01D	3.9	25	0.25pF			15000	
81-GRM0335C1H3R9CD01D	GRM0335C1H3R9CD01D	3.9	50	0.25pF			15000	
81-GRM0335C1E4R0CD01D	GRM0335C1E4R0CD01D	4	25	0.25pF			15000	
81-GRM0335C1H4R0CD01D	GRM0335C1H4R0CD01D	4	50	0.25pF			15000	
81-GRM0335C1E4R7CD01D	GRM0335C1E4R7CD01D	4.7	25	0.25pF			15000	
81-GRM0335C1H4R7CD01D	GRM0335C1H4R7CD01D	4.7	50	0.25pF			15000	
81-GRM0335C1H5R0CD01D	GRM0335C1H5R0CD01D	5	50	0.25pF			15000	
81-GRM0335C1E5R6DD01D	GRM0335C1E5R6DD01D	5.6	25	0.5pF			15000	
81-GRM0335C1H5R6DD01D	GRM0335C1H5R6DD01D	5.6	50	0.5pF			15000	
81-GRM0335C1E6R0DD01D	GRM0335C1E6R0DD01D	6	25	0.5pF			15000	
81-GRM0335C1H6R0DD01D	GRM0335C1H6R0DD01D	6	50	0.5pF			15000	
81-GRM0335C1E6R8DD01D	GRM0335C1E6R8DD01D	6.8	25	0.5pF			15000	
81-GRM0335C1H6R8DD01D	GRM0335C1H6R8DD01D	6.8	50	0.5pF			15000	
81-GRM0335C1E7R0DD01D	GRM0335C1E7R0DD01D	7	25	0.5pF			15000	
81-GRM0335C1H7R0DD01D	GRM0335C1H7R0DD01D	7	50	0.5pF			15000	
81-GRM0335C1E8R0DD01D	GRM0335C1E8R0DD01D	8	25	0.5pF			15000	
81-GRM0335C1H8R0DD01D	GRM0335C1H8R0DD01D	8	50	0.5pF			15000	
81-GRM0335C1E8R2DD01D	GRM0335C1E8R2DD01D	8.2	25	0.5pF			15000	

Ceramic Caps, SMD

Murata

MURATA Multilayer Ceramic Chip Capacitors



CERAMIC CHIP CAPACITORS (CONT.)

RoHS Compliant This product is RoHS compliant.

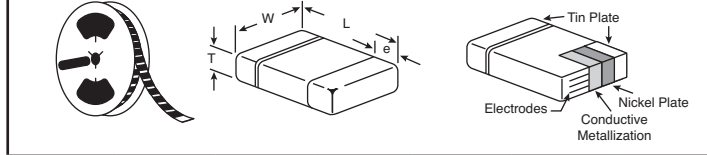


RoHS Compliant

Features:

- COG (NP0), X5R, X7R, Y5V, and Z5U dielectrics
- 6.3, 10, 16, 25, 50, and 100 Volts
- Available tolerances: $\pm 25\text{pF}$, $\pm 5\text{pF}$, $\pm 1\text{pF}$, 1%, 2%, 5%, 10%, 20%, +80/-20%
- Nickel barrier termination standard-highly resistant to metal migration
- No polarity
- For assistance with global part numbers, please contact a Mouser representative

DIMENSIONS: mm



Part No.	Case	L	W	T (max)	e	g min.
GRM155	0402	1.0 ± 0.05	0.5 ± 0.05	0.5 ± 0.05	0.15 to 0.3	0.4
GRM188	0603	1.6 ± 0.1	0.8 ± 0.1	0.8 ± 0.1	0.2 to 0.5	0.5

Style 0402

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G								
81-GRM36C0R5C50	GRM1555C1HR50CZ01D	0.5	50	0.25pF			10000	
81-GRM36C010B50	GRM1555C1H1R0BZ01D	1	50	0.1pF			10000	
81-GRM36C1R5C50	GRM1555C1H1R5CZ01D	1.5	50	0.25pF			10000	
81-GRM36C1H1R8CZ01	GRM1555C1H1R8CZ01D	1.8	50	0.25pF			10000	
81-GRM36C020C50	GRM1555C1H2R0CZ01D	2	50	0.25pF			10000	
81-GRM36C2R7C50	GRM1555C1H2R7CZ01D	2.7	50	0.25pF			10000	
81-GRM36C2R7B50	GRM1555C1H2R7BZ01D	2.7	50	0.1pF			10000	
81-GRM36C030C50	GRM1555C1H3R0CZ01D	3	50	0.25pF			10000	
81-GRM36C3R3C50	GRM1555C1H3R3CZ01D	3.3	50	0.25pF			10000	
81-GRM36C3R9C50	GRM1555C1H3R9CZ01D	3.9	50	0.25pF			10000	
81-GRM36C4R7C50	GRM1555C1H4R7CZ01D	4.7	50	0.25pF			10000	
81-GRM1555C1H100JZ01	GRM1555C1H100JZ01D	10	50	5%			10000	
81-GRM36C120J50	GRM1555C1H120JZ01D	12	50	5%			10000	
81-GRM36C150J50	GRM1555C1H150JZ01D	15	50	5%			10000	
81-GRM36C180J50	GRM1555C1H180JZ01D	18	50	5%			10000	
81-GRM36C220J50	GRM1555C1H220JZ01D	22	50	5%			10000	
81-GRM36C330J50	GRM1555C1H330JZ01D	33	50	5%			10000	
81-GRM36C470J50	GRM1555C1H470JZ01D	47	50	5%			10000	
81-GRM1555C1H121JA01	GRM1555C1H121JA01D	120	50	5%			10000	
81-GRM1555C1H151JA01	GRM1555C1H151JA01D	150	50	5%			10000	
81-GRM1555C1H471JA01	GRM1555C1H471JA01D	470	50	5%			10000	
81-GRM36X221J50	GRM155R71H221JA01D	220	50	5%			10000	
Temperature Coefficient: X7R								
81-GRM155R71H221KA01	GRM155R71H221KA01D	220	50	10%			10000	
81-GRM155R72A221KA1D	GRM155R72A221KA01D	220	100	10%			10000	
81-GRM36X331K50	GRM155R71H331KA01D	330	50	10%			10000	
81-GRM155R72A331KA1D	GRM155R72A331KA01D	330	100	10%			10000	
81-GRM36X471K50	GRM155R71H471KA01D	470	50	10%			10000	
81-GRM155R72A471KA1D	GRM155R72A471KA01D	470	100	10%			10000	
81-GRM155R71H681KA01D	GRM155R71H681KA01D	680	50	10%			10000	
81-GRM155R72A681KA1D	GRM155R72A681KA01D	680	100	10%			10000	
81-GRM36X102K50	GRM155R71H102KA01D	1000	50	10%			10000	
81-GRM155R72A102KA1D	GRM155R72A102KA01D	1000	100	10%			10000	
81-GRM36X152K50	GRM155R71H152KA01D	1500	50	10%			10000	
81-GRM155R72A152KA1D	GRM155R72A152KA01D	1500	100	10%			10000	
81-GRM36X222K50	GRM155R71H222KA01D	2200	50	10%			10000	
81-GRM155R72A222KA1D	GRM155R72A222KA01D	2200	100	10%			10000	
81-GRM36X332K50	GRM155R71H332KA01D	3300	50	10%			10000	
81-GRM155R72A332KA1D	GRM155R72A332KA01D	3300	100	10%			10000	
81-GRM36X472K25	GRM155R71E472KA01D	4700	25	10%			10000	
81-GRM155R71H472KA01	GRM155R71H472KA01D	4700	50	10%			10000	
81-GRM155R72A472KA01	GRM155R72A472KA01D	4700	100	10%			10000	
81-GRM155R71E682KA01D	GRM155R71E682KA01D	6800	25	10%			10000	
81-GRM155R71H682KA8D	GRM155R71H682KA88D	6800	50	10%			10000	
81-GRM36X103K16	GRM155R71C103KA01D	0.1 μ F	16	10%			10000	
81-GRM36X103K25	GRM155R71A473KA01D	0.1 μ F	25	10%			10000	
81-GRM155R71H103KA8D	GRM155R71H103KA88D	0.1 μ F	50	10%			10000	
81-GRM155R71C153KA1D	GRM155R71C153KA01D	0.15 μ F	16	10%			10000	
81-GRM155R71E153KA6D	GRM155R71E153KA61D	0.15 μ F	25	10%			10000	
81-GRM155R71H153KA2D	GRM155R71H153KA12D	0.15 μ F	50	10%			10000	
81-GRM155R71C223KA01D	GRM155R71C223KA01D	0.22 μ F	16	10%			10000	
81-GRM155R71E223KA6D	GRM155R71E223KA61D	0.22 μ F	25	10%			10000	
81-GRM155R71H223KA12	GRM155R71H223KA12D	0.22 μ F	50	10%			10000	
81-GRM36X333K10	GRM155R71A333KA01D	0.33 μ F	10	10%			10000	
81-GRM155R71E333KA8D	GRM155R71E333KA88D	0.33 μ F	25	10%			10000	
81-GRM36X473K10	GRM155R71A473KA01D	0.47 μ F	10	10%			10000	
81-GRM155R71C473KA01	GRM155R71C473KA01D	0.47 μ F	16	10%			10000	
81-GRM155R71E473KA88	GRM155R71E473KA88D	0.47 μ F	25	10%			10000	
81-GRM155R71A683KA1D	GRM155R71A683KA01D	0.68 μ F	10	10%			10000	
81-GRM155R71C683KA8D	GRM155R71C683KA88D	0.68 μ F	16	10%			10000	
81-GRM155R71C104KA88	GRM155R71C104KA88D	0.1 μ F	16	10%			10000	
Temperature Coefficient: X5R								
81-GRM155R61A154KE19D	GRM155R61A154KE19D	0.15 μ F	10	10%			10000	
81-GRM155R60J224KE01	GRM155R60J224KE01D	0.22 μ F	6.3	10%			10000	
81-GRM155R61A224KE19D	GRM155R61A224KE19D	0.22 μ F	10	10%			10000	
81-GRM155R60J334KE01	GRM155R60J334KE01D	0.33 μ F	6.3	10%			10000	
81-GRM155R61A334KE15D	GRM155R61A334KE15D	0.33 μ F	10	10%			10000	
81-GRM155R61A474KE15D	GRM155R61A474KE15D	0.47 μ F	10	10%			10000	

Style 0402 (Cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: X5R (Cont.)								
81-GRM155R61A684KE15D	GRM155R61A684KE15D	0.68 μ F	10	10%			10000	
Temperature Coefficient: Y5V								
81-GRM36Y104Z16	GRM155F51C104ZA01D	0.1 μ F	16	+80,-20			10000	
81-GRM36Y224Z10	GRM155F51A224ZE01D	0.22 μ F	10	+80,-20			10000	
81-GRM155F51A474ZE01	GRM155F51A474ZE01D	0.47 μ F	10	+80,-20			10000	

Style 0603

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G								
81-GRM39C0R5C50	GRM1885C1HR50CZ01D	0.5	50	.25pF			4000	
81-GRM1885C1H1R0BZ	GRM1885C1H1R0BZ01D	1	50	0.1pF			4000	
81-GRM39C1R2B50	GRM1885C1H1R2BZ01D	1.2	50	0.1pF			4000	
81-GRM39C020C50	GRM1885C1H2R0CZ01D	2	50	.25pF			4000	
81-GRM39C2R2B50	GRM1885C1H2R2BZ01D	2.2	50	0.1pF			4000	
81-GRM39C3R9B50	GRM1885C1H3R9BZ01D	3.9	50	0.1pF			4000	
81-GRM39C4R7C50	GRM1885C1H4R7CZ01D	4.7	50	.25pF			4000	
81-GRM185C1H5R0CZ01D	GRM1885C1H5R0CZ01D	5	50	.25pF			4000	
81-GRM39C5R6C50	GRM1885C1H5R6CZ01D	5.6	50	.25pF			4000	
81-GRM1885C1H6R8CZ01	GRM1885C1H6R8CZ01D	6.8	50	.25pF			4000	
81-GRM39C8R2C50	GRM1885C1H8R2CZ01D	8.2	50	.25pF			4000	
81-GRM39C100D50	GRM1885C1H100JA01D	10	50	5%			4000	
81-GRM39C120J50	GRM1885C1H120JA01D	12	50	5%			4000	
81-GRM39C150J50	GRM1885C1H150JA01D	15	50	5%			4000	
81-GRM39C180J50	GRM1885C1H180JA01D	18	50	5%			4000	
81-GRM39C200J50	GRM1885C1H200JA01D	20	50	5%			4000	
81-GRM39C220J50	GRM1885C1H220JA01D	22	50	5%			4000	
81-GRM1885C2A220JA01	GRM1885C2A220JA01D	22	100	5%			4000	
81-GRM1885C1H270JA01	GRM1885C1H270JA01D	27	50	5%			4000	
81-GRM39C330J50	GRM1885C1H330JA01D	33	50	5%			4000	
81-GRM39C360J50	GRM1885C1H360JA01D	36	50	5%			4000	
81-GRM39C470J50	GRM1885C1H470JA01D	47	50	5%			4000	
81-GRM39C680J50	GRM1885C1H680JA01D	68	50	5%			4000	
81-GRM39C101J50	GRM1885C1H101JA01D	100	50	5%			4000	
81-GRM39C121J50	GRM1885C1H121JA01D	120	50	5%			4000	
81-GRM39C151J50	GRM1885C1H151JA01D	150	50	5%			4000	
81-GRM39C221J050	GRM1885C1H221JA01D	220	50	5%			4000	
81-GRM39C271J50	GRM1885C1H271JA01D	270	50	5%			4000	
81-GRM39C331J50	GRM1885C1H331JA01D	330	50	5%			4000	
81-GRM39C								

MURATA Multilayer Ceramic Chip Capacitors



CERAMIC CHIP CAPACITORS (CONT.)

This product is RoHS compliant.

Features:

- No polarity
- COG (NP0), X5R, X7R, Y5V, and Z5U dielectrics
- 6.3, 10, 16, 25, 35 to 50, and 100 Volts
- Available tolerances: ±25pF, ±5pF, ±1pF, 1%, 2%, 5%, 10%, 20%, +80/-20%
- Nickel barrier termination standard-highly resistant to metal migration
- For assistance with global part numbers, please contact a Mouser representative



RoHS Compliant

Style 0603 (Cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coeff: X5R								
81-GRM39R474K10	GRM188R61A474KA61D	0.47µF	10	10%			4000	
Temperature Coeff: Y5R								
81-GRM39Y104Z16D	GRM188F51C104ZA01D	0.1µF	16	+80,-20			4000	
81-GRM39Y104Z25D	GRM188F51E104ZA01D	0.1µF	25	+80,-20			4000	
81-GRM39Y224Z16D	GRM188F51C224ZA01D	0.22µF	16	+80,-20			4000	

Style 0805

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coeff: COG								
81-GRM40C010C50D	GRM2165C1H1R0C0D1D	1	50	±25pF			4000	
81-GRM40C1R5C50D	GRM2165C1H1R5C0D1D	1.5	50	±25pF			4000	
81-GRM40C2R2C50D	GRM2165C1H2R2C0D1D	2.2	50	±25pF			4000	
81-GRM2165C1H3R0C0D	GRM2165C1H3R0C0D1D	3	50	±25pF			4000	
81-GRM2165C1H4R0C0D	GRM2165C1H4R0C0D1D	4	50	±25pF			4000	
81-GRM40C4R7C50D	GRM2165C1H4R7C0D1D	4.7	50	±25pF			4000	
81-GRM40C5R6C50D	GRM2165C1H5R6C0D1D	5.6	50	±25pF			4000	
81-GRM2165C1H6R8C0D1	GRM2165C1H6R8C0D1D	6.8	50	±25pF			4000	
81-GRM2165C1H7R0CZ	GRM2165C1H7R0CZ01D	7	50	±25pF			4000	
81-GRM40C8R2C50D	GRM2165C1H8R2CZ01D	8.2	50	±25pF			4000	
81-GRM40C100D50D	GRM2165C1H100JZ01D	10	50	5%			4000	
81-GRM2165C1H120JZ	GRM2165C1H120JZ01D	12	50	5%			4000	
81-GRM40C150J50D	GRM2165C1H150JZ01D	15	50	5%			4000	
81-GRM40C180J50D	GRM2165C1H180JZ01D	18	50	5%			4000	
81-GRM40C200J50D	GRM2165C1H200JZ01D	20	50	5%			4000	
81-GRM2165C1H220JZ	GRM2165C1H220JZ01D	22	50	5%			4000	
81-GRM40C270J50D	GRM2165C1H270JZ01D	27	50	5%			4000	
81-GRM2165C1H330JZ	GRM2165C1H330JZ01D	33	50	5%			4000	
81-GRM40C390J50D	GRM2165C1H390JZ01D	39	50	5%			4000	
81-GRM2165C1H470JZ	GRM2165C1H470JZ01D	47	50	5%			4000	
81-GRM40C680J50D	GRM2165C1H680JZ01D	68	50	5%			4000	
81-GRM2165C1H820JZ	GRM2165C1H820JZ01D	82	50	5%			4000	
81-GRM40C101J50D	GRM2165C1H101JA01D	100	50	5%			4000	
81-GRM215C2A101JA01D	GRM2165C2A101JA01D	100	100	5%			4000	
81-GRM2165C1H121JA	GRM2165C1H121JA01D	120	50	5%			4000	
81-GRM40C151J50D	GRM2165C1H151JA01D	150	50	5%			4000	
81-GRM2165C1H181JA	GRM2165C1H181JA01D	180	50	5%			4000	
81-GRM40C221J50D	GRM2165C1H221JA01D	220	50	5%			4000	
81-GRM40C331J50D	GRM2165C1H331JA01D	330	50	5%			4000	
81-GRM40C391J50D	GRM2165C1H391JA01D	390	50	5%			4000	
81-GRM215C2A471JA01L	GRM2165C2A471JA01L	470	100	5%			4000	
81-GRM40C561J50D	GRM2165C1H561JA01D	560	50	5%			4000	
81-GRM40C681J50D	GRM2165C1H681JA01D	680	50	5%			4000	
81-GRM40C102J50D	GRM2165C1H102JA01D	1000	50	5%			4000	
81-GRM2165C1H152JA01	GRM2165C1H152JA01D	1500	50	5%			4000	
81-GRM21A5C2E100JW1D	GRM21A5C2E100JW01D	10	250	5%			4000	
81-GRM21A5C2E120JW1D	GRM21A5C2E120JW01D	12	250	5%			4000	
81-GRM21A5C2E150JW1D	GRM21A5C2E150JW01D	15	250	5%			4000	
81-GRM21A5C2E180JW1D	GRM21A5C2E180JW01D	18	250	5%			4000	
81-GRM21A5C2E220JW1D	GRM21A5C2E220JW01D	22	250	5%			4000	
81-GRM21A5C2E270JW1D	GRM21A5C2E270JW01D	27	250	5%			4000	
81-GRM21A5C2E330JW1D	GRM21A5C2E330JW01D	33	250	5%			4000	
81-GRM21A5C2E390JW1D	GRM21A5C2E390JW01D	39	250	5%			4000	
81-GRM21A5C2E470JW1D	GRM21A5C2E470JW01D	47	250	5%			4000	
81-GRM21A5C2E560JW1D	GRM21A5C2E560JW01D	56	250	5%			4000	
81-GRM21A5C2E680JW1D	GRM21A5C2E680JW01D	68	250	5%			4000	
81-GRM21A5C2E820JW1D	GRM21A5C2E820JW01D	82	250	5%			4000	
81-GRM21A5C2E101JW1D	GRM21A5C2E101JW01D	100	250	5%			4000	
Temperature Coeff: X7R								
81-GRM40X221K50D	GRM216R71H221KA01D	220	50	10%			4000	
81-GRM40X471K50D	GRM216R71H471KA01D	470	50	10%			4000	
81-GRM40X102K50D	GRM216R71H102KA01D	1000	50	10%			4000	
81-GRM40X102K100D	GRM219R72A102KA01D	1000	100	10%			4000	
81-GRM40X152K50D	GRM216R71H152KA01D	1500	50	10%			4000	
81-GRM40X222K50D	GRM216R71H222KA01D	2200	50	10%			4000	
81-GRM40X332K50D	GRM216R71H332KA01D	3300	50	10%			4000	
81-GRM40X392K50D	GRM216R71H392KA01D	3900	50	10%			4000	
81-GRM216R71H472KA	GRM216R71H472KA01D	4700	50	10%			4000	
81-GRM40X682K50D	GRM216R71H682KA01D	6800	50	10%			4000	
81-GRM216R71E103KA01	GRM216R71E103KA01D	10000	25	10%			4000	
81-GRM40X103K50D	GRM216R71H103KA01D	10000	50	10%			4000	
81-GRM40X153K50D	GRM216R71H153KA01D	15000	50	10%			4000	
81-GRM40X223K50D	GRM216R71H223KA01D	22000	50	10%			4000	

DIMENSIONS: mm					
Part No.	L	W	T (max)	e	g min.
GRM188	1.6 ±0.1	0.8 ±0.1	0.8 ±0.1	0.2 to 0.5	0.5
GRM216	2.0 ±0.1	1.25 ±0.1	0.6 ±0.1	0.2 to 0.7	0.7
GRM219			0.85 ±0.1		
GRM21B			1.25 ±0.1		
GRM316	3.2 ±0.15	1.6 ±0.15	0.6 ±0.1	0.3 to 0.8	1.5
GRM319			0.85 ±0.1		
GRM31M			1.15 ±0.1		
GRM32M	3.2 ±0.3	2.5 ±0.2	1.15 ±0.1	0.3	1.0
GRM32N	3.2 ±0.2	2.5 ±0.2	1.35 ±0.15	0.3	1.0
GRM43R	4.5 ±0.4	3.2 ±0.3	1.8 ±0.2	0.3	2.0

Style 0805 (Cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coeff: X7R (Cont.)								
81-GRM40X333K50D	GRM219R71H333KA01D	33000	50	10%			4000	
81-GRM40X473K25L	GRM219R71E473KA01L	47000	25	10%			3000	
81-GRM40X473K50L	GRM21BR71H473KA01L	47000	50	10%			3000	
81-GRM40X683K50L	GRM21BR71H683KA01L	68000	50	10%			3000	
81-GRM40X104K16D	GRM219R71C104KA01D	0.1µF	16	10%			4000	
81-GRM40X104K25L	GRM21BR71E104KA01L	0.1µF	25	10%			3000	
81-GRM40X104K50L	GRM21BR71H104KA01L	0.1µF	50	10%			3000	
81-GRM40X154K16L	GRM21BR71C154KA01L	0.15µF	16	10%			3000	
81-GRM40X7R22AK050AL	GRM21BR71H224KA01L	0.22µF	50	10%			3000	
81-GRM40X334K16L	GRM21BR71C334KA01L	0.33µF	16	10%			3000	
81-GRM40X474K16L	GRM219R71C474KC01L	0.47µF	16	10%			3000	
Temperature Coeff: Y5V								
81-GRM40Y104Z25D	GRM216F51E104ZA01D	0.1µF	25	+80,-20			4000	
81-GRM40Y104Z50D	GRM219F51H104ZA01D	0.1µF	50	+80,-20			4000	
81-GRM40Y224Z25D	GRM219F51E224ZA01D	0.22µF	25	+80,-20			4000	
81-GRM40Y474Z16L	GRM21BF51C474ZA01L	0.47µF	16	+80,-20			3000	
81-GRM40Y5V474Z025AL	GRM21BF51E474ZA01L	0.47µF	25	+80,-20			3000	
Temperature Coeff: Z5U								
81-GRM40Z473M50D	GRM216E41H473MA01D	47000	50	20%			4000	
81-GRM40Z104M50D	GRM219E41H104MA01D	0.1µF	50	20%			4000	

Style 1206

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
Temperature Coeff: COG								
81-GRM426C180J050D	GRM3165C1H180JZ01D	18pF	50	5%			4000	
81-GRM315C1H470JZ01D	GRM3165C1H470JZ01D	47pF	50	5%			4000	
81-GRM426C221J050D	GRM3165C1H221JZ01D	220pF	50	5%			4000	
Temperature Coeff: X7R								
81-GRM319R71H102KA01	GRM319R71H102KA01D	1000	50	10%			4000	
81-GRM319R71H103KA01	GRM319R71H103KA01D	0.01µF	50	10%			4000	
81-GRM426X223K50D	GRM319R71H223KA01D	0.022µF	50	10%			4000	
81-GRM426X473K50D	GRM319R71H473KA01D	0.047µF	50	10%			4000	
81-GRM426X104K50L	GRM319R71H104KA01L	0.1µF	50	10%			3000	
81-GRM31MR71H154KA01	GRM31MR71H154KA01L	0.15µF	50	10%			3000	
81-GRM426X224K25L	GRM31MR71E224KA01L	0.22µF	25	10%			3000	
81-GRM319R71H224KA	GRM319R71H224KA01D	0.22µF	50	10%			4000	

MURATA High Voltage Ceramic Chip Capacitors



GR4 SERIES HIGH VOLTAGE MULTILAYER SMD CERAMIC CHIP CAPACITORS

RoHS Compliant This product is RoHS compliant.

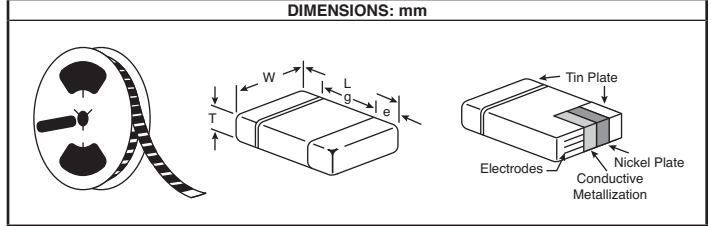
Features:

- Lead Free
- 250V - 3.15kV
- Meets special Hi-Voltage needs
- Base metal and lead-free technology
- GA3 is safety Rated (Y2/Y3)
- Operating Temperature: -55°C to +125°C
- Temperature Coefficient: X7R



RoHS Compliant

DIMENSIONS: mm

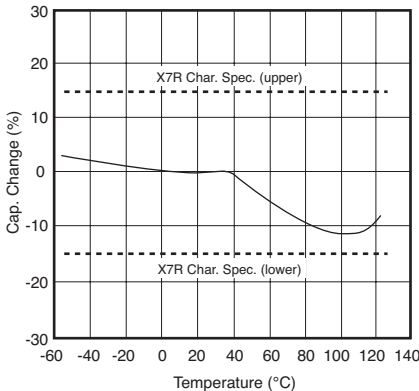


Application Selection Guide				
Series		GRM	GR4	GA3
Modem	DAA Modem	•		•
	xDSL Modem	•		•
Network	Set Top Box	•	•	•
	LAN, Router, HUB, Switch, etc.	•	•	
Flat Panel Display	LCD Back Light Inverter	•		
	PDP Panel	•		
Power Supply	Switching Power Supply, AC Adapter	•	•	•
	DC/DC Converter	•	•	
	Battery Charger for Cellphone	•		•
Lighting	Electric Ballast for Fluorescent Lamp	•		•
	Electric Ballast for CFL	•		•

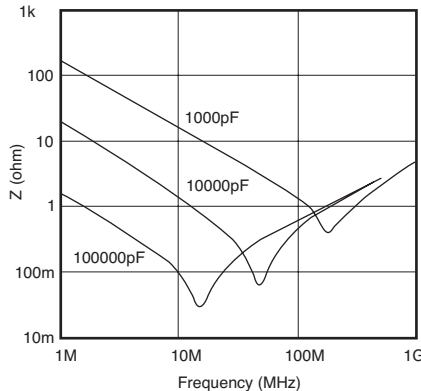
Part No.	L	W	T (max)	e	g min.
GR431C	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2	0.3 min.	1.2
GR442Q	4.5 ±0.3	2.0 ±0.2	1.5 +0,-0.3		2.5
GR443D	4.5 ±0.4	3.2 ±0.3	2.0 +0,-0.3		1.2
GR443Q	4.5 ±0.4	3.2 ±0.3	1.5 +0,-0.3		
GR731B	3.2 ±0.2	1.6 ±0.2	1.25 +0,-0.3		
GR731C	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2		
GR732D	3.2 ±0.2	2.5 ±0.2	2.0 +0,-0.3		
GR732Q	3.2 ±0.2	2.5 ±0.2	1.5 +0,-0.3		

Murata Ceramic Caps, SMD

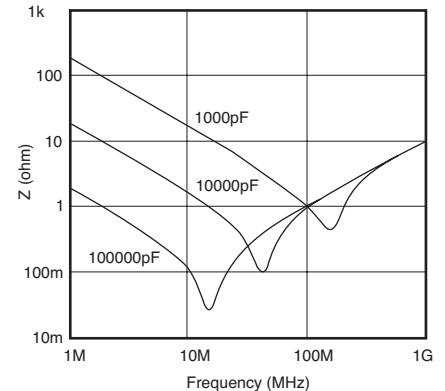
X7R Characteristics



GR4 Series (X7R Char. 250V)



GR4 Series (X7R Char. 2KV)



• Isolation Lan Ethernet and DC/DC only • Satisfies IEEE 802.3 requirements

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Vdc (V)	Tolerance ±	Price Each				Reel Qty.	Price Per Piece
					1	50	100	500		
1808 Case Size - for Information Devices / Tip & Ring										
81-GR442QR73D101KW01	GR442QR73D101KW01L	100	2KV	±10%					2000	
81-GR442QR7LB101KW01	GR442QR7LB101KW01L	100	3KV	±10%					2000	
81-GR442QR73D151KL	GR442QR73D151KW01L	150	2KV	±10%					2000	
81-GR442QR73D221KL	GR442QR73D221KW01L	220	2KV	±10%					2000	
81-GR442QR73D331KL	GR442QR73D331KW01L	330	2KV	±10%					2000	
81-GR442QR73D471KL	GR442QR73D471KW01L	470	2KV	±10%					2000	
81-GR442QR73D681KL	GR442QR73D681KW01L	680	2KV	±10%					2000	
81-GR442QR73D102KW01	GR442QR73D102KW01L	1000	2KV	±10%					2000	
81-GR442QR73D152KW01	GR442QR73D152KW01L	1500	2KV	±10%					2000	
81-GR442QR7LB152KW01	GR442QR7LB152KW01L	1500	3KV	±10%					2000	
1812 Case Size - for Information Devices / Tip & Ring										
81-GR443QR73D102KW01	GR443QR73D102KW01L	1000	2KV	±10%					2000	
81-GR443QR73D182KL	GR443QR73D182KW01L	1800	2KV	±10%					2000	
81-GR443QR73D222KW01	GR443QR73D222KW01L	2200	2KV	±10%					2000	
81-GR443QR7LB222KW01	GR443QR7LB222KW01L	2200	3KV	±10%					2000	
81-GR443QR73D272KL	GR443QR73D272KW01L	2700	2KV	±10%					2000	
81-GR443QR73D332KL	GR443QR73D332KW01L	3300	2KV	±10%					2000	
81-GR443QR73D392KW01	GR443QR73D392KW01L	3900	2KV	±10%					2000	
81-GR443DR73D472KW01	GR443DR73D472KW01L	4700	2KV	±10%					2000	
1206 Case Size - for Camera Flash Circuits										
81-GR731CR72E153KL	GR731CR72E153KW03L	.015µF	250	±10%					2000	
81-GR731CR72E223KL	GR731CR72E223KW03L	.022µF	250	±10%					2000	
1210 Case Size - for Camera Flash Circuits										
81-GR732DR72E473KL	GR732DR72E473KW01L	.047µF	250	±10%					2000	

MURATA High Voltage Ceramic Chip Capacitors



GRM SERIES HIGH VOLTAGE MULTILAYER SMD CERAMIC CHIP CAPACITORS

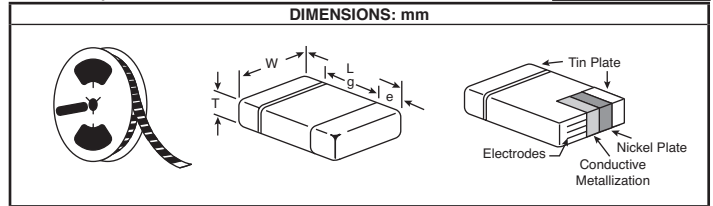


This product is RoHS compliant.



Features:

- Lead Free
- 250V - 3.15KV
- Meets special Hi-Voltage needs
- Base metal and lead-free technology
- Operating Temperature: -55°C to +125°C



Application Selection Guide				
Series		GRM	GR4	GA3
Modem	DAA Modem	•		•
	xDSL Modem	•		•
Network	Set Top Box	•	•	•
	LAN, Router, HUB, Switch, etc.	•	•	
Flat Panel Display	LCD Back Light Inverter	•		
	PDP Panel	•		
Power Supply	Switching Power Supply, AC Adapter	•	•	•
	DC/DC Converter	•	•	
	Battery Charger for Cellphone	•		•
Lighting	Electric Ballast for Fluorescent Lamp	•		•
	Electric Ballast for CFL	•		•

Part No.	L	W	T (max)	e	g min.
GRM31B	3.2 ±0.2	1.6 ±0.2	1.25 +0,-0.3	0.3 min.	1.2
GRM31C	3.2 ±0.2	1.6 ±0.2	1.6 +0.2		
GRM32B	3.2 ±0.2	1.6 ±0.2	1.25 +0,-0.3		
GRM32Q	3.2 ±0.3	2.5 ±0.2	1.5 +0,-0.3		
GRM32D	3.2 ±0.3	2.5 ±0.2	2 +0,-0.3		
GRM42D	4.5 ±0.4	2.0 ±0.2	2 +0,-0.3		2.2
GRM43D	4.5 ±0.4	3.2 ±0.3	2 +0,-0.3		
GRM43E	4.5 ±0.4	3.2 ±0.3	2.5 +0,-0.3		
GRM43Q	4.5 ±0.4	3.2 ±0.3	1.5 +0,-0.3		
GRM55D	5.7 ±0.4	5 ±0.4	2 +0,-0.3		

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (µF)	Vdc (V)	Tolerance ±	Price Each				Reel Qty.	Price Per Piece
					1	50	100	500		
1206 Case Size										
81-GRM31BR73A471KW01	GRM31BR73A471KW01L	470pF	1KV	10%					3000	
81-GRM31BR73A511KW01	GRM31BR73A511KW01L	510pF	1KV	10%					3000	
81-GRM31BR73A102KW01	GRM31BR73A102KW01L	1000pF	1KV	10%					3000	
81-GRM31BR72J102KW01	GRM31BR72J102KW01L	1000pF	630	10%					3000	
81-GRM31BR72J152KW01	GRM31BR72J152KW01L	1500pF	630	10%					3000	
81-GRM31BR73A152KW01	GRM31BR73A152KW01L	1500pF	1KV	10%					3000	
81-GRM31BR72J222KW01	GRM31BR72J222KW01L	2200pF	630	10%					3000	
81-GRM31BR73A222KW01	GRM31BR73A222KW01L	2200pF	1KV	10%					3000	
81-GRM31BR72J332KW01	GRM31BR72J332KW01L	3300pF	630	10%					3000	
81-GRM31BR72J472KW01	GRM31BR72J472KW01L	4700pF	630	10%					3000	
81-GRM31BR73A472KW01	GRM31BR73A472KW01L	4700pF	1KV	10%					3000	
81-GRM31BR72J682KW01	GRM31BR72J682KW01L	6800pF	630	10%					3000	
81-GRM31BR72J103KW01	GRM31BR72J103KW01L	0.01	630	10%					3000	
81-GRM31BR72E153KW01	GRM31BR72E153KW01L	0.015	250	10%					3000	
81-GRM31BR72E223KW01	GRM31BR72E223KW01L	0.022	250	10%					3000	
81-GRM31CR72J153KW03	GRM31CR72J153KW03L	0.015	630	10%					4000	
81-GRM31CR72E473KW03	GRM31CR72E473KW03L	0.047	250	10%					2000	
81-GRM31CR72E104KW03	GRM31CR72E104KW03L	0.1	250	10%					2000	
81-GRM31R72E333KW03L	GRM31CR72E333KW03L	0.033	250	10%					2000	
1210 Case Size										
81-GRM32BR72J102KW01	GRM32BR72J102KW01L	1000pF	630	10%					3000	
81-GRM32QR73A682KW01	GRM32QR73A682KW01L	6800pF	1KV	10%					1000	
81-GRM32QR73A103KW01	GRM32QR73A103KW01L	0.01	1KV	10%					2000	
81-GRM32DR73A153KL	GRM32DR73A153KW01L	0.015	1KV	10%					2000	
81-GRM32DR73A223KW01	GRM32DR73A223KW01L	0.022	1KV	10%					1000	
81-GRM32QR72J223KW01	GRM32QR72J223KW01L	0.022	630	10%					2000	
81-GRM32DR72J333KW01	GRM32DR72J333KW01L	0.033	630	10%					2000	
81-GRM32QR72E683KW01	GRM32QR72E683KW01L	0.068	250	10%					2000	
81-GRM32DR72E104KW01	GRM32DR72E104KW01L	0.1	250	10%					1000	
81-GRM32DR72E224KW01	GRM32DR72E224KW01L	0.22	250	10%					1000	
1808 Case Size										
81-GRM421X3F100JY02L	GRM42D1X3F100JY02L	10pF	3.15KV	5%					2000	
81-GRM421X3F120JY02L	GRM42D1X3F120JY02L	12pF	3.15KV	5%					2000	
81-GRM421X3F150JY02L	GRM42D1X3F150JY02L	15pF	3.15KV	5%					2000	
81-GRM421X3F180JY02L	GRM42D1X3F180JY02L	18pF	3.15KV	5%					2000	
81-GRM421X3F220JY02L	GRM42D1X3F220JY02L	22pF	3.15KV	5%					2000	
81-GRM421X3F270JY02L	GRM42D1X3F270JY02L	27pF	3.15KV	5%					2000	
81-GRM421X3F330JY02L	GRM42D1X3F330JY02L	33pF	3.15KV	5%					2000	
81-GRM421X3F560JY02L	GRM42D1X3F560JY02L	56pF	3.15KV	5%					2000	
81-GRM421X3F680JY02L	GRM42D1X3F680JY02L	68pF	3.15KV	5%					2000	
81-GRM421X3F820JY02L	GRM42D1X3F820JY02L	82pF	3.15KV	5%					2000	
1812 Case Size										
81-GRM43DR73A103KW21	GRM43DR73A103KW21L	0.01	1KV	10%					1000	
81-GRM43QR73A223KW1L	GRM43QR73A223KW01L	0.022	1KV	10%					1000	
81-GRM43DR73A333KW01	GRM43DR73A333KW01L	0.033	1KV	10%					1000	
81-GRM43DR73A473KW01	GRM43DR73A473KW01L	0.047	1KV	10%					1000	
81-GRM43QR72J683KW01	GRM43QR72J683KW01L	0.068	630	10%					1000	
81-GRM43DR72J104KW01	GRM43DR72J104KW01L	0.1	630	10%					1000	
81-GRM43R72E154KW01L	GRM43R72E154KW01L	0.15	250	10%					1000	
81-GRM43DR72E334KW01	GRM43DR72E334KW01L	0.33	250	10%					1000	
81-GRM43DR72E474KW01	GRM43DR72E474KW01L	0.47	250	10%					1000	
2220 Case Size										
81-GRM55DR73A104KW01	GRM55DR73A104KW01L	0.1	1KV	10%					1000	
81-GRM55DR72J154KL	GRM55DR72J154KW01L	0.15	630	10%					1000	
81-GRM55DR72J224KW01	GRM55DR72J224KW01L	0.22	630	10%					1000	
81-GRM55DR72E334KW01	GRM55DR72E334KW01L	0.33	250	10%					1000	
81-GRM55DR72E474KW01	GRM55DR72E474KW01L	0.47	250	10%					1000	
81-GRM55RR72E105K	GRM55DR72E105KW01L	1.0	250	10%					1000	

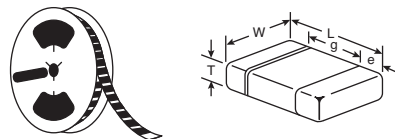
MURATA Automotive Capacitors



This product is RoHS compliant.

GCJ SERIES MEDIUM VOLTAGE SOFT TERMINATION TYPE

Committed to creating a low-carbon world, the automotive industry—as part of its responsibility to people and the planet—is rapidly computerizing and electrifying the vehicles produced to improve environmental compatibility. Murata's highly reliable electronic components, which take advantage of the heat resistance ceramic offer, help develop electronic control technology for vehicle systems and integrate electronics into onboard systems. Featuring low loss and highly reliable connection, our monolithic ceramic capacitors for high-power applications make it possible to downsize inverters and electrify ancillary units in electric and hybrid vehicles to achieve greater energy savings.



Dimensions: mm

Features:

- The GCJ series meet AEC-Q200 requirements.
- Improve the endurance against Board Bending Stress.
- Reduce the board bending stress by the conductive polymer termination.
- Use the GCJ31 type with flow or reflow soldering, and other types with reflow soldering only.

Applications:

- Automotive electronic equipment (Power-train, safety equipment)



Part Number	Dimensions: mm				
	L	W	T	e	g min.
GCJ188	1.6 ±0.2	0.8 ±0.1	0.8 ±0.1	0.2 to 0.5	0.5
GCJ216	2.0 ±0.3	1.25 ±0.2	0.6 ±0.1	0.2 to 0.7	0.7
GCJ219	2.0 ±0.3	1.25 ±0.2	0.85 ±0.1	0.2 to 0.7	0.7
GCJ21A	2.0 ±0.2	1.25 ±0.2	1.0 ±0.0-0.3	0.3 min.	0.7
GCJ21B	2.0 ±0.2	1.25 ±0.2	1.25 ±0.2	0.3 min.	0.7
GCJ31C	2.0 ±0.3	1.6 ±0.2	1.6 ±0.1	0.3 to 1.0	1.5
GCJ31M	2.0 ±0.3	1.6 ±0.3	1.15 ±0.2	0.3 to 1.0	1.5
GCJ31B	3.2 ±0.2	1.6 ±0.2	1.25 ±0.0-0.3	0.3 min.	1.2

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Temperature Coefficient	Tolerance	Price Each				Reel Qty.	Price Each	
						1	50	100	500			
0603 Case Size												
81-GCJ188R71C104KA1D	GCJ188R71C104KA01D	0.1µF	16	X7R	± 10%						4000	
81-GCJ188R71C474KA2D	GCJ188R71C474KA12D	0.47µF	16	X7R	± 10%						4000	
81-GCJ188R71E224KA2D	GCJ188R71E224KA12D	0.22µF	25	X7R	± 10%						4000	
81-GCJ188R71H102KA1D	GCJ188R71H102KA01D	1,000	50	X7R	± 10%						4000	
81-GCJ188R71H152KA1D	GCJ188R71H152KA01D	1,500	50	X7R	± 10%						4000	
81-GCJ188R71H222KA1D	GCJ188R71H222KA01D	2,200	50	X7R	± 10%						4000	
81-GCJ188R71H332KA1D	GCJ188R71H332KA01D	3,300	50	X7R	± 10%						4000	
81-GCJ188R71H472KA1D	GCJ188R71H472KA01D	4,700	50	X7R	± 10%						4000	
81-GCJ188R71H682KA1D	GCJ188R71H682KA01D	6,800	50	X7R	± 10%						4000	
81-GCJ188R71H103KA1D	GCJ188R71H103KA01D	10,000	50	X7R	± 10%						4000	
81-GCJ188R71H153KA1D	GCJ188R71H153KA01D	15,000	50	X7R	± 10%						4000	
81-GCJ188R71H223KA1D	GCJ188R71H223KA01D	22,000	50	X7R	± 10%						4000	
81-GCJ188R71H333KA2D	GCJ188R71H333KA12D	33,000	50	X7R	± 10%						4000	
81-GCJ188R71H473KA2D	GCJ188R71H473KA12D	47,000	50	X7R	± 10%						4000	
81-GCJ188R71H683KA2D	GCJ188R71H683KA12D	68,000	50	X7R	± 10%						4000	
81-GCJ188R71H104KA2D	GCJ188R71H104KA12D	0.1µF	50	X7R	± 10%						4000	
81-GCJ188R72A102KA1D	GCJ188R72A102KA01D	1,000	100	X7R	± 10%						4000	
81-GCJ188R72A152KA1D	GCJ188R72A152KA01D	1,500	100	X7R	± 10%						4000	
81-GCJ188R72A222KA1D	GCJ188R72A222KA01D	2,200	100	X7R	± 10%						4000	
81-GCJ188R72A332KA1D	GCJ188R72A332KA01D	3,300	100	X7R	± 10%						4000	
81-GCJ188R72A472KA1D	GCJ188R72A472KA01D	4,700	100	X7R	± 10%						4000	
81-GCJ188R72A682KA1D	GCJ188R72A682KA01D	6,800	100	X7R	± 10%						4000	
81-GCJ188R72A103KA1D	GCJ188R72A103KA01D	10,000	100	X7R	± 10%						4000	
81-GCJ188R72A153KA1D	GCJ188R72A153KA01D	15,000	100	X7R	± 10%						4000	
81-GCJ188R72A223KA1D	GCJ188R72A223KA01D	22,000	100	X7R	± 10%						4000	
0805 Case Size												
81-GCJ219R71C105KA1D	GCJ219R71C105KA01D	0.1µF	16	X7R	± 10%						4000	
81-GCJ21BR71C225KA3L	GCJ21BR71C225KA13L	2.2µF	16	X7R	± 10%						3000	
81-GCJ21BR71E105KA2L	GCJ21BR71E105KA12L	1µF	25	X7R	± 10%						3000	
81-GCJ216R71H102KA1D	GCJ216R71H102KA01D	1,000	50	X7R	± 10%						4000	
81-GCJ216R71H152KA1D	GCJ216R71H152KA01D	1,500	50	X7R	± 10%						4000	
81-GCJ216R71H222KA1D	GCJ216R71H222KA01D	2,200	50	X7R	± 10%						4000	
81-GCJ216R71H332KA1D	GCJ216R71H332KA01D	3,300	50	X7R	± 10%						4000	
81-GCJ216R71H472KA1D	GCJ216R71H472KA01D	4,700	50	X7R	± 10%						4000	
81-GCJ216R71H682KA1D	GCJ216R71H682KA01D	6,800	50	X7R	± 10%						4000	
81-GCJ216R71H103KA1D	GCJ216R71H103KA01D	10,000	50	X7R	± 10%						4000	
81-GCJ216R71H153KA1D	GCJ216R71H153KA01D	15,000	50	X7R	± 10%						4000	
81-GCJ216R71H223KA1D	GCJ216R71H223KA01D	22,000	50	X7R	± 10%						4000	
81-GCJ219R71H333KA1D	GCJ219R71H333KA01D	33,000	50	X7R	± 10%						4000	
81-GCJ21BR71H473KA1L	GCJ21BR71H473KA01L	47,000	50	X7R	± 10%						3000	
81-GCJ21BR71H683KA1L	GCJ21BR71H683KA01L	68,000	50	X7R	± 10%						3000	
81-GCJ21BR71H104KA1L	GCJ21BR71H104KA01L	0.1µF	50	X7R	± 10%						3000	
81-GCJ21BR71H224KA1L	GCJ21BR71H224KA01L	0.22µF	50	X7R	± 10%						3000	
81-GCJ21BR71H474KA2L	GCJ21BR71H474KA12L	0.47µF	50	X7R	± 10%						3000	
81-GCJ216R72A102KA1D	GCJ216R72A102KA01D	1,000	100	X7R	± 10%						4000	
81-GCJ216R72A152KA1D	GCJ216R72A152KA01D	1,500	100	X7R	± 10%						4000	
81-GCJ216R72A222KA1D	GCJ216R72A222KA01D	2,200	100	X7R	± 10%						4000	
81-GCJ216R72A332KA1D	GCJ216R72A332KA01D	3,300	100	X7R	± 10%						4000	
81-GCJ216R72A472KA1D	GCJ216R72A472KA01D	4,700	100	X7R	± 10%						4000	
81-GCJ216R72A682KA1D	GCJ216R72A682KA01D	6,800	100	X7R	± 10%						4000	
81-GCJ216R72A103KA1D	GCJ216R72A103KA01D	10,000	100	X7R	± 10%						4000	
81-GCJ216R72A153KA1D	GCJ216R72A153KA01D	15,000	100	X7R	± 10%						4000	
81-GCJ216R72A223KA1D	GCJ216R72A223KA01D	22,000	100	X7R	± 10%						4000	
81-GCJ219R72A333KA1D	GCJ219R72A333KA01D	33,000	100	X7R	± 10%						4000	
81-GCJ21BR72A473KA1L	GCJ21BR72A473KA01L	47,000	100	X7R	± 10%						3000	
81-GCJ21BR72A683KA1L	GCJ21BR72A683KA01L	68,000	100	X7R	± 10%						3000	
81-GCJ21BR72A104KA1L	GCJ21BR72A104KA01L	0.1µF	100	X7R	± 10%						3000	
81-GCJ21AR72E102KX1D	GCJ21AR72E102KXJ1D	1,000	250	X7R	± 10%						4000	
81-GCJ21AR72E152KX1D	GCJ21AR72E152KXJ1D	1,500	250	X7R	± 10%						4000	
81-GCJ21AR72E222KX1D	GCJ21AR72E222KXJ1D	2,200	250	X7R	± 10%						4000	
81-GCJ21AR72E332KX1D	GCJ21AR72E332KXJ1D	3,300	250	X7R	± 10%						4000	
81-GCJ21AR72E472KX1D	GCJ21AR72E472KXJ1D	4,700	250	X7R	± 10%						4000	
81-GCJ21AR72E682KX1D	GCJ21AR72E682KXJ1D	6,800	250	X7R	± 10%						4000	
81-GCJ21BR72E103KX3L	GCJ21BR72E103KXJ3L	10,000	250	X7R	± 10%						3000	
1206 Case Size												
81-GCJ31CR71A106KA3L	GCJ31CR71A106KA13L	10µF	10	X7R	± 10%						2000	
81-GCJ31CR71E475KA2L	GCJ31CR71E475KA12L	4.7µF	25	X7R	± 10%						2000	
81-GCJ31MR71H105KA2L	GCJ31MR71H105KA12L	1µF	50	X7R	± 10%						3000	
81-GCJ31CR71H225KA2L	GCJ31CR71H225KA12L	2.2µF	50	X7R	± 10%						2000	
81-GCJ31MR72A224KA1L	GCJ31MR72A224KA01L	0.22µF	100	X7R	± 10%						3000	
81-GCJ31BR72E153KX1L	GCJ31BR72E153KXJ1L	15,000	250	X7R	± 10%						3000	
81-GCJ31BR72E223KX1L	GCJ31BR72E223KXJ1L	22,000	250	X7R	± 10%						3000	
81-GCJ31CR72E333KX3L	GCJ31CR72E333KXJ3L	33,000	250	X7R	± 10%						2000	
81-GCJ31CR72E473KX3L	GCJ31CR72E473KXJ3L	47,000	250	X7R	± 10%						2000	
81-GCJ31BR72J102KX1L	GCJ31BR72J102KXJ1L	1,000	630	X7R	± 10%						3000	
81-GCJ31BR72J152KX1L	GCJ31BR72J152KXJ1L	1,500	630	X7R	± 10%						3000	
81-GCJ31BR72J222KX1L	GCJ31BR72J222KXJ1L	2,200	630	X7R	± 10%						3000	
81-GCJ31BR72J332KX1L	GCJ31BR72J332KXJ1L	3,300	630	X7R	± 10%						3000	
81-GCJ31BR72J472KX1L	GCJ31BR72J472KXJ1L	4,700	630	X7R	± 10%						3000	

MURATA Automotive Capacitors



This product is RoHS compliant.



GCJ SERIES MEDIUM VOLTAGE SOFT TERMINATION TYPE (CONT.)

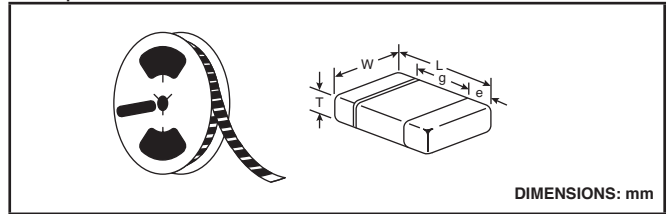
Committed to creating a low-carbon world, the automotive industry—as part of its responsibility to people and the planet—is rapidly computerizing and electrifying the vehicles produced to improve environmental compatibility. Murata's highly reliable electronic components, which take advantage of the heat resistance ceramics offer, help develop electronic control technology for vehicle systems and integrate electronics into onboard systems. Featuring low loss and highly reliable connection, our monolithic ceramic capacitors for high-power applications make it possible to downsize inverters and electrify ancillary units in electric and hybrid vehicles to achieve greater energy savings.

Features:

- The GCJ series meet AEC-Q200 requirements.
- Improve the endurance against Board Bending Stress.
- Reduce the board bending stress by the conductive polymer termination.
- Use the GCJ31 type with flow or reflow soldering, and other types with reflow soldering only.

Applications:

- Automotive electronic equipment (Power-train, safety equipment)



DIMENSIONS: mm

Part Number	Dimensions: mm				
	L	W	T	e	g min.
GCJ32D	3.2 ±0.3	2.5 ±0.2	2.0 +0/-0.3	0.3	1.2
GCJ32E	3.2 ±0.4	2.5 ±0.3	2.5 ±0.3	0.3	1.0
GCJ32Q	3.2±0.3	2.5±0.2	1.5+0,-0.3	0.3 min.	1.2
GCJ32D	3.2±0.3	2.5±0.2	2.0+0,-0.3	0.3 min.	1.2
GCJ43Q	4.5±0.4	3.2±0.3	1.5+0,-0.3	0.3 min.	2.2
GCJ43D	4.5±0.4	3.2±0.3	2.0+0,-0.3	0.3 min.	2.2
GCJ55D	5.7±0.4	5.0±0.4	2.0+0,-0.3	0.3 min.	3.2

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Temperature Coefficient	Tolerance	Price Each				Reel Qty.	Price Each	
						1	50	100	500			
1210 Case Size												
81-GCJ32ER71E106KA2L	GCJ32ER71E106KA12L	10µF	25	X7R	± 10%						1000	
81-GCJ32ER71H475KA2L	GCJ32ER71H475KA12L	4.7µF	50	X7R	± 10%						1000	
81-GCJ32DR72A225KA1L	GCJ32DR72A225KA01L	2.2µF	100	X7R	± 10%						1000	
81-GCJ32QR72E683KX1L	GCJ32QR72E683KXJ1L	68,000	250	X7R	± 10%						2000	
81-GCJ32DR72E104KX1L	GCJ32DR72E104KXJ1L	0.1 uF	250	X7R	± 10%						1000	
81-GCJ32QR72J682KX1L	GCJ32QR72J682KXJ1L	6,800	630	X7R	± 10%						2000	
81-GCJ32QR72J103KX1L	GCJ32QR72J103KXJ1L	10,000	630	X7R	± 10%						2000	
81-GCJ32DR72J153KX1L	GCJ32DR72J153KXJ1L	15,000	630	X7R	± 10%						1000	
81-GCJ32DR72J223KX1L	GCJ32DR72J223KXJ1L	22,000	630	X7R	± 10%						1000	
1812 Case Size												
81-GCJ43QR72E154KX1L	GCJ43QR72E154KXJ1L	0.15 uF	250	X7R	± 10%						1000	
81-GCJ43DR72E224KX1L	GCJ43DR72E224KXJ1L	0.22 uF	250	X7R	± 10%						1000	
81-GCJ43DR72J333KX1L	GCJ43DR72J333KXJ1L	33,000	630	X7R	± 10%						1000	
81-GCJ43DR72J473KX1L	GCJ43DR72J473KXJ1L	47,000	630	X7R	± 10%						1000	
2220 Case Size												
81-GCJ55DR72E334KX1L	GCJ55DR72E334KXJ1L	0.33 uF	250	X7R	± 10%						1000	
81-GCJ55DR72E474KX1L	GCJ55DR72E474KXJ1L	0.47 uF	250	X7R	± 10%						1000	
81-GCJ55DR72J104KX1L	GCJ55DR72J104KXJ1L	0.1 uF	630	X7R	± 10%						1000	

METAL TERMINAL MONOLITHIC CERAMIC CAPACITORS, 2220 CASE SIZE

Features:

- High reliability for thermal & mechanical stress
- Space saving and high capacitance value by stacking two MLCCs
- RoHS Compliant

KCM Series

- DC – DC Converters in automotive Engine Control Units



KCM Series	KRM Series	T Dimension (mm)
KCM55Q	KRM55Q	3.7 ±0.2
KCM55T	KRM55T	4.8 ±0.2
KCM55W	KRM55W	6.4 ±0.3

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (µF)	Volt (DC)	Temperature Coefficient	Tolerance	Price Each				Reel Qty.	Price Each	
						1	50	100	500			
81-KCM55QR71E226KH1K	KCM55QR71E226KH01K	22	25	X7R	±10%						2000	
81-KCM55WR71E476MH1K	KCM55WR71E476MH01K	47	25	X7R	±10%						2000	
81-KCM55QR71A176KH1K	KCM55QR71A176KH01K	17	35	X7R	±10%						2000	
81-KCM55WR71A336MH1K	KCM55WR71A336MH01K	33	35	X7R	±10%						2000	
81-KCM55QR71H106KH1K	KCM55QR71H106KH01K	10	50	X7R	±10%						2000	
81-KCM55WR71H226MH1K	KCM55WR71H226MH01K	22	50	X7R	±10%						2000	
81-KCM55QR71J106KH1K	KCM55QR71J106KH01K	10	63	X7R	±10%						2000	
81-KCM55WR71J226MH1K	KCM55WR71J226MH01K	22	63	X7R	±10%						2000	
81-KCM55LR72A475KH1K	KCM55LR72A475KH01K	4.7	100	X7R	±10%						2000	
81-KCM55QR72A685KH1K	KCM55QR72A685KH01K	6.8	100	X7R	±10%						2000	
81-KCM55TR72A106MH1K	KCM55TR72A106MH01K	10	100	X7R	±10%						2000	
81-KCM55WR72A156MH1K	KCM55WR72A156MH01K	15	100	X7R	±10%						2000	

KRM Series

Features:

- Reduce Acoustic noise caused by ceramic vibration

Applications:

- Power Supply Circuits



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (µF)	Volt (DC)	Temperature Coefficient	Tolerance	Price Each				Reel Qty.	Price Each	
						1	50	100	500			
81-KRM55QR71E226KH1K	KRM55QR71E226KH01K	22	25	X7R	±10%						2000	
81-KRM55WR71E476MH1K	KRM55WR71E476MH01K	47	25	X7R	±10%						2000	
81-KRM55QR71H106KH1K	KRM55QR71H106KH01K	10	50	X7R	±10%						2000	
81-KRM55WR71H226MH1K	KRM55WR71H226MH01K	22	50	X7R	±10%						2000	
81-KRM55QR71J106KH1K	KRM55QR71J106KH01K	10	63	X7R	±10%						2000	
81-KRM55WR71J226MH1K	KRM55WR71J226MH01K	22	63	X7R	±10%						2000	
81-KRM55LR72A475KH1K	KRM55LR72A475KH01K	4.7	100	X7R	±10%						2000	
81-KRM55QR72A685KH1K	KRM55QR72A685KH01K	6.8	100	X7R	±10%						2000	
81-KRM55TR72A106MH1K	KRM55TR72A106MH01K	10	100	X7R	±10%						2000	
81-KRM55WR72A156MH1K	KRM55WR72A156MH01K	15	100	X7R	±10%						2000	

Automotive Capacitors for Power Train/Safety Applications



GCM SERIES

RoHS Compliant This product is RoHS compliant.

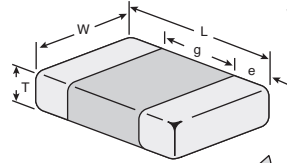
Modern vehicle design is driven by the need for increased comfort, safety and security. As a result, automobiles are becoming intelligent and increasingly reliant upon electronics. In the automotive sector, Murata's products are used in communication, safety, information, and power train systems, just to name a few. The acceptance of Murata's capacitor products in these applications is based upon the core competencies of Murata – ceramic material and processing technology. Murata's GCM series is designed for the more rigorous demands of safety, under-hood, and power train systems. The GCM series is designed specifically to meet the test conditions of the AEC-Q200.

Features:

- Meets AEC-Q200 requirements
- GCM15 and 32 types are suited for only reflow soldering
- GCM18, 21, and 31 types are suited for flow and reflow soldering
- GCM Series is offered with a nickel (Ni) barrier termination finished with matte tin (Sn) plating
- Available in paper or embossed tape and reel packaging for automatic placement
- The GCM Series is RoHS compliant.

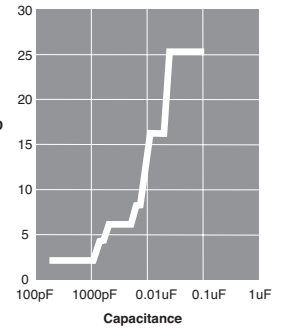


RoHS Compliant



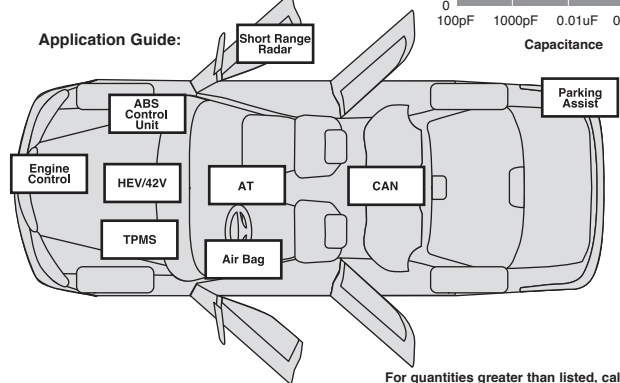
Withstanding ESD (kV)

ESD level based on AEC-Q200 test method [GCM18(0603)X7R]



Part No.	Dimensions: mm				
	L	W	T	e (Min.)	g (Min.)
GCM155	1.0±0.05	0.5±0.05	0.5±0.05	0.15 to 0.3	0.4
GCM188	1.6±0.1	0.8±0.1	0.8±0.1	0.2 to 0.5	0.5
GCM219	2.0±0.15	1.25±0.15	0.85±0.1	0.2 to 0.7	0.7
GCM21A	2.0±0.2	1.25±0.2	1.0±0.3	0.3	0.7
GCM21B	2.0±0.2	1.25±0.2	1.25±0.15	0.2 to 0.7	0.7
GCM319	3.2±0.15	1.6±0.15	0.85±0.1	0.3 to 0.8	1.5
GCM31M	3.2±0.15	1.6±0.15	1.15±0.1	0.3 to 0.8	1.5
GCM31A	3.2±0.2	1.6±0.2	1.25±0.3	0.3	1.5
GCM31C	3.2±0.2	1.6±0.2	1.6±0.2	0.3 to 0.8	1.5
GCM31B	3.2±0.2	1.6±0.2	1.25±0.3	0.3	1.2
GCM32E	3.2±0.3	2.5±0.2	2.5±0.2	0.3	1.0
GCM32A	3.2±0.2	2.5±0.2	1.0±0.3	0.3	1.5

Application Guide:



For quantities greater than listed, call for quote.

Temperature Characteristics				
Code	Temperature Coefficient	Temperature Range	Capacitance Change	Operating Temperature Range
5C	C0G	25° to 125°C	0 ±30ppm/°C	-55°C to +125°C
R7	X7R	-55°C to +125°C	±15%	-55°C to +125°C

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Temperature Coefficient	Case Size	Tolerance	Price Each				Reel Qty.	Price Per Piece
							1	50	100	500		
81-GCM1555C1H1R0CZ3D	GCM1555C1H1R0CZ13D	1.0	50	C0G	0402	±0.25pF					10000	
81-GCM1555C1H1R5C13D	GCM1555C1H1R5CZ13D	1.5	50	C0G	0402	±0.25pF					10000	
81-GCM1555C1H2R2C13D	GCM1555C1H2R2CZ13D	2.2	50	C0G	0402	±0.25pF					10000	
81-GCM1555C1H3R3C13D	GCM1555C1H3R3CZ13D	3.3	50	C0G	0402	±0.25pF					10000	
81-GCM1555C1H4R7C13D	GCM1555C1H4R7CZ13D	4.7	50	C0G	0402	±0.25pF					10000	
81-GCM1555C1H6R8D13D	GCM1555C1H6R8DZ13D	6.8	50	C0G	0402	±0.5pF					10000	
81-GCM1555C1H10JZ3D	GCM1555C1H10JZ13D	10	50	C0G	0402	5%					10000	
81-GCM1555C1H150J13D	GCM1555C1H150JZ13D	15	50	C0G	0402	5%					10000	
81-GCM1555C1H220J13D	GCM1555C1H220JZ13D	22	50	C0G	0402	5%					10000	
81-GCM1555C1H330J13D	GCM1555C1H330JZ13D	33	50	C0G	0402	5%					10000	
81-GCM1555C1H470J13D	GCM1555C1H470JZ13D	47	50	C0G	0402	5%					10000	
81-GCM1555C1H680J13D	GCM1555C1H680JZ13D	68	50	C0G	0402	5%					10000	
81-GCM1555C1H101JZ3D	GCM1555C1H101JZ13D	100	50	C0G	0402	5%					10000	
81-GCM1555C1H151J16D	GCM1555C1H151JA16D	150	50	C0G	0402	5%					10000	
81-GCM1555C1H221J16D	GCM1555C1H221JA16D	220	50	C0G	0402	5%					10000	
81-GCM1555C1H331J16D	GCM1555C1H331JA16D	330	50	C0G	0402	5%					10000	
81-GCM1555C1H471JA6D	GCM1555C1H471JA16D	470	50	C0G	0402	5%					10000	
81-GCM155R71H221K37D	GCM155R71H221KA37D	220	50	X7R	0402	10%					10000	
81-GCM155R72A221K37D	GCM155R72A221KA37D	220	100	X7R	0402	10%					10000	
81-GCM155R71H471K37D	GCM155R71H471KA37D	470	50	X7R	0402	10%					10000	
81-GCM155R72A471K37D	GCM155R72A471KA37D	470	100	X7R	0402	10%					10000	
81-GCM155R71H102KA7D	GCM155R71H102KA37D	1,000	50	X7R	0402	10%					10000	
81-GCM155R72A102KA7D	GCM155R72A102KA37D	1,000	100	X7R	0402	10%					10000	
81-GCM155R71H222K37D	GCM155R71H222KA37D	2,200	50	X7R	0402	10%					10000	
81-GCM155R72A222K37D	GCM155R72A222KA37D	2,200	100	X7R	0402	10%					10000	
81-GCM155R71H472K37D	GCM155R71H472KA37D	4,700	50	X7R	0402	10%					10000	
81-GCM155R72A472KA7D	GCM155R72A472KA37D	4,700	100	X7R	0402	10%					10000	
81-GCM155R71H103KA5D	GCM155R71H103KA55D	0.01uF	50	X7R	0402	10%					10000	
81-GCM155R71H223KA5D	GCM155R71H223KA55D	0.022uF	50	X7R	0402	10%					10000	
81-GCM155R71E473KA5D	GCM155R71E473KA55D	0.047uF	25	X7R	0402	10%					10000	
81-GCM155R71C104KA5D	GCM155R71C104KA55D	0.1uF	16	X7R	0402	10%					10000	
81-GCM1885C1H1R0CZ3D	GCM1885C1H1R0CZ13D	1.0	50	C0G	0603	±0.25pF					4000	
81-GCM1885C2A1R0CZ3D	GCM1885C2A1R0CZ13D	1.0	100	C0G	0603	±0.25pF					4000	
81-GCM1885C1H1R5C13D	GCM1885C1H1R5CZ13D	1.5	50	C0G	0603	±0.25pF					4000	
81-GCM1885C2A1R5C13D	GCM1885C2A1R5CZ13D	1.5	100	C0G	0603	±0.25pF					4000	
81-GCM1885C1H2R2C13D	GCM1885C1H2R2CZ13D	2.2	50	C0G	0603	±0.25pF					4000	
81-GCM1885C2A2R2C13D	GCM1885C2A2R2CZ13D	2.2	100	C0G	0603	±0.25pF					4000	
81-GCM1885C1H3R3C13D	GCM1885C1H3R3CZ13D	3.3	50	C0G	0603	±0.25pF					4000	
81-GCM1885C2A3R3C13D	GCM1885C2A3R3CZ13D	3.3	100	C0G	0603	±0.25pF					4000	
81-GCM1885C1H4R7C13D	GCM1885C1H4R7CZ13D	4.7	50	C0G	0603	±0.25pF					4000	
81-GCM1885C2A4R7C13D	GCM1885C2A4R7CZ13D	4.7	100	C0G	0603	±0.25pF					4000	
81-GCM1885C1H6R8D13D	GCM1885C1H6R8DZ13D	6.8	50	C0G	0603	±0.5pF					4000	
81-GCM1885C2A6R8D13D	GCM1885C2A6R8DZ13D	6.8	100	C0G	0603	±0.5pF					4000	
81-GCM1885C1H100JA6D	GCM1885C1H100JA16D	10	50	C0G	0603	5%					4000	
81-GCM1885C2A100JA6D	GCM1885C2A100JA16D	10	100	C0G	0603	5%					4000	
81-GCM1885C1H150J16D	GCM1885C1H150JA16D	15	50	C0G	0603	5%					4000	
81-GCM1885C2A150J16D	GCM1885C2A150JA16D	15	100	C0G	0603	5%					4000	
81-GCM1885C1H220J16D	GCM1885C1H220JA16D	22	50	C0G	0603	5%					4000	
81-GCM1885C2A220J16D	GCM1885C2A220JA16D	22	100	C0G	0603	5%					4000	
81-GCM1885C1H330J16D	GCM1885C1H330JA16D	33	50	C0G	0603	5%					4000	
81-GCM1885C2A330J16D	GCM1885C2A330JA16D	33	100	C0G	0603	5%					4000	
81-GCM1885C1H470J16D	GCM1885C1H470JA16D	47	50	C0G	0603	5%					4000	
81-GCM1885C2A470J16D	GCM1885C2A470JA16D	47	100	C0G	0603	5%					4000	
81-GCM1885C1H680J16D	GCM1885C1H680JA16D	68	50	C0G	0603	5%					4000	
81-GCM1885C2A680J16D	GCM1885C2A680JA16D	68	100	C0G	0603	5%					4000	

Murata Ceramic Caps, SMD

Automotive Capacitors for Power Train/Safety Applications



GCM SERIES (CONT.)



This product is RoHS compliant.



RoHS Compliant
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Temperature Coefficient	Case Size	Tolerance	Price Each				Reel Qty.	Price Per Piece
							1	50	100	500		
81-GCM1885C1H101JA6D	GCM1885C1H101JA16D	100	50	COG	0603	5%					4000	
81-GCM1885C2A101JA6D	GCM1885C2A101JA16D	100	100	COG	0603	5%					4000	
81-GCM1885C1H151J16D	GCM1885C1H151JA16D	150	50	COG	0603	5%					4000	
81-GCM1885C2A151J16D	GCM1885C2A151JA16D	150	100	COG	0603	5%					4000	
81-GCM1885C1H221J16D	GCM1885C1H221JA16D	220	50	COG	0603	5%					4000	
81-GCM1885C2A221J16D	GCM1885C2A221JA16D	220	100	COG	0603	5%					4000	
81-GCM1885C1H331J16D	GCM1885C1H331JA16D	330	50	COG	0603	5%					4000	
81-GCM1885C2A331J16D	GCM1885C2A331JA16D	330	100	COG	0603	5%					4000	
81-GCM1885C1H471J16D	GCM1885C1H471JA16D	470	50	COG	0603	5%					4000	
81-GCM1885C2A471J16D	GCM1885C2A471JA16D	470	100	COG	0603	5%					4000	
81-GCM1885C1H681J16D	GCM1885C1H681JA16D	680	50	COG	0603	5%					4000	
81-GCM1885C2A681J16D	GCM1885C2A681JA16D	680	100	COG	0603	5%					4000	
81-GCM1885C1H102JA6D	GCM1885C1H102JA16D	1,000	50	COG	0603	5%					4000	
81-GCM1885C2A102JA6D	GCM1885C2A102JA16D	1,000	100	COG	0603	5%					4000	
81-GCM1885C1H152J16D	GCM1885C1H152JA16D	1,500	50	COG	0603	5%					4000	
81-GCM1885C2A152J16D	GCM1885C2A152JA16D	1,500	100	COG	0603	5%					4000	
81-GCM1885C1H222J16D	GCM1885C1H222JA16D	2,200	50	COG	0603	5%					4000	
81-GCM18871H102KA7D	GCM18871H102KA37D	1,000	50	X7R	0603	10%					4000	
81-GCM18872A102KA7D	GCM18872A102KA37D	1,000	100	X7R	0603	10%					4000	
81-GCM18871H222K37D	GCM18871H222KA37D	2,200	50	X7R	0603	10%					4000	
81-GCM18872A222K37D	GCM18872A222KA37D	2,200	100	X7R	0603	10%					4000	
81-GCM18871H472K37D	GCM18871H472KA37D	4,700	50	X7R	0603	10%					4000	
81-GCM18872A472K37D	GCM18872A472KA37D	4,700	100	X7R	0603	10%					4000	
81-GCM18871H103KA7D	GCM18871H103KA37D	0.01uF	50	X7R	0603	10%					4000	
81-GCM18872A103KA7D	GCM18872A103KA37D	0.01uF	100	X7R	0603	10%					4000	
81-GCM18871H223K37D	GCM18871H223KA37D	0.022uF	50	X7R	0603	10%					4000	
81-GCM18872A223K37D	GCM18872A223KA37D	0.022uF	100	X7R	0603	10%					4000	
81-GCM18871H473K55D	GCM18871H473KA55D	0.047uF	50	X7R	0603	10%					4000	
81-GCM18871C104KA7D	GCM18871C104KA37D	0.1uF	16	X7R	0603	10%					4000	
81-GCM18871H104KA7D	GCM18871H104KA57D	0.1uF	50	X7R	0603	10%					4000	
81-GCM18871E224K55D	GCM18871E224KA55D	0.22uF	25	X7R	0603	10%					4000	
81-GCM18871C474KA5D	GCM18871C474KA55D	0.47uF	16	X7R	0603	10%					4000	
81-GCM18871E474KA4D	GCM18871E474KA64D	0.47uF	25	X7R	0603	10%					4000	
81-GCM2165C2A222J16D	GCM2165C2A222JA16D	2,200	100	COG	0805	5%					4000	
81-GCM2165C2A332J16D	GCM2165C2A332JA16D	3,300	100	COG	0805	5%					4000	
81-GCM2165C1H472J16D	GCM2165C1H472JA16D	4,700	50	COG	0805	5%					4000	
81-GCM2195C1H682J16D	GCM2195C1H682JA16D	6,800	50	COG	0805	5%					4000	
81-GCM2195C1H103JA6D	GCM2195C1H103JA16D	0.01uF	50	COG	0805	5%					4000	
81-GCM21BR72A473K37L	GCM21BR72A473KA37L	0.047uF	100	X7R	0805	10%					3000	
81-GCM21BR72A104KA7L	GCM21BR72A104KA37L	0.1uF	100	X7R	0805	10%					3000	
81-GCM21BR71H224K37L	GCM21BR71H224KA37L	0.22uF	50	X7R	0805	10%					3000	
81-GCM21BR71H474KA5L	GCM21BR71H474KA55L	0.47uF	50	X7R	0805	10%					3000	
81-GCM21BR71E105KA6L	GCM21BR71E105KA56L	1.0uF	25	X7R	0805	10%					3000	
81-GCM21BR71C225KA4L	GCM21BR71C225KA64L	2.2uF	16	X7R	0805	10%					3000	
81-GCM21BR71E225KA3L	GCM21BR71E225KA73L	2.2uF	25	X7R	0805	10%					3000	
81-GCM3195C2A472J16D	GCM3195C2A472JA16D	4,700	100	COG	1206	5%					4000	
81-GCM3195C2A562JA6D	GCM3195C2A562JA16D	5,600	100	COG	1206	5%					4000	
81-GCM3195C2A682J16D	GCM3195C2A682JA16D	6,800	100	COG	1206	5%					4000	
81-GCM3195C2A103J16D	GCM3195C2A103JA16D	0.01uF	100	COG	1206	5%					4000	
81-GCM3195C1H223JA6D	GCM3195C1H223JA16D	0.022uF	50	COG	1206	5%					4000	
81-GCM31MR72A224K37L	GCM31MR72A224KA37L	0.22uF	100	X7R	1206	10%					3000	
81-GCM31MR71H105KA5L	GCM31MR71H105KA55L	1.0uF	50	X7R	1206	10%					3000	
81-GCM31CR71H225KA5L	GCM31CR71H225KA55L	2.2uF	50	X7R	1206	10%					2000	
81-GCM31CR71E475KA5L	GCM31CR71E475KA55L	4.7uF	25	X7R	1206	10%					2000	
81-GCM31CR71A106KA4L	GCM31CR71A106KA64L	10uF	10	X7R	1206	10%					2000	
81-GCM31CR71C106KA4L	GCM31CR71C106KA64L	10uF	16	X7R	1206	10%					2000	
81-GCM31CR70J226KE3L	GCM31CR70J226KE23L	22uF	6.3	X7R	1206	10%					2000	
81-GCM32DR72A225K64L	GCM32DR72A225KA64L	2.2uF	100	X7R	1210	10%					2000	
81-GCM32ER71H475KA5L	GCM32ER71H475KA55L	4.7uF	50	X7R	1210	10%					2000	
81-GCM32ER71E106KA7L	GCM32ER71E106KA57L	10uF	25	X7R	1210	10%					2000	
81-GCM32ER71A226KE2L	GCM32ER71A226KE12L	22uF	10	X7R	1210	10%					2000	
81-GCM21A7U2E101JX1D	GCM21A7U2E101JX01D	100pF	250	U2J	0805	5%					4000	
81-GCM21A7U2E151JX1D	GCM21A7U2E151JX01D	150pF	250	U2J	0805	5%					4000	
81-GCM21A7U2E221JX1D	GCM21A7U2E221JX01D	220pF	250	U2J	0805	5%					4000	
81-GCM21A7U2E331JX1D	GCM21A7U2E331JX01D	330pF	250	U2J	0805	5%					4000	
81-GCM21A7U2E471JX1D	GCM21A7U2E471JX01D	470pF	250	U2J	0805	5%					4000	
81-GCM21A7U2E681JX1D	GCM21A7U2E681JX01D	680pF	250	U2J	0805	5%					4000	
81-GCM21A7U2E102JX1D	GCM21A7U2E102JX01D	1000pF	250	U2J	0805	5%					4000	
81-GCM21A7U2E152JX1D	GCM21A7U2E152JX01D	1500pF	250	U2J	0805	5%					4000	
81-GCM21A7U2E222JX1D	GCM21A7U2E222JX01D	2200pF	250	U2J	0805	5%					4000	
81-GCM31A7U2E332JX1D	GCM31A7U2E332JX01D	330pF	250	U2J	1206	5%					4000	
81-GCM31A7U2E472JX1D	GCM31A7U2E472JX01D	470pF	250	U2J	1206	5%					4000	
81-GCM31B7U2E682JX1L	GCM31B7U2E682JX01L	6800pF	250	U2J	1206	5%					3000	
81-GCM31B7U2E103JX1L	GCM31B7U2E103JX01L	10000pF	250	U2J	1206	5%					3000	
81-GCM31A7U2J100JX1D	GCM31A7U2J100JX01D	10pF	630	U2J	1206	5%					4000	
81-GCM31A7U2J150JX1D	GCM31A7U2J150JX01D	15pF	630	U2J	1206	5%					4000	
81-GCM31A7U2J220JX1D	GCM31A7U2J220JX01D	22pF	630	U2J	1206	5%					4000	
81-GCM31A7U2J330JX1D	GCM31A7U2J330JX01D	33pF	630	U2J	1206	5%					4000	
81-GCM31A7U2J470JX1D	GCM31A7U2J470JX01D	47pF	630	U2J	1206	5%					4000	
81-GCM31A7U2J680JX1D	GCM31A7U2J680JX01D	68pF	630	U2J	1206	5%					4000	
81-GCM31A7U2J101JX1D	GCM31A7U2J101JX01D	100pF	630	U2J	1206	5%					4000	
81-GCM31A7U2J151JX1D	GCM31A7U2J151JX01D	150pF	630	U2J	1206	5%					4000	
81-GCM31A7U2J221JX1D	GCM31A7U2J221JX01D	220pF	630	U2J	1206	5%					4000	
81-GCM31A7U2J331JX1D	GCM31A7U2J331JX01D	330pF	630	U2J	1206	5%					4000	
81-GCM31A7U2J471JX1D	GCM31A7U2J471JX01D	470pF	630	U2J	1206	5%					4000	
81-GCM31A7U2J681JX1D	GCM31A7U2J681JX01D	680pF	630	U2J	1206	5%					4000	
81-GCM31A7U2J102JX1D	GCM31A7U2J102JX01D	1000pF	630	U2J	1206	5%					4000	
81-GCM32A7U2J152JX1D	GCM32A7U2J152JX01D	1500pF	630	U2J	1210	5%					4000	
81-GCM32A7U2J222JX1D	GCM32A7U2J222JX01D	2200pF	630	U2J	1210	5%					4000	

MURATA Safety Rated Ceramic Chip Capacitors



GA3 SERIES SAFETY RATED MULTILAYER SMD CERAMIC CHIP CAPACITORS

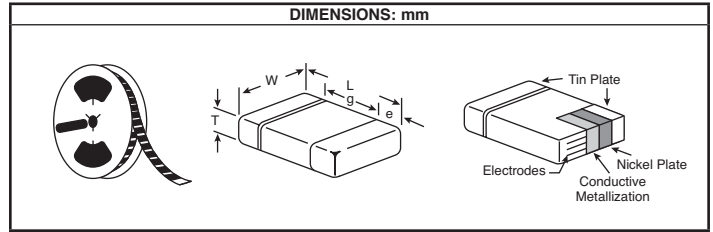
RoHS Compliant This product is RoHS compliant.

Features:

- Lead Free
- 250 VAC (r.m.s.)
- Base metal and lead-free technology
- GA3 is safety Rated (Y2/Y3)
- Operating Temperature: -55°C to +125°C
- Temperature Coefficient: X7R



RoHS Compliant

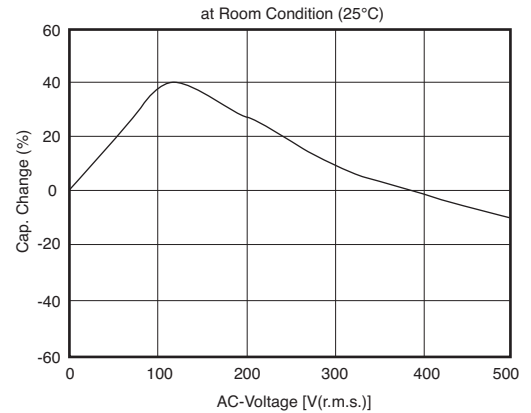
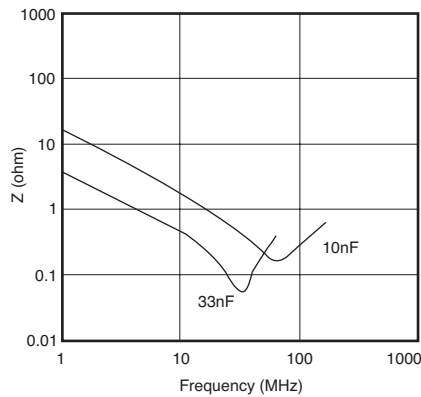
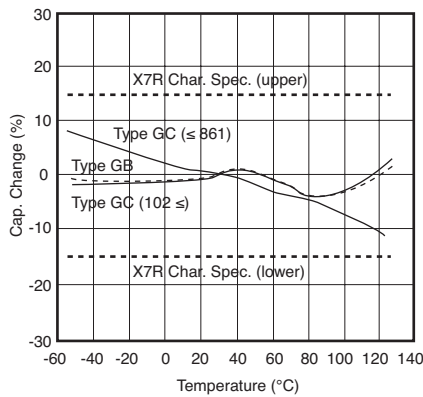


*Line-By-Pass only

	Standard No.	Status of Recognition		Rated Voltage
		Type GB	Type GC	
UL	UL1414		.	AC250V (r.m.s.)
BSI	EN132400		.	
VDE		.	.	
SEV		.	.	
SEMKO		.	.	
EN132400 Class		X2	X1, Y2	

Part No.	L	W	T (max)	e	g min.
GA342D	4.5 ±0.3	2.0 ±0.2	2.0 ±0.2	0.3 min.	2.5
GA342Q	4.5 ±0.3	2.0 ±0.2	1.5 +0,-0.3		2.5
GA343D	4.5 ±0.4	3.2 ±0.3	2.0 ±0.2		2.5
GA343Q	4.5 ±0.4	3.2 ±0.3	1.5 +0,-0.3		2.5
GA352Q	5.7 ±0.4	2.8 ±0.3	1.5 +0,-0.3		4.0
GA355D	5.7 ±0.4	5.0 ±0.4	2.0 ±0.2		4.0
GA355Q	5.7 ±0.4	5.0 ±0.4	1.5 +0,-0.3		4.0
GA355X	5.7 ±0.4	5.0 ±0.4	varies		4.0

Murata Ceramic Caps, SMD



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	VAC (V)	Tol. %	Safety Recognized	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
1808 Case Size											
81-GA342D1XGF100JL	GA342D1XGF100JY02L	10	250	±5	Y2					2,000	
81-GA342QR7GD101KW01	GA342QR7GD101KW01L	100	250	±10	Y3					2,000	
81-GA342DR7GD151KW02	GA342DR7GD151KW02L	150	250	±10	Y3					2,000	
81-GA342QR7GD221KL	GA342QR7GD221KW01L	220	250	±10	Y3					2,000	
81-GA342QR7GD471KL	GA342QR7GD471KW01L	470	250	±10	Y3					2,000	
81-GA342QR7GD681KW01	GA342QR7GD681KW01L	680	250	±10	Y3					2,000	
81-GA342QR7GD102KW01	GA342QR7GD102KW01L	1,000	250	±10	Y3					2,000	
81-GA342QR7GD152KW01	GA342QR7GD152KW01L	1,500	250	±10	Y3					2,000	
1812 Case Size											
81-GA343QR7GD182KW01	GA343QR7GD182KW01L	1,800	250	±10	Y3					2,000	
81-GA343DR7GD472KL	GA343DR7GD472KW01L	4,700	250	±10	Y3					2,000	
2211 Case Size											
81-GA352QR7GF471KW01	GA352QR7GF471KW01L	470	250	±10	Y2					1,000	
81-GA352QR7GF681KL	GA352QR7GF681KW01L	680	250	±10	Y2					1,000	
81-GA352QR7GF102KL	GA352QR7GF102KW01L	1,000	250	±10	Y2					1,000	
81-GA352QR7GF152KW01	GA352QR7GF152KW01L	1,500	250	±10	Y2					1,000	
2220 Case Size											
81-GA355DR7GC101KY02	GA355DR7GF101KY02L	100	250	±10	X1,Y2					1,000	
81-GA355DR7GC151KY02	GA355DR7GF151KY02L	150	250	±10	X1,Y2					1,000	
81-GA355DR7GC331KY02	GA355DR7GF331KY02L	330	250	±10	X1,Y2					1,000	
81-GA355DR7GC471KY02	GA355DR7GF471KY02L	470	250	±10	X1,Y2					1,000	
81-GA355DR7GC681KY02	GA355DR7GF681KY02L	680	250	±10	X1,Y2					1,000	
81-GA355DR7GC332KY02	GA355DR7GF332KY02L	3,300	250	±10	X1,Y2					1,000	
81-GA355DR7GB103KY02	GA355DR7GB103KY02L	10,000	250	±10	X2					1,000	
81-GA355DR7GB153KY02	GA355DR7GB153KY02L	15,000	250	±10	X2					1,000	
81-GA355DR7GB223KY02	GA355DR7GB223KY02L	22,000	250	±10	X2					1,000	
81-GA355XR7GB333KY06	GA355XR7GB333KY06L	33,000	250	±10	X2					500	
81-GA355QR7GF182KL	GA355QR7GF182KW01L	1,800	250	±10	Y2					1,000	
81-GA355QR7GF222KL	GA355QR7GF222KW01L	2,200	250	±10	Y2					1,000	
81-GA355QR7GF332KL	GA355QR7GF332KW01L	3,300	250	±10	Y2					1,000	
81-GA355DR7GF472KW01	GA355DR7GF472KW01L	4,700	250	±10	Y2					1,000	

MURATA Low ESL Ceramic Chip Capacitors



RoHS Compliant This product is RoHS compliant.

LLL SERIES - STANDARD TWO TERMINAL REVERSED GEOMETRY LOW ESL TYPE

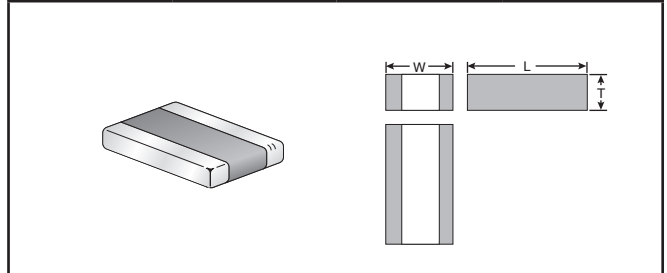
Murata offers a standard profile and low profile low inductance series of capacitors. Murata's Low ESL product line up includes the standard 2 terminal, reversed geometry type, (LLL Series), eight (8) terminal type (LLA Series) and Ten (10) terminal type (LLM Series). These three series are plated with Ni and matte Sn, and are RoHS compliant. Murata's low ESL series provide high capacitance in small case sizes. The low ESL series is especially ideal for high-speed microprocessors and high frequency digital equipment.

Features:

- Low ESL: 150 to 250pH - suitable for noise reduction at high frequencies (> 200MHz)
- Operating temperature: **X7R:** -55°C to 125°C w/ a ±15% cap change over temperature range
- X7S:** -55°C to 125°C w/ a ±22% cap change over temperature range
- X6S:** -55°C to 105°C w/ a ±22% cap change over temperature range



RoHS Compliant



Part No.	Dimensions: mm		
	W	L	T
LLL153	1.0 ± 0.05	0.5 ± 0.05	0.3 ± 0.05
LLL185	1.6 ± 0.1	0.8 ± 0.1	0.6 max.
LLL215	2.0 ± 0.1	1.25 ± 0.1	0.5 +0/-0.15
LLL216			0.6 ± 0.1
LLL219			0.85 ± 0.1
LLL315	3.2 ± 0.15	1.6 ± 0.15	0.5 ± 0.1
LLL317			0.7 ± 0.1
LLL31B			1.25 +0.15/-0.05
LLL31M			1.15 ± 0.1

Ceramic Caps, SMD

Murata

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Type	Temperature Coefficient	Voltage	Value	Price Per Piece				Reel Qty.	Price Per Piece
							1	50	100	500		
81-LLL153C80J104ME1E	LLL153C80J104ME01E	0204	Standard	X6S	6.3V	0.1uF					10000	
81-LLL185R71H222M01L	LLL185R71H222MA01L	0306	Standard	X7R	50V	2200pF					4000	
81-LLL185R71H472M01L	LLL185R71H472MA01L	0306	Standard	X7R	50V	4700pF					4000	
81-LLL185R71C103MA1L	LLL185R71C103MA11L	0306	Low Profile	X7R	16V	0.01uF					4000	
81-LLL185R71E103M01L	LLL185R71E103MA01L	0306	Standard	X7R	25V	0.01uF					4000	
81-LLL185R71E103M11L	LLL185R71E103MA11L	0306	Low Profile	X7R	25V	0.01uF					4000	
81-LLL185R71C223M11L	LLL185R71C223MA11L	0306	Low Profile	X7R	16V	0.022uF					4000	
81-LLL185R71E223M01L	LLL185R71E223MA01L	0306	Standard	X7R	25V	0.022uF					4000	
81-LLL185R71C473M01L	LLL185R71C473MA01L	0306	Standard	X7R	16V	0.047uF					4000	
81-LLL185R71C473M11L	LLL185R71C473MA11L	0306	Low Profile	X7R	16V	0.047uF					4000	
81-LLL18R71A104MA01L	LLL185R71A104MA01L	0306	Standard	X7R	10V	0.1uF					4000	
81-LLL185R71A104M11L	LLL185R71A104MA11L	0306	Low Profile	X7R	10V	0.1uF					4000	
81-LLL185R70J224M01L	LLL185R70J224MA01L	0306	Standard	X7R	6.3V	0.22uF					4000	
81-LLL185C70G224M11L	LLL185C70G224MA11L	0306	Low Profile	X7S	4V	0.22uF					4000	
81-LLL185C70G474M01L	LLL185C70G474MA01L	0306	Standard	X7S	4V	0.47uF					4000	
81-LLL185C70G105M01L	LLL185C70G105ME01L	0306	Standard	X7S	4V	1.0uF					4000	
81-LLL185C70G225ME1L	LLL185C70G225ME01L	0306	Standard	X7S	4V	2.2uF					4000	
81-LLL215R71H222MA1L	LLL215R71H222MA11L	0508	Low Profile	X7R	50V	2,200pF					4000	
81-LLL216R71H472M01L	LLL216R71H472MA01L	0508	Standard	X7R	50V	4,700pF					3000	
81-LLL215R71H103M11L	LLL215R71H103MA11L	0508	Low Profile	X7R	50V	0.01uF					4000	
81-LLL216R71H103M01L	LLL216R71H103MA01L	0508	Standard	X7R	50V	0.01uF					4000	
81-LLL215R71E223M11L	LLL215R71E223MA11L	0508	Low Profile	X7R	25V	0.022uF					4000	
81-LLL216R71H223M01L	LLL216R71H223MA01L	0508	Standard	X7R	50V	0.022uF					3000	
81-LLL215R71C473M11L	LLL215R71C473MA11L	0508	Low Profile	X7R	16V	0.047uF					4000	
81-LLL216R71E473M01L	LLL216R71E473MA01L	0508	Standard	X7R	25V	0.047uF					4000	
81-LLL215R71C104M11L	LLL215R71C104MA11L	0508	Low Profile	X7R	16V	0.1uF					4000	
81-LLL216R71E104MA1L	LLL216R71E104MA01L	0508	Standard	X7R	25V	0.1uF					4000	
81-LLL215R71A224M11L	LLL215R71A224MA11L	0508	Low Profile	X7R	10V	0.22uF					4000	
81-LLL216R71A224M01L	LLL216R71A224MA01L	0508	Standard	X7R	10V	0.22uF					4000	
81-LLL215R70J474M11L	LLL215R70J474MA11L	0508	Low Profile	X7R	6.3V	0.47uF					4000	
81-LLL219R71A474M01L	LLL219R71A474MA01L	0508	Standard	X7R	10V	0.47uF					3000	
81-LLL219R70J105M01L	LLL219R70J105MA01L	0508	Standard	X7R	6.3V	1.0uF					3000	
81-LLL215C70G105M11L	LLL215C70G105MA11L	0508	Low Profile	X7S	4V	1.0uF					4000	
81-LLL219C70G225M01L	LLL219C70G225MA01L	0508	Standard	X7S	4V	2.2uF					3000	
81-LLL315R71H103M11L	LLL315R71H103MA11L	0612	Low Profile	X7R	50V	0.01uF					4000	
81-LLL317R71H103M01L	LLL317R71H103MA01L	0612	Standard	X7R	50V	0.01uF					4000	
81-LLL315R71H223M11L	LLL315R71H223MA11L	0612	Low Profile	X7R	50V	0.022uF					4000	
81-LLL317R71H223M01L	LLL317R71H223MA01L	0612	Standard	X7R	50V	0.022uF					4000	
81-LLL315R71E473MA11	LLL315R71E473MA11L	0612	Low Profile	X7R	25V	0.047uF					4000	
81-LLL317R71H473M01L	LLL317R71H473MA01L	0612	Standard	X7R	50V	0.047uF					4000	
81-LLL315R71E104M11L	LLL315R71E104MA11L	0612	Low Profile	X7R	25V	0.1uF					4000	
81-LLL317R71E104M01L	LLL317R71E104MA01L	0612	Standard	X7R	25V	0.1uF					4000	
81-LLL31MR71H104M01L	LLL31MR71H104MA01L	0612	Standard	X7R	50V	0.1uF					3000	
81-LLL315R71C224M11L	LLL315R71C224MA11L	0612	Low Profile	X7R	16V	0.22uF					4000	
81-LLL317R71C224M01L	LLL317R71C224MA01L	0612	Standard	X7R	16V	0.22uF					3000	
81-LLL31MR71E224M01L	LLL31MR71E224MA01L	0612	Standard	X7R	25V	0.22uF					3000	
81-LLL315R71A474M11L	LLL315R71A474MA11L	0612	Low Profile	X7R	10V	0.47uF					4000	
81-LLL317R71C474M01L	LLL317R71C474MA01L	0612	Standard	X7R	16V	0.47uF					3000	
81-LLL31MR71E474M01L	LLL31MR71E474MA01L	0612	Standard	X7R	25V	0.47uF					3000	
81-LLL317R71A105M01L	LLL317R71A105MA01L	0612	Standard	X7R	10V	1.0uF					4000	
81-LLL31MR71C105M01L	LLL31MR71C105MA01L	0612	Standard	X7R	16V	1.0uF					3000	
81-LLL317R70J225MA1L	LLL317R70J225MA01L	0612	Standard	X7R	6.3V	2.2uF					4000	
81-LLL31MR71A225M01L	LLL31MR71A225MA01L	0612	Standard	X7R	10V	2.2uF					3000	
81-LLL31MR70J475M01L	LLL31MR70J475MA01L	0612	Standard	X7R	6.3V	4.7uF					3000	
81-LLL31BC70G106M01L	LLL31BC70G106MA01L	0612	Standard	X7R	4V	10uF					3000	

MURATA Low ESL Ceramic Chip Capacitors

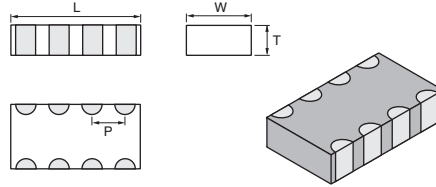


Murata offers a standard profile and low profile low inductance series of capacitors. Murata's Low ESL product line up includes the standard 2 terminal, reversed geometry type, (LLL Series), Eight (8) terminal type (LLA Series) and Ten (10) terminal type (LLM Series). These three series are plated with Ni and Matte Sn, and are RoHS compliant. Murata's Low ESL series provide high capacitance in small case sizes. The Low ESL series is especially ideal for high-speed microprocessors and high frequency digital equipment.

LLA SERIES - EIGHT TERMINAL LOW ESL TYPE

Features:

- Low ESL: 80 to 120pH. Suitable for high speed (800MHz to 4GHz) IC decoupling.
- Operating Temperature: X7R: -55°C to 125°C w/ a ±15% cap change over temperature range. X7S: -55°C to 125°C w/ a ±22% cap change over temperature range.



Part No.	Dimensions: mm			
	L	W	T	P
LLA185	1.6±0.1	0.8±0.1	0.5 +0.05/-0.1	0.4±0.1
LLA215	2.0±0.1	1.25±0.1	0.5 +0.05/-0.1	0.5±0.05
LLA219			0.85±0.1	0.5±0.05
LLA315	3.2±0.15	1.6±0.15	0.5 +0.05/-0.1	0.8±0.1
LLA319			0.85±0.1	0.8±0.1
LLA31M			1.15±0.1	0.8±0.1

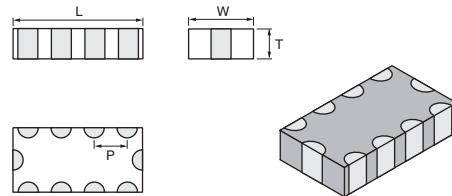
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Type	Temperature Coefficient	Voltage	Value	Price Per Piece				Reel Qty.	Price Per Piece
							1	50	100	500		
81-LLA185C70G104MA1L	LLA185C70G104MA01L	0603	Standard	X7S	4V	0.1uF					4000	
81-LLA185C70G224MA1L	LLA185C70G224MA01L	0603	Standard	X7S	4V	0.22uF					4000	
81-LLA185C70G474MA1L	LLA185C70G474MA01L	0603	Standard	X7S	4V	0.47uF					4000	
81-LLA185C70G105ME1L	LLA185C70G105ME01L	0603	Standard	X7S	4V	1.0uF					4000	
81-LLA185C70G225ME6L	LLA185C70G225ME16L	0603	Standard	X7S	4V	2.2uF					4000	
81-LLA215R71E103MA4L	LLA215R71E103MA14L	0805	Low Profile	X7R	25V	0.01uF					4000	
81-LLA219R71E103MA1L	LLA219R71E103MA01L	0805	Standard	X7R	25V	0.01uF					3000	
81-LLA215R71E223MA4L	LLA215R71E223MA14L	0805	Low Profile	X7R	25V	0.022uF					4000	
81-LLA219R71E223MA1L	LLA219R71E223MA01L	0805	Standard	X7R	25V	0.022uF					3000	
81-LLA215R71C473MA4L	LLA215R71C473MA14L	0805	Low Profile	X7R	16V	0.047uF					4000	
81-LLA219R71E473MA1L	LLA219R71E473MA01L	0805	Standard	X7R	25V	0.047uF					3000	
81-LLA215R71C104MA4L	LLA215R71C104MA14L	0805	Low Profile	X7R	16V	0.1uF					4000	
81-LLA219R71C104MA01L	LLA219R71C104MA01L	0805	Standard	X7R	16V	0.1uF					3000	
81-LLA215R71A224MA4L	LLA215R71A224MA14L	0805	Low Profile	X7R	10V	0.22uF					4000	
81-LLA219R71C224MA1L	LLA219R71C224MA01L	0805	Standard	X7R	16V	0.22uF					3000	
81-LLA215R70J474MA14	LLA215R70J474MA14L	0805	Low Profile	X7R	6.3V	0.47uF					4000	
81-LLA219R71A474MA1L	LLA219R71A474MA01L	0805	Standard	X7R	10V	0.47uF					3000	
81-LLA219R70J105MA01	LLA219R70J105MA01L	0805	Standard	X7R	6.3V	1.0uF					3000	
81-LLA215C70G105MA4L	LLA215C70G105MA14L	0805	Low Profile	X7S	4V	1.0uF					4000	
81-LLA215C70G225ME1L	LLA215C70G225ME11L	0805	Low Profile	X7S	4V	2.2uF					4000	
81-LLA219C70G225M	LLA219C70G225MA01L	0805	Standard	X7S	4V	2.2uF					3000	
81-LLA215C70G475ME9L	LLA215C70G475ME19L	0805	Low Profile	X7S	4V	4.7uF					4000	
81-LLA219C70G475ME1L	LLA219C70G475ME01L	0805	Standard	X7S	4V	4.7uF					3000	
81-LLA315R71C104MA4L	LLA315R71C104MA14L	1206	Low Profile	X7R	16V	0.1uF					4000	
81-LLA319R71C104MA1L	LLA319R71C104MA01L	1206	Standard	X7R	16V	0.1uF					3000	
81-LLA315R71C224MA4L	LLA315R71C224MA14L	1206	Low Profile	X7R	16V	0.22uF					4000	
81-LLA319R71C224MA01	LLA319R71C224MA01L	1206	Standard	X7R	16V	0.22uF					3000	
81-LLA315R71A474MA4L	LLA315R71A474MA14L	1206	Low Profile	X7R	10V	0.47uF					4000	
81-LLA319R71C474MA1L	LLA319R71C474MA01L	1206	Standard	X7R	16V	0.47uF					3000	
81-LLA315R70J105MA14	LLA315R70J105MA14L	1206	Low Profile	X7R	6.3V	1.0uF					4000	
81-LLA319R71A105MA01	LLA319R71A105MA01L	1206	Standard	X7R	10V	1.0uF					3000	
81-LLA319R70G225MA1L	LLA319R70G225MA01L	1206	Standard	X7R	4V	2.2uF					3000	
81-LLA315R70J225MA4L	LLA315R70J225MA14L	1206	Low Profile	X7R	6.3V	2.2uF					4000	
81-LLA31MR71A225MA1L	LLA31MR71A225MA01L	1206	Standard	X7R	10V	2.2uF					3000	

LLM SERIES - TEN TERMINAL LOW ESL TYPE

Features:

- Low ESL: 35 to 45pH. Suitable for high speed (1GHz to 4GHz) IC decoupling.
- Operating Temperature: X7R: -55°C to 125°C w/ a ±15% cap change over temperature range. X7S: -55°C to 125°C w/ a ±22% cap change over temperature range.



Part No.	Dimensions: mm			
	L	W	T	P
LLM215	2.0±0.1	1.25±0.1	0.5 +0.05/-0.1	0.5±0.05
LLM315	3.2±0.15	1.6±0.15	0.5 +0.05/-0.1	0.8±0.1

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Type	Temperature Coefficient	Voltage	Value	Price Per Piece				Reel Qty.	Price Per Piece
							1	50	100	500		
81-LLM215R71E103MA1L	LLM215R71E103MA11L	0805	Low Profile	X7R	25V	0.01uF					4000	
81-LLM215R71E223MA1L	LLM215R71E223MA11L	0805	Low Profile	X7R	25V	0.022uF					4000	
81-LLM215R71C333MA1L	LLM215R71C333MA11L	0805	Low Profile	X7R	16V	0.033uF					4000	
81-LLM215R71C473MA1L	LLM215R71C473MA11L	0805	Low Profile	X7R	16V	0.047uF					4000	
81-LLM215R71C104MA1L	LLM215R71C104MA11L	0805	Low Profile	X7R	16V	0.1uF					4000	
81-LLM215R70J224MA1L	LLM215R70J224MA11L	0805	Low Profile	X7R	6.3V	0.22uF					4000	
81-LLM215R70J474MA1L	LLM215R70J474MA11L	0805	Low Profile	X7R	6.3V	0.47uF					4000	
81-LLM215C70G105MA1L	LLM215C70G105MA11L	0805	Low Profile	X7S	4V	1.0uF					4000	
81-LLM215C70G225ME1L	LLM215C70G225ME11L	0805	Low Profile	X7S	4V	2.2uF					4000	
81-LLM315R71C104MA1L	LLM315R71C104MA11L	1206	Low Profile	X7R	16V	0.1uF					4000	
81-LLM315R71C224MA1L	LLM315R71C224MA11L	1206	Low Profile	X7R	16V	0.22uF					4000	
81-LLM315R71A474MA1L	LLM315R71A474MA11L	1206	Low Profile	X7R	10V	0.47uF					4000	
81-LLM315R70J225MA1L	LLM315R70J225MA11L	1206	Low Profile	X7R	6.3V	2.2uF					4000	

SYFER High Q RF Capacitors



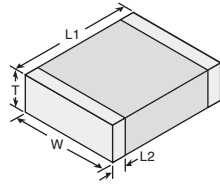
RoHS Compliant This product is RoHS compliant.

HIGH Q RF CAPACITORS

Syfer produces a wide range of specialist ceramic capacitors suitable for high frequency applications. Our High Q types are available in a range of sizes from 0402 to 3640. The design and materials used in their manufacture result in higher resonant frequencies, making them suitable for a wide range of applications including tuners, mixers, filters, oscillators, RF power amplifiers and tuning networks. Syfer also offers square chips in 0505 and 1111 sizes. Other case sizes available.

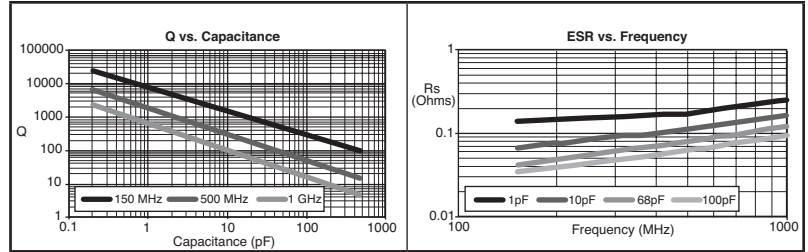
Features:

- High "Q" Factor at high frequencies
- High RF power capabilities
- Low ESR
- Small size
- High self resonant frequencies
- Excellent stability across temperature range



Specifications:

- Operating Temperature: -55°C to +125°C
- Temperature Coefficient (Typical): 0±30ppm/°C
- Insulation resistance at +25°C: >100GΩ
- Insulation resistance at +125°C: >10GΩ



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Value	Voltage	Tol. (±)	DIMENSIONS: mm			Termination Band(L2)		Price Each			
					Length (L1)	Width (W)	Thickness (T)	Min.	Max.	1	50	100	500
Style 0603													
843-0603J250P300B	0603J250P300BQT	0.3	250	0.1pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J250P500B	0603J250P500BQT	0.5	250	0.1pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J250P800B	0603J250P800BQT	0.8	250	0.1pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2501P00B	0603J2501P00BQT	1.0	250	0.1pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2501P50C	0603J2501P50CQT	1.5	250	0.25pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2502P20C	0603J2502P20CQT	2.2	250	0.25pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2503P30C	0603J2503P30CQT	3.3	250	0.25pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2504P70C	0603J2504P70CQT	4.7	250	0.25pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2506P80C	0603J2506P80CQT	6.8	250	0.25pF	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2500100J	0603J2500100JQT	10	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2500150J	0603J2500150JQT	15	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2500220J	0603J2500220JQT	22	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2500270J	0603J2500270JQT	27	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2500330J	0603J2500330JQT	33	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2500390J	0603J2500390JQT	39	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J2500470J	0603J2500470JQT	47	250	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J1000680J	0603J1000680JQT	68	100	5%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J0500101K	0603J0500101KQT	100	50	10%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
843-0603J0500151K	0603J0500151KQT	150	50	10%	1.60±0.20	0.80±0.20	0.80 max.	0.10	0.40				
Style 0805													
843-0805J250P200B	0805J250P200BQT	0.2	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J250P300B	0805J250P300BQT	0.3	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J250P400B	0805J250P400BQT	0.4	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J250P500B	0805J250P500BQT	0.5	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J250P600B	0805J250P600BQT	0.6	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J250P700B	0805J250P700BQT	0.7	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J250P800B	0805J250P800BQT	0.8	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J2501P00B	0805J2501P00BQT	1.0	250	0.1pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J2501P50C	0805J2501P50CQT	1.5	250	0.25pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J2503P30C	0805J2503P30CQT	3.3	250	0.25pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J2504P70C	0805J2504P70CQT	4.7	250	0.25pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J2506P80C	0805J2506P80CQT	6.8	250	0.25pF	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J2500150J	0805J2500150JQT	15	250	5%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J2500220J	0805J2500220JQT	22	250	5%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J2500470J	0805J2500470JQT	47	250	5%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J2500680J	0805J2500680JQT	68	250	5%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J2500151K	0805J2500151KQT	150	250	10%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J1500221K	0805J1500221KQT	220	150	10%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J1000331K	0805J1000331KQT	330	100	10%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
843-0805J0500471K	0805J0500471KQT	470	50	10%	2.00±0.30	1.27±0.20	1.30 max.	0.13	0.75				
Style 1111													
843-1111J1K0P300B	1111J1K0P300BQT	0.3	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K0P400B	1111J1K0P400BQT	0.4	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K0P500B	1111J1K0P500BQT	0.5	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K0P600B	1111J1K0P600BQT	0.6	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K0P700B	1111J1K0P700BQT	0.7	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K0P800B	1111J1K0P800BQT	0.8	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K0P900B	1111J1K0P900BQT	0.9	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K01P00B	1111J1K01P00BQT	1.0	1000	0.1pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K01P50C	1111J1K01P50CQT	1.5	1000	0.25pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K02P20C	1111J1K02P20CQT	2.2	1000	0.25pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K03P30C	1111J1K03P30CQT	3.3	1000	0.25pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K04P70C	1111J1K04P70CQT	4.7	1000	0.25pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K06P80C	1111J1K06P80CQT	6.8	1000	0.25pF	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K00100J	1111J1K00100JQT	10	1000	5%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K00220J	1111J1K00220JQT	22	1000	5%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K00470J	1111J1K00470JQT	47	1000	5%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K00101K	1111J1K00101KQT	100	1000	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1K00221K	1111J1K00221KQT	220	1000	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J5000471K	1111J5000471KQT	470	500	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J2500102K	1111J2500102KQT	1000	250	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1000152K	1111J1000152KQT	1500	100	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1000152G	1111J1000152GQT	1500	100	2%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1000182G	1111J1000182GQT	1800	100	2%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1000222K	1111J1000222KQT	2200	100	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				
843-1111J1000332K	1111J1000332KQT	3300	100	10%	2.79±0.51-0.25	2.79±0.38	2.54 max.	0.13	0.63				

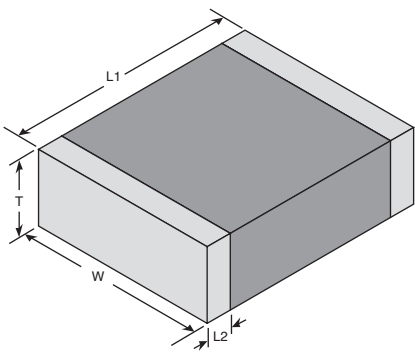
SYFER SMD Ceramic Capacitors



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Size	DIMENSIONS: mm (in.)				
	Length (L1)	Width (W)	Max. Thickness (T)	Termination Band (L2)	
				Min.	Max.
0805	2.0±0.3 (0.08±0.012)	1.25±0.2 (0.05±0.008)	1.3 (0.051)	0.13 (0.005)	0.75 (0.03)
	3.2±0.3 (0.126±0.012)	1.6±0.2 (0.063±0.008)	1.6 (0.063)	0.25 (0.01)	0.75 (0.03)
1206	3.2±0.3 (0.126±0.012)	2.5±0.3 (0.1±0.012)	2.0 (0.08)	0.25 (0.01)	0.75 (0.03)
	4.5±0.35 (0.18±0.014)	2.0±0.3 (0.08±0.012)	2.0 (0.08)	0.25 (0.01)	1.0 (0.04)
1808	4.5±0.35 (0.18±0.014)	3.2±0.3 (0.126±0.012)	2.5 (0.1)	0.25 (0.01)	1.0 (0.04)
	5.7±0.4 (0.225±0.016)	5.0±0.4 (0.197±0.016)	2.5 (0.1)	0.25 (0.01)	1.0 (0.04)



SURGE AND SAFETY CAPACITORS

The Syfer range of surge and safety ceramic capacitors offer designers the option of using a surface mount ceramic multilayer capacitor to replace leaded film types. Offering the benefits of reduced board space requirements and lower profile, they are also available in a FlexiCap™ version to reduce the risk of mechanical cracking.



RoHS Compliant

Applications:

- Modems
- AC-DC Power Supplies
- Where lightning strikes or other voltage transients represent a threat to electronic equipment.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Value (pF)	Voltage (AC)	Tol. (%)	Class	Approvals	Termination	Price Each				Reel Qty.	Price Per Piece
								1	100	500	1000		
Style 1808-Temperature Coeff. C0G/NP0													
843-1808YA250270FCS2	1808YA250270FCTS2	27	250	1	Y2/X1	TÜV/UL	FlexiCap™					1500	
843-1808YA250270GCS2	1808YA250270GCTS2	27	250	2	Y2/X1	TÜV/UL	FlexiCap™					1500	
843-1808YA250270JCS2	1808YA250270JCTS2	27	250	5	Y2/X1	TÜV/UL	FlexiCap™					1500	
843-1808YA250151JCS2	1808YA250151JCTS2	150	250	5	Y2/X1	TÜV/UL	FlexiCap™					1500	
Style 1808-Temperature Coeff. X7R													
843-1808YA250151JXS2	1808YA250151JXTSY2	150	250	5	Y2/X1	TÜV/UL	FlexiCap™					1500	
843-1808YA250151KXS2	1808YA250151KXTSY2	150	250	10	Y2/X1	TÜV/UL	FlexiCap™					1500	
843-1808YA250331JXS2	1808YA250331JXTSY2	330	250	5	Y2/X1	TÜV/UL	FlexiCap™					1500	
843-1808JA250331KXS2	1808JA250331KXTSY2	330	250	10	Y2/X1	TÜV/UL	Matte Tin					1500	
843-1808JA250681JXS2	1808JA250681JXTSY2	680	250	5	Y2/X1	TÜV/UL	Matte Tin					1500	
843-1808YA250102JXS2	1808YA250102JXTSY2	1000	250	5	Y2/X1	TÜV/UL	FlexiCap™					1500	
843-1808YA250102KXS2	1808YA250102KXTSY2	1000	250	10	Y2/X1	TÜV/UL	FlexiCap™					1500	
843-1808YA250102JSU	1808YA250102JXTSPU	1000	250	5	Y3/X2	TÜV/UL	FlexiCap™					1500	
843-1808JA250102JXSU	1808JA250102JXTSPU	1000	250	5	Y3/X2	TÜV/UL	Matte Tin					1500	
843-1808JA250102KXSU	1808JA250102KXTSPU	1000	250	10	Y3/X2	TÜV/UL	Matte Tin					1500	
Style 2220-Temperature Coeff. X7R													
843-2220YA250151JX16	2220YA250151JXTB16	150	250	5	X1/Y2	TÜV/UL	FlexiCap™					1000	
843-2220JA250471KX16	2220JA250471KXTB16	470	250	10	X1/Y2	TÜV/UL	Matte Tin					1000	
843-2220YA250102JX16	2220YA250102JXTB16	1000	250	5	X1/Y2	TÜV/UL	FlexiCap™					1000	
843-2220YA250152JX16	2220YA250152JXTB16	1500	250	5	X1/Y2	TÜV/UL	FlexiCap™					1000	
843-2220JA250152KX16	2220JA250152KXTB16	1500	250	10	X1/Y2	TÜV/UL	Matte Tin					1000	
843-2220JA250222KX16	2220JA250222KXTB16	2200	250	10	X1/Y2	TÜV/UL	Matte Tin					1000	
843-2220YA250103JX17	2220YA250103JXTB17	10000	250	5	X2	TÜV	FlexiCap™					1000	

250VAC NON SAFETY RATED AC CAPACITORS

Syfer Technology has developed a range of MLCs for use in 250Vac 60Hz applications. As they are designed for non-safety critical applications, the available capacitance values are much higher than for safety types which need to meet strict impulse and voltage proof requirements.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Value (pF)	Voltage (AC)	Tol. (%)	Termination	Price Each				Reel Qty.	Price Per Piece	
						1	100	500	1000			
Style 0805-Temperature Coeff. C0G/NP0												
843-0805YA250181JCT	0805YA250181JCT	180	250	5		FlexiCap™					3000	
Style 0805-Temperature Coeff. X7R												
843-0805YA250103KXT	0805YA250103KXT	10000	250	10		FlexiCap™					3000	
Style 1206-Temperature Coeff. C0G/NP0												
843-1206YA250181JCT	1206YA250181JCT	180	250	5		FlexiCap™					2500	
843-1206YA250391KCT	1206YA250391KCT	390	250	10		FlexiCap™					2500	
Style 1206-Temperature Coeff. X7R												
843-1206YA250103KXT	1206YA250103KXT	10000	250	10		FlexiCap™					2500	
843-1206YA250473KXT	1206YA250473KXT	47000	250	10		FlexiCap™					2500	
Style 1210-Temperature Coeff. C0G/NP0												
843-1210YA250471JCT	1210YA250471JCT	470	250	5		FlexiCap™					2000	
843-1210YA250561KCT	1210YA250561KCT	560	250	10		FlexiCap™					2000	
Style 1210-Temperature Coeff. X7R												
843-1210YA250153JXT	1210YA250153JXT	15000	250	5		FlexiCap™					2000	
843-1210YA250223KXT	1210YA250223KXT	22000	250	10		FlexiCap™					2000	
843-1210YA250104KXT	1210YA250104KXT	100000	250	10		FlexiCap™					2000	
Style 1812-Temperature Coeff. C0G/NP0												
843-1812YA250331JCT	1812YA250331JCT	330	250	5		FlexiCap™					1000	
843-1812YA250471JCT	1812YA250471JCT	470	250	5		FlexiCap™					1000	
843-1812YA250152JCT	1812YA250152JCT	1500	250	5		FlexiCap™					1000	
843-1812YA250222JCT	1812YA250222JCT	2200	250	5		FlexiCap™					1000	
Style 1812-Temperature Coeff. X7R												
843-1812YA250223MXT	1812YA250223MXT	22000	250	20		FlexiCap™					1000	
843-1812YA250273JXT	1812YA250273JXT	27000	250	5		FlexiCap™					1000	
843-1812YA250563JXT	1812YA250563JXT	56000	250	5		FlexiCap™					500	
843-1812YA250124KXT	1812YA250124KXT	120000	250	10		FlexiCap™					500	

TAIYO YUDEN Multilayer Ceramic Capacitors TAIYO YUDEN

NEW SUPPLIER

Ceramic Caps, SMD

Taiyo Yuden

NEW SUPPLIER

NEW SUPPLIER

ROHS Compliant This product is RoHS compliant.

HIGH VALUE MLCCs

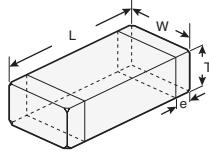
High Dielectric Type

Features:

- Monolithic structure provides higher reliability

Applications:

- Communication equipment
- General digital circuit
- Power Supply bypass capacitors
- Smoothing capacitors



Type	DIMENSIONS: mm			
	L	W	T	e
MK063 (0201 inch)	0.6±0.03	0.3±0.03	0.3±0.03	P 0.15±0.05
MK105 (0402 inch)	1.0±0.05	0.5±0.05	0.2±0.02	C
			0.3±0.03	P
			0.5±0.05	V
MK107 (0603 inch)	1.6±0.10	0.8±0.10	0.45±0.05	K
			0.8±0.10	A
			0.45±0.05	K
MK212 (0805 inch)	2.0±0.10	1.25±0.10	0.85±0.10	D
			1.25±0.10	G
			0.85±0.10	D
MK316 (1206 inch)	3.2±0.15	1.6±0.15	1.6±0.20	L
			0.85±0.10	D
			1.25±0.10	G
MK325 (1210 inch)	3.2±0.30	2.5±0.20	1.9±0.20	N
			1.9±0.1/0.2	Y
			1.9±0.20	N
			2.5±0.20	M

* For additional values and sizes, visit mouser.com

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Case Size	Volt (VDC)	Value (pF)	Tol. ±	Price Each			
						1	100	500	1000
X5R									
963-AMK063BJ474MP-F	AMK063BJ474MP-F	0201	4V	0.47	20%				
963-AMK063ABJ105MP-F	AMK063ABJ105MP-F	0201	4V	1	20%				
963-AMK105BJ225MV-F	AMK105BJ225MV-F	0402	4V	2.2	20%				
963-AMK105BJ335MV-F	AMK105BJ335MV-F	0402	4V	3.3	20%				
963-AMK105BJ475MV-F	AMK105BJ475MV-F	0402	4V	4.7	20%				
963-AMK107BJ106MA-T	AMK107BJ106MA-T	0603	4V	10	20%				
963-AMK107BJ226MA-T	AMK107BJ226MA-T	0603	4V	22	20%				
963-AMK316BJ107ML-T	AMK316BJ107ML-T	1206	4V	100	20%				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Case Size	Volt (VDC)	Value (pF)	Tol. ±	Price Each			
						1	100	500	1000
X5R									
963-JMK063BJ473KP-F	JMK063BJ473KP-F	0201	6.3V	0.047	10%				
963-JMK063BJ104KP-F	JMK063BJ104KP-F	0201	6.3V	0.1	10%				
963-JMK063BJ224MP-F	JMK063BJ224MP-F	0201	6.3V	0.22	20%				
963-JMK105BJ224KV-F	JMK105BJ224KV-F	0402	6.3V	0.22	10%				
963-JMK105BJ105KV-F	JMK105BJ105KV-F	0402	6.3V	1	10%				
963-JMK105BJ225MV-F	JMK105BJ225MV-F	0402	6.3V	2.2	20%				
963-JMK107BJ105KK-T	JMK107BJ105KK-T	0603	6.3V	1	10%				
963-JMK107BJ225KA-T	JMK107BJ225KA-T	0603	6.3V	2.2	10%				
963-JMK107BJ106MA-T	JMK107BJ106MA-T	0603	6.3V	10	20%				
963-JMK212BJ225KG-T	JMK212BJ225KG-T	0805	6.3V	2.2	10%				
963-JMK212BJ475KD-T	JMK212BJ475KD-T	0805	6.3V	4.7	10%				
963-JMK212BJ106KD-T	JMK212BJ106KD-T	0805	6.3V	10	10%				
963-JMK316BJ475KD-T	JMK316BJ475KD-T	1206	6.3V	4.7	10%				
963-JMK316BJ106KD-T	JMK316BJ106KD-T	1206	6.3V	10	10%				
963-JMK316BJ107ML-T	JMK316BJ107ML-T	1206	6.3V	100	20%				
963-JMK325BJ226MM-T	JMK325BJ226MM-T	1210	6.3V	22	20%				
963-JMK325BJ476MM-T	JMK325BJ476MM-T	1210	6.3V	47	20%				
963-JMK325BJ107MM-T	JMK325BJ107MM-T	1210	6.3V	100	20%				
X7R									
963-JMK105B7224KV-F	JMK105B7224KV-F	0402	6.3V	0.22	10%				
963-JMK107B7105KA-T	JMK107B7105KA-T	0603	6.3V	1	10%				
963-JMK212AB7106KG-T	JMK212AB7106KG-T	0805	6.3V	10	10%				
963-JMK316B7106KL-T	JMK316B7106KL-T	1206	6.3V	10	10%				
963-JMK316B7226ML-T	JMK316B7226ML-T	1206	6.3V	22	20%				
963-JMK325B7476MM-TR	JMK325B7476MM-TR	1210	6.3V	47	20%				
Y5V									
963-JMK107F225ZA-T	JMK107F225ZA-T	0603	6.3V	2.2	+80-20%				
963-JMK212F475ZD-T	JMK212F475ZD-T	0805	6.3V	4.7	+80-20%				
963-JMK212F106ZG-T	JMK212F106ZG-T	0805	6.3V	10	+80-20%				
963-JMK316F106ZD-T	JMK316F106ZD-T	1206	6.3V	10	+80-20%				
963-JMK316F226ZL-T	JMK316F226ZL-T	1206	6.3V	22	+80-20%				
963-JMK325F476ZN-T	JMK325F476ZN-T	1210	6.3V	47	+80-20%				
963-JMK325F107ZM-T	JMK325F107ZM-T	1210	6.3V	100	+80-20%				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Case Size	Volt (VDC)	Value (pF)	Tol. ±	Price Each			
						1	100	500	1000
X5R									
963-LMK063BJ223KP-F	LMK063BJ223KP-F	0201	10V	0.022	10%				
963-LMK063BJ224MP-F	LMK063BJ224MP-F	0201	10V	0.22	20%				
963-LMK063BJ104KP-F	LMK063BJ104KP-F	0201	10V	0.1	10%				
963-LMK105BJ224KV-F	LMK105BJ224KV-F	0402	10V	0.22	10%				
963-LMK105BJ104KV-F	LMK105BJ104KV-F	0402	10V	0.1	10%				
963-LMK105BJ105KV-F	LMK105BJ105KV-F	0402	10V	1	10%				
963-LMK107BJ225KA-T	LMK107BJ225KA-T	0603	10V	2.2	10%				
963-LMK107BJ105KK-T	LMK107BJ105KK-T	0603	10V	1	10%				
963-LMK107BJ106MALTD	LMK107BJ106MALTD	0603	10V	10	20%				
963-LMK212BJ225KD-T	LMK212BJ225KD-T	0805	10V	2.2	10%				
963-LMK212BJ475KD-T	LMK212BJ475KD-T	0805	10V	4.7	10%				
963-LMK212BJ106KG-T	LMK212BJ106KG-T	0805	10V	10	10%				
X7R									
963-LMK105B7223KV-F	LMK105B7223KV-F	0402	10V	0.022	10%				
963-LMK105B7473KV-F	LMK105B7473KV-F	0402	10V	0.047	10%				
963-LMK105B7104KV-F	LMK105B7104KV-F	0402	10V	0.1	10%				
963-LMK107B7224KA-T	LMK107B7224KA-T	0603	10V	0.22	10%				
963-LMK107B7225KA-T	LMK107B7225KA-T	0603	10V	2.2	10%				
963-LMK107B7105KA-T	LMK107B7105KA-T	0603	10V	1	10%				
963-LMK212B7225KD-T	LMK212B7225KD-T	0805	10V	2.2	10%				
963-LMK212B7105KD-T	LMK212B7105KD-T	0805	10V	1	10%				
963-LMK212B7106KG-TD	LMK212B7106KG-TD	0805	10V	10	10%				
Y5V									
963-LMK107F225ZA-T	LMK107F225ZA-T	0603	10V	2.2	+80-20%				
963-LMK107F105ZA-T	LMK107F105ZA-T	0603	10V	1	+80-20%				
963-LMK212F225ZD-T	LMK212F225ZD-T	0805	10V	2.2	+80-20%				
963-LMK212F475ZG-T	LMK212F475ZG-T	0805	10V	4.7	+80-20%				
963-LMK212F106ZG-T	LMK212F106ZG-T	0805	10V	10	+80-20%				

TAIYO YUDEN Multilayer Ceramic Capacitors TAIYO YUDEN

ROHS Compliant This product is RoHS compliant.

HIGH VALUE MLCCs (CONT.)

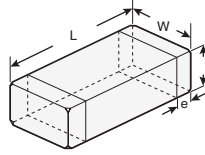
High Dielectric Type

Features:

- Monolithic structure provides higher reliability

Applications:

- Communication equipment
- General digital circuit
- Power Supply bypass capacitors
- Smoothing capacitors



Type	DIMENSIONS: mm				
	L	W	T	e	
MK105 (0402 inch)	1.0±0.05	0.5±0.05	0.2±0.02	C	0.25±0.10
			0.3±0.03	P	
			0.5±0.05	V	
MK107 (0603 inch)	1.6±0.10	0.8±0.10	0.45±0.05	K	0.35±0.25
			0.8±0.10	A	
			0.45±0.05	K	
MK212 (0805 inch)	2.0±0.10	1.25±0.10	0.45±0.05	K	0.5±0.25
			0.85±0.10	D	
			1.25±0.10	G	
			0.85±0.10	D	
MK316 (1206 inch)	3.2±0.15	1.6±0.15	1.25±0.10	G	0.5 +0.35/-0.25
			1.6±0.20	L	
			0.85±0.10	D	
			1.9±0.20	N	
MK325 (1210 inch)	3.2±0.30	2.5±0.20	1.9 +0.1/-0.2	Y	0.6±0.3
			2.5±0.20	M	
			0.85±0.10	D	
			1.9±0.20	N	

* For additional values and sizes, visit mouser.com

MOUSER STOCK NO.	Taiyo Yuden Part No.	Case Size	Volt (VDC)	Value (pF)	Tol. ±	For quantities greater than listed, call for quote.			
						Price Each			
						1	100	500	1000
X5R									
963-LMK316BJ106KD-T	LMK316BJ106KD-T	1206	10V	10	10%				
963-LMK316BJ106KL-T	LMK316BJ106KL-T	1206	10V	10	10%				
963-LMK316BJ226MD-T	LMK316BJ226MD-T	1206	10V	22	20%				
963-LMK325BJ106MD-T	LMK325BJ106MD-T	1210	10V	10	20%				
963-LMK325BJ226MM-T	LMK325BJ226MM-T	1210	10V	22	20%				
963-LMK325BJ107MM-T	LMK325BJ107MM-T	1210	10V	100	20%				
7XR									
963-LMK316B7225KL-T	LMK316B7225KL-T	1206	10V	2.2	10%				
963-LMK316B7106KL-TD	LMK316B7106KL-TD	1206	10V	10	10%				
963-LMK316AB7226ML	LMK316AB7226ML-TR	1206	10V	22	20%				
963-LMK325B7106KN-T	LMK325B7106KN-T	1210	10V	10	10%				
963-LMK325B7476MM-TR	LMK325B7476MM-TR	1210	10V	47	20%				
Y5V									
963-LMK316F475ZD-T	LMK316F475ZD-T	1206	10V	4.7	+80-20%				
963-LMK316F106ZF-T	LMK316F106ZF-T	1206	10V	10	+80-20%				
963-LMK316F226ZL-T	LMK316F226ZL-T	1206	10V	22	+80-20%				
963-LMK325F106ZF-T	LMK325F106ZF-T	1210	10V	10	+80-20%				
963-LMK325F226ZN-T	LMK325F226ZN-T	1210	10V	22	+80-20%				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Case Size	Volt (VDC)	Value (pF)	Tol. ±	For quantities greater than listed, call for quote.			
						Price Each			
						1	100	500	1000
X5R									
963-EMK063BJ222KP-F	EMK063BJ222KP-F	0201	16V	2200	10%				
963-EMK063BJ332KP-F	EMK063BJ332KP-F	0201	16V	3300	10%				
963-EMK063BJ472KP-F	EMK063BJ472KP-F	0201	16V	4700	10%				
963-EMK105BJ224KV-F	EMK105BJ224KV-F	0402	16V	0.22	10%				
963-EMK105BJ104KV-F	EMK105BJ104KV-F	0402	16V	0.1	10%				
963-EMK105BJ105KV-F	EMK105BJ105KV-F	0402	16V	1	10%				
963-EMK107BJ225KA-T	EMK107BJ225KA-T	0603	16V	2.2	10%				
963-EMK107ABJ475KA-T	EMK107ABJ475KA-T	0603	16V	4.7	10%				
963-EMK107BJ105KA-T	EMK107BJ105KA-T	0603	16V	1	10%				
963-EMK212ABJ225KD-T	EMK212ABJ225KD-T	0805	16V	2.2	10%				
963-EMK212BJ475KG-T	EMK212BJ475KG-T	0805	16V	4.7	10%				
963-EMK212BJ106KG-T	EMK212BJ106KG-T	0805	16V	10	10%				
963-EMK316BJ225KD-T	EMK316BJ225KD-T	1206	16V	2.2	10%				
963-EMK316BJ106KL-T	EMK316BJ106KL-T	1206	16V	10	10%				
963-EMK316BJ226ML-T	EMK316BJ226ML-T	1206	16V	22	20%				
963-EMK325BJ106KD-T	EMK325BJ106KD-T	1210	16V	10	10%				
963-EMK325BJ226MD-T	EMK325BJ226MD-T	1210	16V	22	20%				
963-EMK325ABJ107MM-T	EMK325ABJ107MM-T	1210	16V	100	20%				
X7R									
963-EMK063B7222KP-F	EMK063B7222KP-F	0201	16V	2200	10%				
963-EMK063B7472KP-F	EMK063B7472KP-F	0201	16V	4700	10%				
963-EMK105B7223KV-F	EMK105B7223KV-F	0402	16V	0.022	10%				
963-EMK105B7473KV-F	EMK105B7473KV-F	0402	16V	0.047	10%				
963-EMK105B7104KV-F	EMK105B7104KV-F	0402	16V	0.1	10%				
963-EMK107B7224KA-T	EMK107B7224KA-T	0603	16V	0.22	10%				
963-EMK107B7474KA-T	EMK107B7474KA-T	0603	16V	0.47	10%				
963-EMK107B7105KA-T	EMK107B7105KA-T	0603	16V	1	10%				
963-EMK212B7474KD-T	EMK212B7474KD-T	0805	16V	0.47	10%				
963-EMK212B7225KD-T	EMK212B7225KD-T	0805	16V	2.2	10%				
963-EMK212B7105KG-T	EMK212B7105KG-T	0805	16V	1	10%				
963-EMK316B7225KL-T	EMK316B7225KL-T	1206	16V	2.2	10%				
963-EMK316B7105KF-T	EMK316B7105KF-T	1206	16V	1	10%				
963-EMK316B7106KL-TD	EMK316B7106KL-TD	1206	16V	10	10%				
963-EMK325B7475KN-T	EMK325B7475KN-T	1210	16V	4.7	10%				
963-EMK325B7106KN-T	EMK325B7106KN-T	1210	16V	10	10%				
963-EMK325B7226MM-TR	EMK325B7226MM-TR	1210	16V	22	20%				
Y5V									
963-EMK107F224ZA-T	EMK107F224ZA-T	0603	16V	0.22	+80-20%				
963-EMK107F225ZA-T	EMK107F225ZA-T	0603	16V	2.2	+80-20%				
963-EMK107F105ZA-T	EMK107F105ZA-T	0603	16V	1	+80-20%				
963-EMK212F225ZG-T	EMK212F225ZG-T	0805	16V	2.2	+80-20%				
963-EMK212F105ZG-T	EMK212F105ZG-T	0805	16V	1	+80-20%				
963-EMK316F475ZG-T	EMK316F475ZG-T	1206	16V	4.7	+80-20%				
963-EMK316F106ZL-T	EMK316F106ZL-T	1206	16V	10	+80-20%				
963-EMK325F226ZN-T	EMK325F226ZN-T	1210	16V	22	+80-20%				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Case Size	Volt (VDC)	Value (pF)	Tol. ±	For quantities greater than listed, call for quote.			
						Price Each			
						1	100	500	1000
C0G									
963-TMK063CG100DT-F	TMK063CG100DT-F	0201	25V	10	5%				
963-TMK063CG120JT-F	TMK063CG120JT-F	0201	25V	12	5%				
963-TMK063CG101JT-F	TMK063CG101JT-F	0201	25V	100	5%				
X5R									
963-TMK063BJ101KP-F	TMK063BJ101KP-F	0201	25V	100	10%				
963-TMK063BJ221KP-F	TMK063BJ221KP-F	0201	25V	220	10%				
963-TMK063BJ102KP-F	TMK063BJ102KP-F	0201	25V	1000	10%				
X7R									
963-TMK063B7221KP-F	TMK063B7221KP-F	0201	25V	220	10%				
963-TMK063B7471KP-F	TMK063B7471KP-F	0201	25V	470	10%				
963-TMK063B7102KP-F	TMK063B7102KP-F	0201	25V	1000	10%				

NEW SUPPLIER

Taiyo Yuden Ceramic Caps, SMD

NEW SUPPLIER

NEW SUPPLIER

TAIYO YUDEN Multilayer Ceramic Capacitors TAIYO YUDEN



This product is RoHS compliant.

HIGH VALUE MLCCs (CONT.)

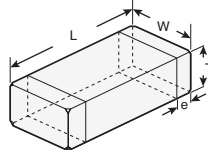
High Dielectric Type

Features:

- Monolithic structure provides higher reliability

Applications:

- Communication equipment
- General digital circuit
- Power Supply bypass capacitors
- Smoothing capacitors



Type	DIMENSIONS: mm				
	L	W	T	e	
MK105 (0402 inch)	1.0±0.05	0.5±0.05	0.2±0.02	C	
			0.3±0.03	P	
			0.5±0.05	V	
MK107 (0603 inch)	1.6±0.10	0.8±0.10	0.45±0.05	K	
			0.8±0.10	A	
			0.45±0.05	K	
MK212 (0805 inch)	2.0±0.10	1.25±0.10	0.85±0.10	D	
			1.25±0.10	G	
			0.85±0.10	D	
			1.25±0.10	G	
MK316 (1206 inch)	3.2±0.15	1.6±0.15	1.6±0.20	L	
			0.85±0.10	D	
			1.25±0.10	G	
			1.6±0.20	L	
MK325 (1210 inch)	3.2±0.30	2.5±0.20	0.85±0.10	D	
			1.9±0.20	N	
			1.9±0.1/-0.2	Y	
			2.5±0.20	M	

* For additional values and sizes, visit mouser.com

MOUSER STOCK NO.	Taiyo Yuden Part No.	Case Size	Volt (VDC)	Value (pF)	Tol. ±	For quantities greater than listed, call for quote.			
						1	100	500	1000
X5R									
963-TMK105BJ104KV-F	TMK105BJ104KV-F	0402	25V	0.1	10%				
963-TMK107BJ474KA-T	TMK107BJ474KA-T	0603	25V	0.47	10%				
963-TMK107BJ105KA-T	TMK107BJ105KA-T	0603	25V	1	10%				
963-TMK107ABJ225KA-T	TMK107ABJ225KA-T	0603	25V	2.2	10%				
963-TMK212BJ105KD-T	TMK212BJ105KD-T	0805	25V	1	10%				
963-TMK212BBJ475KD-T	TMK212BBJ475KD-T	0805	25V	4.7	10%				
963-TMK212BBJ106KG-T	TMK212BBJ106KG-T	0805	25V	10	10%				
963-TMK316BJ105KD-T	TMK316BJ105KD-T	1206	25V	1	10%				
963-TMK316BJ475KD-T	TMK316BJ475KD-T	1206	25V	4.7	10%				
963-TMK316BJ106KL-T	TMK316BJ106KL-T	1206	25V	10	10%				
963-TMK325BJ106MD-T	TMK325BJ106MD-T	1206	25V	10	20%				
963-TMK325BJ226MM-T	TMK325BJ226MM-T	1206	25V	22	20%				
X7R									
963-TMK105B7103KV-F	TMK105B7103KV-F	0402	25V	0.01	10%				
963-TMK105B7223KV-F	TMK105B7223KV-F	0402	25V	0.022	10%				
963-TMK105B7472KV-F	TMK105B7472KV-F	0402	25V	4700	10%				
963-TMK107B7474KA-TR	TMK107B7474KA-TR	0603	25V	0.47	10%				
963-TMK107B7105KA-T	TMK107B7105KA-T	0603	25V	1	10%				
963-TMK212B7105KG-T	TMK212B7105KG-T	0805	25V	1	10%				
963-TMK212B7225KG-TR	TMK212B7225KG-TR	0805	25V	2.2	10%				
963-TMK212AB7475KG-T	TMK212AB7475KG-T	0805	25V	4.7	10%				
963-TMK316B7105KL-T	TMK316B7105KL-T	1206	25V	1	10%				
963-TMK325B7105KD-T	TMK325B7105KD-T	1206	25V	1	10%				
963-TMK325B7225KH-T	TMK325B7225KH-T	1206	25V	2.2	10%				
963-TMK316AB7475KL-T	TMK316AB7475KL-T	1206	25V	4.7	10%				
963-TMK316B7106KL-TD	TMK316B7106KL-TD	1206	25V	10	10%				
963-TMK325B7106KM-TD	TMK325B7106KM-TD	1206	25V	10	10%				
Y5V									
963-TMK107F474ZA-T	TMK107F474ZA-T	0603	25V	0.47	+80-20%				
963-TMK212F105ZG-T	TMK212F105ZG-T	0805	25V	1	+80-20%				
963-TMK316F106ZL-T	TMK316F106ZL-T	1206	25V	10	+80-20%				
963-TMK325F106ZH-T	TMK325F106ZH-T	1206	25V	10	+80-20%				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Case Size	Volt (VDC)	Value (pF)	Tol. ±	For quantities greater than listed, call for quote.			
						1	100	500	1000
X5R									
963-GMK105BJ104KV-F	GMK105BJ104KV-F	0402	35V	0.1	10%				
963-GMK107BJ105KA-T	GMK107BJ105KA-T	0603	35V	1	10%				
963-GMK316BJ106KL-T	GMK316BJ106KL-T	1206	35V	10	10%				
963-GMK325BJ225KN-T	GMK325BJ225KN-T	1210	35V	2.2	10%				
963-GMK325BJ475MN-T	GMK325BJ475MN-T	1210	35V	4.7	20%				
963-GMK325BJ106KN-T	GMK325BJ106KN-T	1210	35V	10	10%				
X7R									
963-GMK212B7105KG-T	GMK212B7105KG-T	0805	35V	1	10%				
963-GMK316B7105KL-T	GMK316B7105KL-T	1206	35V	1	10%				
963-GMK316AB7106KL-TR	GMK316AB7106KL-TR	1206	35V	10	10%				
963-GMK325AB7106MM-T	GMK325AB7106MM-T	1210	35V	10	20%				
Y5V									
963-GMK316F475ZG-T	GMK316F475ZG-T	1206	35V	4.7	+80-20%				
963-GMK316F106ZL-T	GMK316F106ZL-T	1206	35V	10	+80-20%				
963-GMK325F106ZH-T	GMK325F106ZH-T	1210	35V	10	+80-20%				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Case Size	Volt (VDC)	Value (pF)	Tol. ±	For quantities greater than listed, call for quote.			
						1	100	500	1000
C0G									
963-UMK105CG100DV-F	UMK105CG100DV-F	0402	50V	10	0.5pF				
963-UMK105CG120JV-F	UMK105CG120JV-F	0402	50V	12	5%				
963-UMK105CG101JV-F	UMK105CG101JV-F	0402	50V	100	5%				
X5R									
963-UMK107BJ105KA-T	UMK107BJ105KA-T	0603	50V	1	10%				
963-UMK212ABJ105KD-T	UMK212ABJ105KD-T	0805	50V	1	10%				
963-UMK316BJ105KD-T	UMK316BJ105KD-T	1206	50V	1	10%				
963-UMK316BJ225KD-T	UMK316BJ225KD-T	1206	50V	2.2	10%				
963-UMK316BJ475KL-T	UMK316BJ475KL-T	1206	50V	4.7	10%				
963-UMK325BJ475MM-T	UMK325BJ475MM-T	1210	50V	4.7	20%				
963-UMK325BJ106KM-T	UMK325BJ106KM-T	1210	50V	10	10%				
X7R									
963-UMK105B7103KV-F	UMK105B7103KV-F	0402	50V	0.01	10%				
963-UMK105B7102KV-F	UMK105B7102KV-F	0402	50V	1000	10%				
963-UMK105B7221KV-F	UMK105B7221KV-F	0402	50V	220	10%				
963-UMK212B7104KG-T	UMK212B7104KG-T	0805	50V	0.1	10%				
963-UMK212B7224KG-T	UMK212B7224KG-T	0805	50V	0.22	10%				
963-UMK212B7474KG-T	UMK212B7474KG-T	0805	50V	0.47	10%				
963-UMK316B7224KL-T	UMK316B7224KL-T	1206	50V	0.22	10%				
963-UMK316B7474KL-T	UMK316B7474KL-T	1206	50V	0.47	10%				
963-UMK316B7105KL-T	UMK316B7105KL-T	1206	50V	1	10%				
963-UMK325B7105KH-T	UMK325B7105KH-T	1210	50V	1	10%				
963-UMK325B7475KM-T	UMK325B7475KM-T	1210	50V	4.7	10%				
Y5V									
963-UMK107F104ZA-T	UMK107F104ZA-T	0603	50V	0.1	+80-20%				
963-UMK212F224ZD-T	UMK212F224ZD-T	0805	50V	0.22	+80-20%				
963-UMK212F474ZG-T	UMK212F474ZG-T	0805	50V	0.47	+80-20%				
963-UMK212F105ZG-T	UMK212F105ZG-T	0805	50V	1	+80-20%				
963-UMK316F225ZG-T	UMK316F225ZG-T	1206	50V	2.2	+80-20%				
963-UMK325F475ZH-T	UMK325F475ZH-T	1210	50V	4.7	+80-20%				

For quantities greater than listed, call for quote.

TAIYO YUDEN Multilayer Ceramic Capacitors TAIYO YUDEN

RoHS Compliant This product is RoHS compliant.

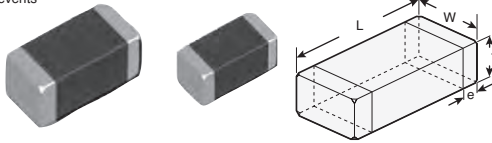
M SERIES MEDIUM-HIGH VOLTAGE MLCCs

Features:

- The use of nickel as electrode material prevents migration and provides high reliability
- Small case sizes with high rated voltage

Applications:

- General telephone exchange
- Wireless and Telecommunication base
- For DC/DC Converter



* For additional values and sizes, visit mouser.com

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Case Size	Volt (VDC)	Value (μF)	Tol. ±	Price Each	
					1	100
X7R						
963-EMK105B7224KV-FR	0402	16V	0.22	10%		

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Case Size	Volt (VDC)	Value (μF)	Tol. ±	Price Each	
					1	100
X7R						
963-HMK107B7102KA-T	0603	100V	1000pF	10%		
963-HMK107B7222KA-T	0603	100V	2200pF	10%		
963-HMK107B7103KA-T	0603	100V	0.01	10%		
963-HMK212B7153KG-T	0805	100V	0.015	10%		
963-HMK212B7103KG-T	0805	100V	0.01	10%		
963-HMK212B7104KG-T	0805	100V	0.1	10%		
963-HMK316B7224KL-T	1206	100V	0.22	10%		
963-HMK316B7104KL-T	1206	100V	0.1	10%		
963-HMK316B7105KL-T	1206	100V	1	10%		
963-HMK325B7224KN-T	1210	100V	0.22	10%		
963-HMK325B7104KF-T	1210	100V	0.1	10%		
963-HMK325B7105KN-T	1210	100V	1	10%		
963-HMK432B7474KM-T	1812	100V	0.47	10%		
963-HMK432B7225KM-T	1812	100V	2.2	10%		
963-HMK432B7105KM-T	1812	100V	1	10%		

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Case Size	Volt (VDC)	Value (μF)	Tol. ±	Price Each	
					1	100
X7R						
963-QMK212B7102KD-T	0805	250V	1000pF	10%		
963-QMK212B7152KD-T	0805	250V	1500pF	10%		
963-QMK212B7103KG-T	0805	250V	0.01	10%		
963-QMK316B7333KL-T	1206	250V	0.033	10%		
963-QMK316B7473KL-T	1206	250V	0.047	10%		
963-QMK316B7104KL-T	1206	250V	0.1	10%		
963-QMK325B7473KN-T	1210	250V	0.047	10%		
963-QMK325B7224KN-T	1210	250V	0.22	10%		
963-QMK325B7104KN-T	1210	250V	0.1	10%		
963-QMK432B7224KM-T	1812	250V	0.22	10%		
963-QMK432B7474KM-T	1812	250V	0.47	10%		
963-QMK432B7104KM-T	1812	250V	0.1	10%		

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Case Size	Volt (VDC)	Value (μF)	Tol. ±	Price Each	
					1	100
X7R						
963-SMK316B7102KF-T	1206	630V	1000pF	10%		
963-SMK316B7152KF-T	1206	630V	1500pF	10%		
963-SMK316B7103KF-T	1206	630V	0.01	10%		
963-SMK325B7223KN-T	1210	630V	0.022	10%		
963-SMK325B7333KN-T	1210	630V	0.033	10%		
963-SMK325B7473KN-T	1210	630V	0.047	10%		
963-SMK432B7473KM-T	1812	630V	0.047	10%		
963-SMK432B7683KM-T	1812	630V	0.068	10%		
963-SMK432B7104KM-T	1812	630V	0.1	10%		

MLCCs FOR HIGH FREQUENCY APPLICATIONS

Features:

- Q value in the high frequency range (1GHz+) is superior compared to other types of multilayer capacitors
- The 1005 (0402) case size is designed for high density mounting and weight reduction in various applications

Applications:

- Suitable for those high frequency applications in which a capacitor with both a high Q-value and small size is required such as portable communications and other wireless applications
- Adjustment of characteristics in high frequency circuit

* For additional values and sizes, visit mouser.com



Type	DIMENSIONS: mm			
	L	W	T	e
VK105 (0402 inch)	1.6±0.10	0.8±0.10	0.8±0.10	A 0.35±0.25

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Case Size	Volt (VDC)	Value (pF)	Temp. Char.	Tol. ±	Price Each			
							1	100	500	1000
C0H										
963-UVK105CH0R3BW-F	UVK105CH0R3BW-F	0402	50V	0.3	C0H	0.1pF				
963-UVK105CH0R4BW-F	UVK105CH0R4BW-F	0402	50V	0.4	C0H	0.1pF				
963-UVK105CH0R5BW-F	UVK105CH0R5BW-F	0402	50V	0.5	C0H	0.1pF				
963-UVK105CH0R6BW-F	UVK105CH0R6BW-F	0402	50V	0.6	C0H	0.1pF				
963-UVK105CH0R7BW-F	UVK105CH0R7BW-F	0402	50V	0.7	C0H	0.1pF				
963-UVK105CH0R8BW-F	UVK105CH0R8BW-F	0402	50V	0.8	C0H	0.1pF				
963-UVK105CH0R9BW-F	UVK105CH0R9BW-F	0402	50V	0.9	C0H	0.1pF				
963-UVK105CH1R1BW-F	UVK105CH1R1BW-F	0402	50V	1.1	C0H	0.1pF				
963-UVK105CH1R2BW-F	UVK105CH1R2BW-F	0402	50V	1.2	C0H	0.1pF				
963-UVK105CH1R3BW-F	UVK105CH1R3BW-F	0402	50V	1.3	C0H	0.1pF				
963-UVK105CH1R5BW-F	UVK105CH1R5BW-F	0402	50V	1.5	C0H	0.1pF				
963-UVK105CH1R6BW-F	UVK105CH1R6BW-F	0402	50V	1.6	C0H	0.1pF				
963-UVK105CH1R8BW-F	UVK105CH1R8BW-F	0402	50V	1.8	C0H	0.1pF				
963-UVK105CH010BW-F	UVK105CH010BW-F	0402	50V	1	C0H	0.1pF				
963-UVK105CH2R2JW-F	UVK105CH2R2JW-F	0402	50V	2.2	C0H	5%				

TDK 2 ELEMENT CAPACITOR ARRAYS

- Features:**
- Multiple capacitors (2) in one package
 - Reduced space needed for equal capacity
 - Unique electrode construction reduces crosstalk in RF applications
 - Decreases mounting time by 50% compared to individual components
 - No polarity



RoHS Compliant

DIMENSIONS: in. (mm)

2 ELEMENTS NO GND

	CKCM25	CKCL22
L	1.37 ± 0.15	2.0 ± 0.15
W	1.0 ± 0.15	1.25 ± 0.15
T	0.66 max.	1.0 max.
C	0.36 ± 0.1	0.45 ± 0.1
CL	0.20 ± 0.1	0.20 +0.2, -0.1
P	0.64 ± 0.1	1.0 ± 0.1
S	0.32 ± 0.1	0.32 ± 0.1

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Case Size	Temp. Coeff.	Volt (VDC)	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
							1	100	1000		
810-CKCM25C0G1H220K	CKCM25C0G1H220K	0603	C0G	50	22	10%				4000	
810-CKCM25C0G1H470K	CKCM25C0G1H470K	0603	C0G	50	47	10%				4000	
810-CKCM25C0G1H680K	CKCM25C0G1H680K	0603	C0G	50	68	10%				4000	
810-CKCM25C0G1H101K	CKCM25C0G1H101K	0603	C0G	50	100	10%				4000	
810-CKCM25X7R1H102M	CKCM25X7R1H102M	0603	X7R	50	1000	20%				4000	
810-CKCM25X7R1H222M	CKCM25X7R1H222M	0603	X7R	50	2200	20%				4000	
810-CKCM25X7R1E472M	CKCM25X7R1E472M	0603	X7R	25	4700	20%				4000	
810-CKCM25X7R1C103M	CKCM25X7R1C103M	0603	X7R	16	.01µF	20%				4000	
810-CKCM25X5R1A223M	CKCM25X5R1A223M	0603	X5R	10	.022µF	20%				4000	
810-CKCM25X5R1A473M	CKCM25X5R1A473M	0603	X5R	10	.047µF	20%				4000	
810-CKCM25X5R0J104M	CKCM25X5R0J104M	0603	X5R	6.3	.1µF	20%				4000	
810-CKCM25X5R0J474M	CKCM25X5R0J474M	0603	X5R	6.3	.47µF	20%				4000	
810-CKCM25X5R0J105M	CKCM25X5R0J105M	0603	X5R	6.3	1.0µF	20%				4000	
810-CKCL22C0G1H150K	CKCL22C0G1H150K	0805	C0G	50	15	10%				4000	
810-CKCL22C0G1H220K	CKCL22C0G1H220K	0805	C0G	50	22	10%				4000	
810-CKCL22C0G1H330K	CKCL22C0G1H330K	0805	C0G	50	33	10%				4000	
810-CKCL22C0G1H470K	CKCL22C0G1H470K	0805	C0G	50	47	10%				4000	
810-CKCL22C0G1H680K	CKCL22C0G1H680K	0805	C0G	50	68	10%				4000	
810-CKCL22C0G1H101K	CKCL22C0G1H101K	0805	C0G	50	100	10%				4000	
810-CKCL22C0G1H151K	CKCL22C0G1H151K	0805	C0G	50	150	10%				4000	
810-CKCL22C0G1H221K	CKCL22C0G1H221K	0805	C0G	50	220	10%				4000	
810-CKCL22C0G1H471K	CKCL22C0G1H471K	0805	C0G	50	470	10%				4000	
810-CKCL22X7R1H102M	CKCL22X7R1H102M	0805	X7R	50	1000	20%				4000	
810-CKCL22X7R1H222M	CKCL22X7R1H222M	0805	X7R	50	2200	20%				4000	
810-CKCL22X7R1H472M	CKCL22X7R1H472M	0805	X7R	50	4700	20%				4000	
810-CKCL22X7R1H103M	CKCL22X7R1H103M	0805	X7R	50	.01µF	20%				4000	
810-CKCL22X7R1E223M	CKCL22X7R1E223M	0805	X7R	25	.022µF	20%				4000	
810-CKCL22X7R1E473M	CKCL22X7R1E473M	0805	X7R	25	.047µF	20%				4000	
810-CKCL22X7R1C104M	CKCL22X7R1C104M	0805	X7R	16	.1µF	20%				4000	
810-CKCL22X5R1A224M	CKCL22X5R1A224M	0805	X5R	10	.022µF	20%				4000	
810-CKCL22X5R0J474M	CKCL22X5R0J474M	0805	X5R	6.3	.47µF	20%				4000	
810-CKCL22X5R0J105M	CKCL22X5R0J105M	0805	X5R	6.3	1.0µF	20%				4000	

Ceramic Caps, SMD TDK

TDK 4 ELEMENT CAPACITOR ARRAYS

- Features:**
- Multiple capacitors (4) in one package
 - Highly effective in EMC countermeasure applications
 - Unique electrode construction reduces crosstalk in RF applications
 - Decreases mounting time by 75% compared to individual components
 - No polarity



RoHS Compliant

DIMENSIONS: mm

4 ELEMENTS NO GND

	CKCM44	CKCL43
L	2.00 ± 0.15	3.20 ± 0.20
W	1.25 ± 0.15	1.60 ± 0.20
T	1.00 max.	1.10 max.
P	0.50 ± 0.10	0.80 +0.20, -0.10
C	0.25 ± 0.10	0.40 +0.20, -0.10
CL	0.10 ~ 0.10	0.15 ~ 0.40

0805 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Case Size	Temp. Coeff.	Volt (VDC)	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
							1	100	1000		
810-CKCL44C0G1H100F	CKCL44C0G1H100F	0805	C0G	50	10	1.0pF				4000	
810-CKCL44C0G1H150K	CKCL44C0G1H150K	0805	C0G	50	15	10%				4000	
810-CKCL44C0G1H220K	CKCL44C0G1H220K	0805	C0G	50	22	10%				4000	
810-CKCL44C0G1H330K	CKCL44C0G1H330K	0805	C0G	50	33	10%				4000	
810-CKCL44C0G1H470K	CKCL44C0G1H470K	0805	C0G	50	47	10%				4000	
810-CKCL44C0G1H680K	CKCL44C0G1H680K	0805	C0G	50	68	10%				4000	
810-CKCL44C0G1H101K	CKCL44C0G1H101K	0805	C0G	50	100	10%				4000	
810-CKCL44C0G1H151K	CKCL44C0G1H151K	0805	C0G	50	150	20%				4000	
810-CKCL44X7R1H221M	CKCL44X7R1H221M	0805	X7R	50	220	20%				4000	
810-CKCL44X7R1H471M	CKCL44X7R1H471M	0805	X7R	50	470	20%				4000	
810-CKCL44X7R1H102M	CKCL44X7R1H102M	0805	X7R	50	1000	20%				4000	
810-CKCL44X7R1H222M	CKCL44X7R1H222M	0805	X7R	50	2200	20%				4000	
810-CKCL44X7R1H472M	CKCL44X7R1H472M	0805	X7R	50	4700	20%				4000	
810-CKCL44X7R1E103M	CKCL44X7R1E103M	0805	X7R	25	.01µF	20%				4000	
810-CKCL44X7R1C223M	CKCL44X7R1C223M	0805	X7R	16	.022µF	20%				4000	
810-CKCL44X5R1A473M	CKCL44X5R1A473M	0805	X5R	10	.047µF	20%				4000	
810-CKCL44X5R0J104M	CKCL44X5R0J104M	0805	X5R	6.3	.1µF	20%				4000	

1206 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Case Size	Temp. Coeff.	Volt (VDC)	Value (pF)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
							1	100	1000		
810-CKCA43C0G1H100F	CKCA43C0G1H100F	1206	C0G	50	10	1.0pF				2000	
810-CKCA43C0G1H150K	CKCA43C0G1H150K	1206	C0G	50	15	10%				2000	
810-CKCA43C0G1H220K	CKCA43C0G1H220K	1206	C0G	50	22	10%				2000	
810-CKCA43C0G1H330K	CKCA43C0G1H330K	1206	C0G	50	33	10%				2000	
810-CKCA43C0G1H470K	CKCA43C0G1H470K	1206	C0G	50	47	10%				2000	
810-CKCA43C0G1H680K	CKCA43C0G1H680K	1206	C0G	50	68	10%				2000	
810-CKCA43C0G1H101K	CKCA43C0G1H101K	1206	C0G	50	100	10%				2000	
810-CKCA43C0G1H151K	CKCA43C0G1H151K	1206	C0G	50	150	10%				2000	
810-CKCA43C0G1H221K	CKCA43C0G1H221K	1206	C0G	50	220	10%				2000	
810-CKCA43C0G1H331K	CKCA43C0G1H331K	1206	C0G	50	330	10%				2000	
810-CKCA43C0G1H471K	CKCA43C0G1H471K	1206	C0G	50	470	10%				2000	
810-CKCA43X7R1H471M	CKCA43X7R1H471M	1206	X7R	50	470	20%				2000	
810-CKCA43X7R1H102M	CKCA43X7R1H102M	1206	X7R	50	1000	20%				2000	
810-CKCA43X7R1H222M	CKCA43X7R1H222M	1206	X7R	50	2200	20%				2000	
810-CKCA43X7R1H472M	CKCA43X7R1H472M	1206	X7R	50	4700	20%				2000	
810-CKCA43X7R1H103M	CKCA43X7R1H103M	1206	X7R	50	.01µF	20%				2000	
810-CKCA43X7R1H223M	CKCA43X7R1H223M	1206	X7R	50	.022µF	20%				2000	
810-CKCA43X7R1E473M	CKCA43X7R1E473M	1206	X7R	25	.047µF	20%				2000	
810-CKCA43X7R1C104M	CKCA43X7R1C104M	1206	X7R	16	.1µF	20%				2000	

TDK Ceramic Chip Capacitors



This product is RoHS compliant.

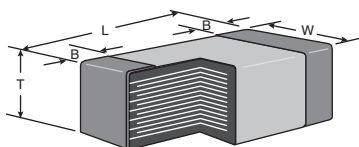
C SERIES CONDUCTIVE EPOXY CAPACITORS

Features:

- AgPdCu termination for conductive glue mounting
- Reduce risk of silver migration
- Improved mechanical/thermal strength when used with conductive glue
- AEC Q-200 compliant
- RoHS, WEE, and REACH compliant

Applications:

- Transmission control
- Engine sensor module
- Automotive power train
- Anti-Lock Breaking System
- Application requiring conductive glue mounting method



Case Code	Dimensions: mm		
	L	W	T
C1005/0402	1.00	0.50	0.50
C1608/0603	1.60	0.80	0.80
C2012/0805	2.00	1.25	1.25
C3216/1206	3.20	1.60	1.60
C3225/1210	3.20	2.50	2.50

C1005 (CC0402)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
					L	W	T	1	50	100	500		
Temperature Coef: C0G													
810-C1005C0G1H100DEP	C1005C0G1H100D/EPOXY	10	50	.5pF	1.0	0.5	0.5					10000	
810-C1005C0G1H101JEP	C1005C0G1H101J/EPOXY	100	50	5	1.0	0.5	0.5					10000	
Temperature Coef: X8R													
810-C1005X8R1H221KEP	C1005X8R1H221K/EPOXY	22	50	10	1.0	0.5	0.5					10000	
810-C1005X8R1H471KEP	C1005X8R1H471K/EPOXY	470	50	10	1.0	0.5	0.5					10000	
810-C1005X8R1H102KEP	C1005X8R1H102K/EPOXY	1000	50	10	1.0	0.5	0.5					10000	
810-C1005X8R1H222KEP	C1005X8R1H222K/EPOXY	2200	50	10	1.0	0.5	0.5					10000	
810-C1005X8R1H472KEP	C1005X8R1H472K/EPOXY	4700	50	10	1.0	0.5	0.5					10000	
810-C1005X8R1E103KEP	C1005X8R1E103K/EPOXY	.01µF	25	10	1.0	0.5	0.5					10000	

C1608 (CC0603)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
					L	W	T	1	50	100	500		
Temperature Coef: C0G													
810-C1608C0G1H100DEP	C1608C0G1H100D/EPOXY	10	50	.5pF	1.6	0.8	0.8					4000	
810-C1608C0G1H101JEP	C1608C0G1H101J/EPOXY	100	50	5	1.6	0.8	0.8					4000	
810-C1608C0G1H102JEP	C1608C0G1H102J/EPOXY	1000	50	5	1.6	0.8	0.8					4000	
810-C1608C0G2A101JEP	C1608C0G2A101J/EPOXY	10	100	5	1.6	0.8	0.8					4000	
810-C1608C0G2A221JEP	C1608C0G2A221J/EPOXY	220	100	5	1.6	0.8	0.8					4000	
810-C1608C0G2A471JEP	C1608C0G2A471J/EPOXY	470	100	5	1.6	0.8	0.8					4000	
810-C1608C0G2A102JEP	C1608C0G2A102J/EPOXY	1000	100	5	1.6	0.8	0.8					4000	
Temperature Coef: X7R													
810-C1608X7R1H102KEP	C1608X7R1H102K/EPOXY	1000	50	10	1.6	0.8	0.8					4000	
810-C1608X7R1H222KEP	C1608X7R1H222K/EPOXY	2200	50	10	1.6	0.8	0.8					4000	
810-C1608X7R1H472KEP	C1608X7R1H472K/EPOXY	4700	50	10	1.6	0.8	0.8					4000	
810-C1608X7R1H103KEP	C1608X7R1H103K/EPOXY	.01µF	50	10	1.6	0.8	0.8					4000	
810-C1608X7R1H223KEP	C1608X7R1H223K/EPOXY	.022µF	50	10	1.6	0.8	0.8					4000	
810-C1608X7R1H473KEP	C1608X7R1H473K/EPOXY	.047µF	50	10	1.6	0.8	0.8					4000	
810-C1608X7R1H104KEP	C1608X7R1H104K/EPOXY	0.1µF	50	10	1.6	0.8	0.8					4000	
Temperature Coef: X8R													
810-C1608X8R2A102KEP	C1608X8R2A102K/EPOXY	1000	100	10	1.6	0.8	0.8					4000	
810-C1608X8R2A222KEP	C1608X8R2A222K/EPOXY	2200	100	10	1.6	0.8	0.8					4000	
810-C1608X8R2A472KEP	C1608X8R2A472K/EPOXY	4700	100	10	1.6	0.8	0.8					4000	
810-C1608X8R2A103KEP	C1608X8R2A103K/EPOXY	.01µF	100	10	1.6	0.8	0.8					4000	
810-C1608X8R1H102KEP	C1608X8R1H102K/EPOXY	1000	50	10	1.6	0.8	0.8					4000	
810-C1608X8R1H103KEP	C1608X8R1H103K/EPOXY	.01µF	50	10	1.6	0.8	0.8					4000	
810-C1608X8R1H223KEP	C1608X8R1H223K/EPOXY	.022µF	50	10	1.6	0.8	0.8					4000	
810-C1608X8R1H473KEP	C1608X8R1H473K/EPOXY	.047µF	50	10	1.6	0.8	0.8					4000	
810-C1608X8R1E104KEP	C1608X8R1E104K/EPOXY	.1µF	25	10	1.6	0.8	0.8					4000	

C2012 (CC0805)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
					L	W	T	1	50	100	500		
Temperature Coef: X7R													
810-C2012X7R1E105KEP	C2012X7R1E105K/EPOXY	1µF	25	10	2.0	1.25	1.25					2000	
Temperature Coef: X8R													
810-C2012X8R1H104KEP	C2012X8R1H104K/EPOXY	.1µF	50	10	2.0	1.25	1.25					2000	

C3216 (CC1206)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
					L	W	T	1	50	100	500		
Temperature Coef: X7R													
810-C3216X7R1E106MEP	C3216X7R1E106M/EPOXY	10µf	25	20	3.2	1.6	1.6					2000	
Temperature Coef: X8R													
810-C3216X8R1E105KEP	C3216X8R1E105K/EPOXY	1µF	25	10	3.2	1.6	1.6					2000	

C3225 (CC1210)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
					L	W	T	1	50	100	500		
Temperature Coef: X7R													
810-C3225X7R1H105KEP	C3225X7R1H105K/EPOXY	1µF	50	10	3.2	2.5	2.5					2000	

TDK MLCC Capacitors



RoHS Compliant This product is RoHS compliant.

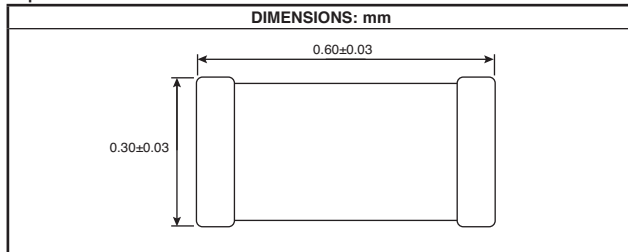
C SERIES - HIGH Q, HIGH FREQUENCY CAPACITORS

Features:

- Excellent attenuation
- High self-resonant frequency
- Higher Q factor than standard capacitors
- Lower power dissipation/less energy absorption
- High stability with respect to time, temperature, frequency, and voltage

Specifications:

- 0201 Case Size
- Temperature Range: -55°C to +125°C
- Rated Voltage (DC): 25V
- Temperature Coefficient: C0G
- Capacitance range of 0.2pF to 15pF
- Available in standard and tight tolerance



FK Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Tol. (%)	Price Each				Reel Qty.	Price Per Piece
				1	100	500	1000		
810-C0603C0G1E0R2BTQ	C0603C0G1E0R2BTQ	0.2	0.10					15000	
810-C0603C0G1E0R3BTQ	C0603C0G1E0R3BTQ	0.3	0.10					15000	
810-C0603C0G1E0R4BTQ	C0603C0G1E0R4BTQ	0.4	0.10					15000	
810-C0603C0G1E0R5BTQ	C0603C0G1E0R5BTQ	0.5	0.10					15000	
810-C0603C0G1E0R6BTQ	C0603C0G1E0R6BTQ	0.6	0.10					15000	
810-C0603C0G1E0R7BTQ	C0603C0G1E0R7BTQ	0.7	0.10					15000	
810-C0603C0G1E0R8BTQ	C0603C0G1E0R8BTQ	0.8	0.10					15000	
810-C0603C0G1E0R9BTQ	C0603C0G1E0R9BTQ	0.9	0.10					15000	
810-C0603C0G1E010BTQ	C0603C0G1E010BTQ	1	0.10					15000	
810-C0603C0G1E010CTQ	C0603C0G1E010CTQ	1	0.25					15000	
810-C0603C0G1E1R2BTQ	C0603C0G1E1R2BTQ	1.2	0.10					15000	
810-C0603C0G1E1R2CTQ	C0603C0G1E1R2CTQ	1.2	0.25					15000	
810-C0603C0G1E1R5BTQ	C0603C0G1E1R5BTQ	1.5	0.10					15000	
810-C0603C0G1E1R5CTQ	C0603C0G1E1R5CTQ	1.5	0.25					15000	
810-C0603C0G1E1R8BTQ	C0603C0G1E1R8BTQ	1.8	0.10					15000	
810-C0603C0G1E1R8CTQ	C0603C0G1E1R8CTQ	1.8	0.25					15000	
810-C0603C0G1E020BTQ	C0603C0G1E020BTQ	2	0.10					15000	
810-C0603C0G1E020CTQ	C0603C0G1E020CTQ	2	0.25					15000	
810-C0603C0G1E2R2BTX	C0603C0G1E2R2BTX	2.2	0.10					15000	
810-C0603C0G1E2R2CTX	C0603C0G1E2R2CTX	2.2	0.25					15000	
810-C0603C0G1E2R7BTX	C0603C0G1E2R7BTX	2.7	0.10					15000	
810-C0603C0G1E2R7CTX	C0603C0G1E2R7CTX	2.7	0.25					15000	
810-C0603C0G1E030BTX	C0603C0G1E030BTX	3	0.10					15000	
810-C0603C0G1E030CTX	C0603C0G1E030CTX	3	0.25					15000	
810-C0603C0G1E3R3BTX	C0603C0G1E3R3BTX	3.3	0.10					15000	
810-C0603C0G1E3R3CTX	C0603C0G1E3R3CTX	3.3	0.25					15000	
810-C0603C0G1E3R9BTX	C0603C0G1E3R9BTX	3.9	0.10					15000	
810-C0603C0G1E3R9CTX	C0603C0G1E3R9CTX	3.9	0.25					15000	
810-C0603C0G1E040BTX	C0603C0G1E040BTX	4	0.10					15000	
810-C0603C0G1E040CTX	C0603C0G1E040CTX	4	0.25					15000	
810-C0603C0G1E4R7BTX	C0603C0G1E4R7BTX	4.7	0.10					15000	
810-C0603C0G1E4R7CTX	C0603C0G1E4R7CTX	4.7	0.25					15000	
810-C0603C0G1E050BTX	C0603C0G1E050BTX	5	0.10					15000	
810-C0603C0G1E050CTX	C0603C0G1E050CTX	5	0.25					15000	
810-C0603C0G1E5R6BTX	C0603C0G1E5R6BTX	5.6	0.10					15000	
810-C0603C0G1E5R6CTX	C0603C0G1E5R6CTX	5.6	0.25					15000	
810-C0603C0G1E060BTX	C0603C0G1E060BTX	6	0.10					15000	
810-C0603C0G1E060CTX	C0603C0G1E060CTX	6	0.25					15000	
810-C0603C0G1E6R8BTX	C0603C0G1E6R8BTX	6.8	0.10					15000	
810-C0603C0G1E6R8CTX	C0603C0G1E6R8CTX	6.8	0.25					15000	
810-C0603C0G1E070BTX	C0603C0G1E070BTX	7	0.10					15000	
810-C0603C0G1E070CTX	C0603C0G1E070CTX	7	0.25					15000	
810-C0603C0G1E080BTX	C0603C0G1E080BTX	8	0.10					15000	
810-C0603C0G1E080CTX	C0603C0G1E080CTX	8	0.25					15000	
810-C0603C0G1E8R2BTX	C0603C0G1E8R2BTX	8.2	0.10					15000	
810-C0603C0G1E8R2CTX	C0603C0G1E8R2CTX	8.2	0.25					15000	
810-C0603C0G1E090BTX	C0603C0G1E090BTX	9	0.10					15000	
810-C0603C0G1E090CTX	C0603C0G1E090CTX	9	0.25					15000	
810-C0603C0G1E100DTX	C0603C0G1E100DTX	10	0.50					15000	
810-C0603C0G1E100ETX	C0603C0G1E100ETX	10	0.20					15000	
810-C0603C0G1E120GTX	C0603C0G1E120GTX	12	2					15000	
810-C0603C0G1E120JTX	C0603C0G1E120JTX	12	5					15000	
810-C0603C0G1E150GTX	C0603C0G1E150GTX	15	2					15000	
810-C0603C0G1E150JTX	C0603C0G1E150JTX	15	5					15000	

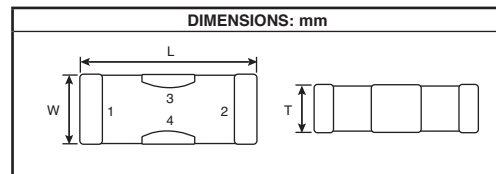
Ceramic Caps, SMD TDK

CER SERIES - ESR-CONTROLLING TYPE CAPACITORS

Specifications:

- Temperature Coefficient: X5R
- Temperature Range: -55°C to +85°C
- Rated Voltage (DC): 4V
- Capacitance Tolerance (±): 20%

Type	CERB (0603)	CERD (0805)
L	1.60±0.20	2.00±0.20
W	0.80±0.10	1.25±0.20
T	0.80±0.10	0.85±0.15



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Tol. (%)	ESR Code (mΩ)	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
810-CERB2CX5R0G105M	CERB2CX5R0G105M	0603	1	200				4000	
810-CERB2MX5R0G105M	CERB2MX5R0G105M	0603	1	650				4000	
810-CERB3UX5R0G105M	CERB3UX5R0G105M	0603	1	1200				4000	
810-CERD1CX5R0G106M	CERD1CX5R0G106M	0805	10	20				4000	
810-CERD1JX5R0G106M	CERD1JX5R0G106M	0805	10	50				4000	
810-CERD2AX5R0G106M	CERD2AX5R0G106M	0805	10	100				4000	
810-CERD2CX5R0G106M	CERD2CX5R0G106M	0805	10	200				4000	
810-CERD2JX5R0G106M	CERD2JX5R0G106M	0805	10	500				4000	

TDK High Capacitance Ceramic Chip Capacitors

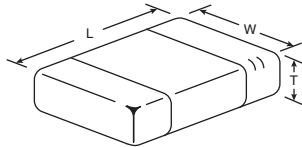


RoHS Compliant This product is RoHS compliant.

C SERIES CAPACITORS

Features:

- High capacitance has been achieved through precision technologies
- Monolithic structure ensures superior mechanical strength and reliability
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances.
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes.



EIA Code	EIAJ Code	Dim. (mm)	
		L	W
0201	0603	0.6	0.3
0402	1005	1.0	.05
0508	1220	1.25	2.0
0603	1608	1.6	0.8

Style 0201

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X5R										
810	C0603X5R0J224M	0.22	6.3	20%	0.3				15000	
810	C0603X5R1A224M	0.22	10	20%	0.3				15000	
810	C0603X5R1C224M	0.22	16	20%	0.3				15000	
810	C0603X5R0J334M	0.33	6.3	±20%	0.3				15000	
810	C0603X5R0J474M	0.47	6.3	±20%	0.3				15000	
810	C0603X5R0J105M	1	6.3	±20%	0.3				15000	
Temperature Coef: X6S										
810	C0603X6S0G224K	0.22	4	±10%	0.3				15000	
810	C0603X6S0G224M	0.22	4	±20%	0.3				15000	
810	C0603X6S0J104K	0.1	6.3	±10%	0.3				15000	
810	C0603X6S0J104M	0.1	6.3	±20%	0.3				15000	
810	C0603X6S0J224K	0.22	6.3	±10%	0.3				15000	
810	C0603X6S0J224M	0.22	6.3	±20%	0.3				15000	

Style 0402

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X5R										
810	C1005X5R0J104K	0.1	6.3	10%	0.5				10000	
810	C1005X5R0J104M	0.1	6.3	20%	0.5				10000	
810	C1005X5R1A104K	0.1	10	10%	0.5				10000	
810	C1005X5R1A104M	0.1	10	20%	0.5				10000	
810	C1005X5R1C104K	0.1	16	10%	0.5				10000	
810	C1005X5R1C104M	0.1	16	20%	0.5				10000	
810	C1005X5R1E104K	0.1	25	10%	0.5				10000	
810	C1005X5R1E104M	0.1	25	20%	0.5				10000	
810	C1005X5R1H104K	0.1	50	10%	0.5				10000	
810	C1005X5R0J224M	0.22	6.3	20%	0.5				10000	
810	C1005X5R1A224K	0.22	10	10%	0.5				10000	
810	C1005X5R1A224M	0.22	10	20%	0.5				10000	
810	C1005X5R1C224M	0.22	16	20%	0.5				10000	
810	C1005X5R1E224K	0.22	25	10%	0.5				10000	
810	C1005X5R0J334K	0.33	6.3	10%	0.5				10000	
810	C1005X5R0J334M	0.33	6.3	20%	0.5				10000	
810	C1005X5R1A334K	0.33	10	10%	0.5				10000	
810	C1005X5R1A334M	0.33	10	20%	0.5				10000	
810	C1005X5R1C334K	0.33	16	10%	0.5				10000	
810	C1005X5R1C334M	0.33	16	20%	0.5				10000	
810	C1005X5R1E334K	0.33	25	±10%	0.5				10000	
810	C1005X5R1E334M	0.33	25	±20%	0.5				10000	
810	C1005X5R0J474M	0.47	6.3	20%	0.5				10000	
810	C1005X5R1A474K	0.47	10	10%	0.5				10000	
810	C1005X5R1A474M	0.47	10	20%	0.5				10000	
810	C1005X5R1C474M	0.47	16	20%	0.5				10000	
810	C1005X5R1E474K	0.47	25	±10%	0.5				10000	
810	C1005X5R1E474M	0.47	25	±20%	0.5				10000	
810	C1005X5R0J105M	1	6.3	20%	0.5				10000	
810	C1005X5R1A105K	1	10	10%	0.5				10000	
810	C1005X5R1C105K	1	16	10%	0.5				10000	
810	C1005X5R1C105M	1	16	20%	0.5				10000	
810	C1005X5R0G335K	3.3	4	10%	0.5				10000	
810	C1005X5R0J335K	3.3	6.3	10%	0.5				10000	
810	C1005X5R1A335M	3.3	10	±20%	0.5				10000	
810	C1005X5R0G475K	4.7	4	10%	0.5				10000	
810	C1005X5R0J475K	4.7	6.3	10%	0.5				10000	
810	C1005X5R1A475M	4.7	10	±20%	0.5				10000	
Temperature Coef: X5R										
810	C1005X6S1C474K	0.47	16	±10%	0.5				10000	
810	C1005X6S1C474M	0.47	16	±20%	0.5				10000	
810	C1005X6S0G105K	1	4	10%	0.5				10000	
810	C1005X6S0G105M	1	4	20%	0.5				10000	
810	C1005X6S0J105K	1	6.3	10%	0.5				10000	
810	C1005X6S0J105M	1	6.3	20%	0.5				10000	
810	C1005X6S0G225M	2.2	4	20%	0.5				10000	
810	C1005X6S0G475M	4.7	4	±20%	0.5				10000	
Temperature Coef: X7R										
810	C1005X7R1A104M	0.1	10	20%	0.5				10000	
810	C1005X7R1C104M	0.1	16	20%	0.5				10000	

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Style 0402 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X7R (Cont.)										
810	C1005X7R1H104K	0.1	50	10%	0.5				10000	
810	C1005X7R1C154K	0.15	16	10%	0.5				10000	
810	C1005X7R1A224K	0.22	10	10%	0.5				10000	
810	C1005X7R1C224K	0.22	16	10%	0.5				10000	
Temperature Coef: X7S										
810	C1005X7S0G105K	0.1	4	±10%	0.5				10000	
810	C1005X7S0G105M	0.1	4	±20%	0.5				10000	
810	C1005X7S0J474K	0.47	6.3	±10%	0.5				10000	
810	C1005X7S0J474M	0.47	6.3	±20%	0.5				10000	
810	C1005X7S1A474K	0.47	10	±10%	0.5				10000	
810	C1005X7S1A474M	0.47	10	±20%	0.5				10000	
Temperature Coef: Y5V										
810	C1005Y5V1C104Z	0.1	16	+80,-20%	0.5				10000	
810	C1005Y5V1E104Z	0.1	25	+80,-20%	0.5				10000	
810	C1005Y5V1A224Z	0.22	10	+80,-20%	0.5				10000	
810	C1005Y5V1C224Z	0.22	16	+80,-20%	0.5				10000	
810	C1005Y5V1E224Z	0.22	25	+80,-20%	0.5				10000	
810	C1005Y5V1A474Z	0.47	10	+80,-20%	0.5				10000	
810	C1005Y5V0J105Z	1	6.3	+80,-20%	0.5				10000	

Style 0508

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X7R										
810	C0816X7R1C104K	0.1	16	10%	0.50				4000	

Style 0603

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X5R										
810	C1608X5R1A224K	0.22	10	10%	0.8				4000	
810	C1608X5R1E224M	0.22	25	20%	0.8				4000	
810	C1608X5R1E334K	0.33	25	10%	0.8				4000	
810	C1608X5R1E334M	0.33	25	20%	0.8				4000	
810	C1608X5R1A474K	0.47	10	10%	0.8				4000	
810	C1608X5R1C474M	0.47	16	20%	0.8				4000	
810	C1608X5R1E474K	0.47	25	10%	0.8				4000	
810	C1608X5R1E474M	0.47	25	20%	0.8				4000	
810	C1608X5R1A684K	0.68	10	10%	0.8				4000	
810	C1608X5R1A684M	0.68	10	20%	0.8				4000	
810	C1608X5R1C684K	0.68	16	10%	0.8				4000	
810	C1608X5R1C684M	0.68	16	20%	0.8				4000	
810	C1608X5R0J105K	1	6.3	10%	0.8				4000	
810	C1608X5R1A105K	1	10	10%	0.8				4000	
810	C1608X5R1A105M	1	10	20%	0.8				4000	
810	C1608X5R1C105K	1	16	10%	0.8				4000	
810	C1608X5R1E105M	1	25	20%	0.8				4000	
810	C1608X5R1E155K	1.5	25	10%	0					

TDK High Capacitance Ceramic Chip Capacitors



NEW AT MOUSER

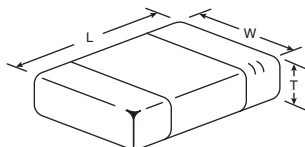
Ceramic Caps, SMD

TDK

NEW AT MOUSER

NEW AT MOUSER

RoHS Compliant This product is RoHS compliant.



EIA Code	EIAJ Code	Dim. (mm)	
		L	W
0603	1608	1.6	0.8
0612	1632	1.6	3.2
0805	2012	2.0	1.25
1206	3216	3.2	1.6

C SERIES CAPACITORS (CONT.)

Features:

- High capacitance has been achieved through precision technologies
- Monolithic structure ensures superior mechanical strength and reliability
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances.
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes.

Style 0603 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X7R										
810	C1608X7R1C104K	0.1	16	10%	0.8				4000	
810	C1608X7R1E104K	0.1	25	10%	0.8				4000	
810	C1608X7R1E104M	0.1	25	20%	0.8				4000	
810	C1608X7R1H104K	0.1	50	10%	0.8				4000	
810	C1608X7R1C154K	0.15	16	10%	0.8				4000	
810	C1608X7R1E154K	0.15	25	10%	0.8				4000	
810	C1608X7R1C224K	0.22	16	10%	0.8				4000	
810	C1608X7R1H334K	0.33	50	10%	0.8				4000	
810	C1608X7R1H334M	0.33	50	20%	0.8				4000	
810	C1608X7R1A474K	0.47	10	10%	0.8				4000	
810	C1608X7R1H474K	0.47	50	10%	0.8				4000	
810	C1608X7R1H474M	0.47	50	20%	0.8				4000	
810	C1608X7R1C684K	0.68	16	10%	0.8				4000	
810	C1608X7R1C684M	0.68	16	20%	0.8				4000	
810	C1608X7R1E684K	0.68	25	10%	0.8				4000	
810	C1608X7R1E684M	0.68	25	20%	0.8				4000	
810	C1608X7R1A105K	1	10	10%	0.8				4000	
810	C1608X7R1E105K	1	25	10%	0.8				4000	
810	C1608X7R1E105M	1	25	20%	0.8				4000	
810	C1608X7R0J225K	2.2	6.3	10%	0.8				4000	
810	C1608X7R0J225M	2.2	6.3	20%	0.8				4000	
810	C1608X7R1A225K	2.2	10	10%	0.8				4000	
810	C1608X7R1A225M	2.2	10	20%	0.8				4000	
Temperature Coef: X7S										
810	C1608X7S0G475M	4.7	4	20%	0.8				4000	
Temperature Coef: Y5V										
810	C1608Y5V1C104Z	0.1	16	+80,-20%	0.8				4000	
810	C1608Y5V1E104Z	0.1	25	+80,-20%	0.8				4000	
810	C1608Y5V1H104Z	0.1	50	+80,-20%	0.8				4000	
810	C1608Y5V1E474Z	0.47	25	+80,-20%	0.8				4000	
810	C1608Y5V1A105Z	1	10	+80,-20%	0.8				4000	
810	C1608Y5V1C105Z	1	16	+80,-20%	0.8				4000	
810	C1608Y5V1C225Z	2.2	16	+80,-20%	0.8				4000	

Style 0612

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X5R										
810	C1632X5R0J475K	4.7	6.3	10%	1.30				2000	
Temperature Coef: X7R										
810	C1632X7R0J225M	2.2	6.3	20%	1.15				2000	

Style 0805

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: SL										
810	C2012SL1A104J	0.1	10	±5%	1.25				2000	
Temperature Coef: X5R										
810	C2012X5R1A105K	1	10	10%	0.85				2000	
810	C2012X5R1C105K	1	16	10%	1.25				2000	
810	C2012X5R1H155K	1.5	50	10%	1.25				2000	
810	C2012X5R1H155M	1.5	50	20%	1.25				2000	
810	C2012X5R1A225K	2.2	10	10%	0.85				2000	
810	C2012X5R1E225K	2.2	25	10%	1.25				2000	
810	C2012X5R1H225K	2.2	50	10%	1.25				2000	
810	C2012X5R1H225M	2.2	50	20%	1.25				2000	
810	C2012X5R0J335K	3.3	6.3	10%	0.85				2000	
810	C2012X5R1H335K	3.3	50	10%	1.25				2000	
810	C2012X5R1H335M	3.3	50	20%	1.25				2000	
810	C2012X5R0J475K	4.7	6.3	10%	1.25				2000	
810	C2012X5R0J475M	4.7	6.3	20%	1.25				2000	
810	C2012X5R1H475K	4.7	50	10%	1.25				2000	
810	C2012X5R1H475M	4.7	50	20%	1.25				2000	
810	C2012X5R1E685K	6.8	25	10%	1.25				2000	
810	C2012X5R1E685M	6.8	25	20%	1.25				2000	
810	C2012X5R0J106M	10	6.3	20%	1.25				2000	

Style 0805 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X5R (Cont.)										
810	C2012X5R1A106K	10	10	10%	1.25				2000	
810	C2012X5R1E106K	10	25	10%	1.25				2000	
810	C2012X5R1E106M	10	25	20%	1.25				2000	
810	C2012X5R0J226M	22	6.3	20%	1.25				2000	
810	C2012X5R0J336M	33	6.3	20%	1.25				2000	
810	C2012X5R0G476M	47	4	20%	1.25				2000	
810	C2012X5R0J476M	47	6.3	20%	1.25				2000	
Temperature Coef: X6S										
810	C2012X6S0G476M	47	4	20%	1.25				2000	
Temperature Coef: X7R										
810	C2012X7R1E104K	0.1	25	10%	0.85				2000	
810	C2012X7R1H104K	0.1	50	10%	0.85				2000	
810	C2012X7R2A104K	0.1	100	10%	1.25				2000	
810	C2012X7R2A104M	0.1	100	20%	1.25				2000	
810	C2012X7R1C224K	0.22	16	10%	1.25				2000	
810	C2012X7R1E224K	0.22	25	10%	1.25				2000	
810	C2012X7R1H224K	0.22	50	10%	1.25				2000	
810	C2012X7R1C334K	0.33	16	10%	1.25				2000	
810	C2012X7R1C474K	0.47	16	10%	1.25				2000	
810	C2012X7R1E474K	0.47	25	10%	1.25				2000	
810	C2012X7R1A105K	1	10	10%	0.85				2000	
810	C2012X7R1C105K	1	16	10%	1.25				2000	
810	C2012X7R1E105K	1	25	10%	1.25				2000	
810	C2012X7R1E105M	1	25	20%	1.25				2000	
810	C2012X7R1H155K	1.5	50	10%	1.25				2000	
810	C2012X7R1H155M	1.5	50	20%	1.25				2000	
810	C2012X7R1C225K	2.2	16	10%	1.25				2000	
810	C2012X7R1H225K	2.2	50	10%	1.25				2000	
810	C2012X7R1H225M	2.2	50	20%	1.25				2000	
810	C2012X7R1E335K	3.3	25	10%	1.25				2000	
810	C2012X7R1E335M	3.3	25	20%	1.25				2000	
810	C2012X7R1E475K	4.7	25	10%	1.25				2000	
810	C2012X7R1E475M	4.7	25	20%	1.25				2000	
Temperature Coef: X7S										
810	C2012X7S2A154K	0.15	10	10%	0.85				4000	
810	C2012X7S2A154M	0.15	10	20%	0.85				4000	
810	C2012X7S2A224K	0.22	10	10%	0.85				4000	
810	C2012X7S2A224M	0.22	10	20%	0.85				4000	
810	C2012X7S2A334K	0.33	10	10%	1.25				2000	
810	C2012X7S2A334M	0.33	10	20%	1.25				2000	
810	C2012X7S2A474K	0.47	100	10%	1.25				2000	
810	C2012X7S2A474M	0.47	100	20%	1.25				2000	
810	C2012X7S2A105M	1	100	20%	1.25				2000	
810	C2012X7S0G226M	22	4	20%	1.25				2000	
Temperature Coef: Y5V										
810	C2012Y5V1C105Z	1	16	+80,-20%	0.85				2000	
810	C2012Y5V1E105Z	1	25	+80,-20%	0.85				2000	
810	C2012Y5V1H105Z	1	50	+80,-20%	1.25				2000	
810	C2012Y5V1C225Z	2.2	16	+80,-20%	1.25				2000	
810	C2012Y5V1E225Z	2.2	25	+80,-20%	1.25				2000	
810	C2012Y5V1A475Z	4.7	10	+80,-20%	1.25				2000	
810	C2012Y5V1A475Z-2	4.7	10	+80,-20%	0.85					

TDK High Capacitance Ceramic Chip Capacitors

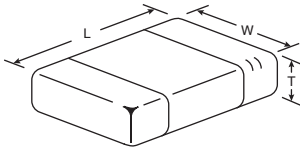


RoHS Compliant This product is RoHS compliant.

C SERIES CAPACITORS (CONT.)

Features:

- High capacitance has been achieved through precision technologies
- Monolithic structure ensures superior mechanical strength and reliability
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances.
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes.



EIA Code	EIAJ Code	Dim. (mm)	
		L	W
1206	3216	3.2	1.6
1210	3225	3.2	2.5

Style 1206

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X5R (Cont.)										
810	C3216X5R1A225M	2.2	10	20%	1.6				2000	
810	C3216X5R1C225K	2.2	16	10%	1.6				2000	
810	C3216X5R1C225M	2.2	16	20%	1.6				2000	
810	C3216X5R1E225K	2.2	25	10%	1.6				2000	
810	C3216X5R1E225M	2.2	25	20%	1.6				2000	
810	C3216X5R1A335K-3	3.3	10	10%	1.6				2000	
810	C3216X5R1A335M-3	3.3	10	20%	1.6				2000	
810	C3216X5R1C335M	3.3	16	20%	1.6				2000	
810	C3216X5R1E335K	3.3	25	10%	1.6				2000	
810	C3216X5R1E335M	3.3	25	20%	1.6				2000	
810	C3216X5R1H335K	3.3	50	10%	1.6				2000	
810	C3216X5R1H335M	3.3	50	20%	1.6				2000	
810	C3216X5R1A475K	4.7	10	10%	1.6				2000	
810	C3216X5R1A475M	4.7	10	20%	1.6				2000	
810	C3216X5R1C475K	4.7	16	10%	1.6				2000	
810	C3216X5R1H475K	4.7	50	10%	1.6				2000	
810	C3216X5R1H475M	4.7	50	20%	1.6				2000	
810	C3216X5R1C685K	6.8	16	10%	1.6				2000	
810	C3216X5R1C685M	6.8	16	20%	1.6				2000	
810	C3216X5R1H685K	6.8	50	10%	1.6				2000	
810	C3216X5R1H685M	6.8	50	20%	1.6				2000	
810	C3216X5R0J106M	10	6.3	20%	1.6				2000	
810	C3216X5R1A106M	10	10	20%	1.6				2000	
810	C3216X5R1C106M	10	16	20%	1.6				2000	
810	C3216X5R1H106K	10	50	10%	1.6				2000	
810	C3216X5R1H106M	10	50	20%	1.6				2000	
810	C3216X5R0J156M	15	6.3	20%	1.6				2000	
810	C3216X5R0J226K-5	22	6.3	10%	1.6				2000	
810	C3216X5R0J226M	22	6.3	20%	1.6				2000	
810	C3216X5R1A226M	22	10	20%	1.6				2000	
810	C3216X5R1C226M	22	16	20%	1.6				2000	
810	C3216X5R1E226M	22	25	20%	1.6				2000	
810	C3216X5R1V226M	22	35	20%	1.6				2000	
810	C3216X5R0J336M	33	6.3	20%	1.6				2000	
810	C3216X5R1A336M	33	10	20%	1.6				2000	
810	C3216X5R1C336M	33	16	20%	1.6				2000	
810	C3216X5R1E336M	33	25	20%	1.6				2000	
810	C3216X5R1A476M	47	10	20%	1.6				2000	
810	C3216X5R1C476M	47	16	20%	1.6				2000	
810	C3216X5R1E476M	47	25	20%	1.6				2000	
810	C3216X5R0G107M	100	4	20%	1.6				2000	
810	C3216X5R0J107M	100	6.3	20%	1.6				2000	
810	C3216X5R1A107M	100	10	20%	1.6				2000	
Temperature Coef: X6S										
810	C3216X6S1H475K	4.7	50	10%	1.6				2000	
810	C3216X6S1H475M	4.7	50	20%	1.6				2000	
810	C3216X6S1C106M	10	16	20%	1.6				2000	
810	C3216X6S1E106M	10	25	20%	1.6				2000	
810	C3216X6S1V106M	10	35	20%	1.6				2000	
810	C3216X6S1C226M	22	16	20%	1.6				2000	
810	C3216X6S0J476M	47	6.3	20%	1.6				2000	
810	C3216X6S1A476M	47	10	20%	1.6				2000	
810	C3216X6S0G107M	100	4	20%	1.6				2000	
Temperature Coef: X7R										
810	C3216X7R1H104M	0.1	50	20%	1.6				4000	
810	C3216X7R2A104K	0.1	100	10%	1.6				2000	
810	C3216X7R2A104M	0.1	100	20%	1.6				2000	
810	C3216X7R2E104M	0.1	250	20%	1.6				2000	
810	C3216X7R2A154K	0.15	100	10%	1.6				2000	
810	C3216X7R2A154M	0.15	100	20%	1.6				2000	
810	C3216X7R1E224K	0.22	25	10%	1.6				2000	
810	C3216X7R1E224M	0.22	25	20%	1.6				2000	
810	C3216X7R1H224M	0.22	50	20%	1.6				2000	
810	C3216X7R2A224M	0.22	100	20%	1.6				2000	
810	C3216X7R1H224K	0.22	50	10%	1.6				2000	
810	C3216X7R1E334K	0.33	25	10%	1.6				2000	
810	C3216X7R1E334M	0.33	25	20%	1.6				2000	
810	C3216X7R1H334K	0.33	50	10%	1.6				2000	
810	C3216X7R2A334K	0.33	100	10%	1.3				2000	
810	C3216X7R2A334M	0.33	100	20%	1.3				2000	
810	C3216X7R1C474K	0.47	16	10%	1.6				2000	
810	C3216X7R1C474M	0.47	16	20%	1.6				2000	
810	C3216X7R1E474K-2	0.47	25	10%	1.6				4000	
810	C3216X7R1E474M-2	0.47	25	20%	1.6				4000	
810	C3216X7R1H474M	0.47	50	20%	1.6				2000	
810	C3216X7R2A473K	0.47	100	10%	1.15				2000	

Style 1206

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X7R (Cont.)										
810	C3216X7R2A473M	0.47	100	20%	1.15				2000	
810	C3216X7R2A474M	0.47	100	20%	1.6				2000	
810	C3216X7R2E473M	0.47	250	20%	1.6				2000	
810	C3216X7R1H474K	0.47	50	10%	1.6				2000	
810	C3216X7R1E684K-2	0.68	25	10%	1.6				4000	
810	C3216X7R1E684M-2	0.68	25	20%	1.6				4000	
810	C3216X7R1H684K	0.68	50	10%	1.6				2000	
810	C3216X7R1H684M	0.68	50	20%	1.6				2000	
810	C3216X7R1C105K	1	16	10%	0.85				2000	
810	C3216X7R1C105K-2	1	16	10%	0.85				4000	
810	C3216X7R1C105K-3	1	16	10%	1.15				2000	
810	C3216X7R1C105M	1	16	20%	1.15				2000	
810	C3216X7R1C105M-2	1	16	20%	0.85				4000	
810	C3216X7R1C105M-3	1	16	20%	1.15				2000	
810	C3216X7R1E105K	1	25	10%	1.6				2000	
810	C3216X7R1E105K-2	1	25	10%	0.85				4000	
810	C3216X7R1E105M	1	25	10%	1.15				2000	
810	C3216X7R1H105K	1	50	10%	1.6				2000	
810	C3216X7R1H105M	1	50	20%	1.15				2000	
810	C3216X7R2A105M	1	100	10%	1.15				2000	
810	C3216X7R1E155K	1.5	25	10%	1.6				2000	
810	C3216X7R1E155M	1.5	25	20%	1.6				2000	
810	C3216X7R1C225K	2.2	16	10%	1.6				2000	
810	C3216X7R1C225M	2.2	16	20%	1.15				2000	
810	C3216X7R1E225K	2.2	25	10%	1.6				2000	
810	C3216X7R1E225M	2.2	25	20%	1.6				2000	
810	C3216X7R1C335K	3.3	16	10%	0.85				2000	
810	C3216X7R1C335M	3.3	16	20%	0.85				2000	
810	C3216X7R1E335K	3.3	25	10%	1.6				2000	
810	C3216X7R1E335M	3.3	25	20%	1.6				2000	
810	C3216X7R1H335K	3.3	50	10%	1.6				2000	
810	C3216X7R1H335M	3.3	50	20%	1.6				2000	
810	C3216X7R1C475K	4.7	16	10%	1.6				2000	
810	C3216X7R1C475M	4.7	16	20%	1.6				2000	
810	C3216X7R1E475M	4.7	25	20%	1.6				2000	
810	C3216X7R1H475K	4.7	50	10%	1.6				2000	
810	C3216X7R1H475M	4.7	50	20%	1.6				2000	
810	C3216X7R1C685K	6.8	16	10%	1.6				2000	
810	C3216X7R1C685M	6.8	16	20%	1.6				2000	
810	C3216X7R1A106K	10	10	10%	1.15				2000	
810	C3216X7R1A106M	10	10	20%	1.15				2000	
810	C3216X7R1V106M	10	35	20%	1.6				2000	
Temperature Coef: X7S										
810	C3216X7S0J226M	22	6.3	20%	1.6				2000	
810	C3216X7S1A226M	22	10	20%	1.6				2000	
810	C3216X7S0G476M	47	4	20%	1.6				2000	
810	C3216X7S0J476M	47	6.3	20%	1.6				2000	
Temperature Coef: Y5V										
810	C3216Y5V1H225Z-2	2.2	50	+80,-20%	0.85				4000	
810	C3216Y5V1C475Z	4.7	16	+80,-20%	0.85				2000	
810	C3216Y5V1C475Z-2	4.7	16	+80,-20%	0.85				4000	
810	C3216Y5V1C475Z-3	4.7	16	+80,-20%	1.15				2000	
810	C3216Y5V1C475Z-4	4.7	16	+80,-20%	1.3				2000	
810	C3216Y5V1E475Z-2	4.7	25	+80,-20%	0.85				4000	
810	C3216Y5V1E475Z-3	4.7	25	+80,-20%	1.15				2000	
810	C3216Y5V1H475Z	4.7								

TDK High Capacitance Ceramic Chip Capacitors



NEW AT MOUSER

Ceramic Caps, SMD

TDK

NEW AT MOUSER

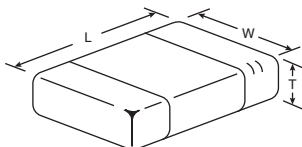
NEW AT MOUSER

RoHS Compliant This product is RoHS compliant.

C SERIES CAPACITORS (CONT.)

Features:

- High capacitance has been achieved through precision technologies
- Monolithic structure ensures superior mechanical strength and reliability
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances.
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes.



EIA Code	EIAJ Code	Dim. (mm)	
		L	W
1210	3225	3.2	2.5
1812	4532	4.5	3.2
2220	5750	5.7	5.0

Style 1210 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X5R (Cont.)										
810	C3225X5R1A156M	15	10	20%	2.3				1000	
810	C3225X5R0J226K	22	6.3	10%	1.6				1000	
810	C3225X5R0J226K-6	22	6.3	10%	1.6				1000	
810	C3225X5R0J226M	22	6.3	20%	2				1000	
810	C3225X5R0J226M-6	22	6.3	20%	1.6				1000	
810	C3225X5R1A226M	22	10	20%	2.3				1000	
810	C3225X5R1C226M	22	16	20%	2.5				1000	
810	C3225X5R0J476M	47	6.3	20%	2.5				1000	
810	C3225X5R1A476M	47	10	20%	2.5				2000	
810	C3225X5R0J107M	100	6.3	20%	2.5				1000	
Temperature Coef: X6S										
810	C3225X6S0J476M	47	6.3	20%	2.5				1000	
810	C3225X6S0G107M	100	4	20%	2.5				1000	
810	C3225X6S0J107M	100	6.3	20%	2.5				1000	
Temperature Coef: X7R										
810	C3225X7R2E104M	0.1	250	20%	2				1000	
810	C3225X7R2E154K	0.15	250	10%	2				1000	
810	C3225X7R2E154M	0.15	250	20%	2				1000	
810	C3225X7R2E224M	0.22	250	20%	2				1000	
810	C3225X7R2A334K	0.33	100	10%	2				1000	
810	C3225X7R2A334M	0.33	100	20%	2				1000	
810	C3225X7R2A474M	0.47	100	20%	2				1000	
810	C3225X7R2A684K	0.68	100	10%	2				1000	
810	C3225X7R2A684M	0.68	100	20%	2				2000	
810	C3225X7R1H105K	1	50	10%	1.6				1000	
810	C3225X7R1H105K-5	1	50	10%	1.6				2000	
810	C3225X7R1H105M	1	50	20%	1.6				1000	
810	C3225X7R1H105M-5	1	50	20%	1.6				2000	
810	C3225X7R2A105M	1	100	20%	2				1000	
810	C3225X7R1H155M	1.5	50	20%	2				1000	
810	C3225X7R1E225M	2.2	25	20%	1.6				1000	
810	C3225X7R1H225K	2.2	50	10%	2.5				1000	
810	C3225X7R2A225K	2.2	100	10%	2.3				1000	
810	C3225X7R1H335M	3.3	50	20%	2.5				1000	
810	C3225X7R1E475K	4.7	25	10%	2				1000	
810	C3225X7R1E475M	4.7	25	20%	2				1000	
810	C3225X7R1E685M	6.8	25	20%	2				1000	
810	C3225X7R1C106M	10	16	20%	2				1000	
810	C3225X7R1E106M	10	25	20%	2.5				1000	
Temperature Coef: X7S										
810	C3225X7S2A335M	3.3	100	20%	2				1000	
810	C3225X7S2A475K	4.7	10	10%	2				1000	
810	C3225X7S2A475M	4.7	10	20%	2				1000	
810	C3225X7S1H685K	6.8	50	10%	2.5				1000	
810	C3225X7S1H685M	6.8	50	20%	2.5				1000	
Temperature Coef: Y5V										
810	C3225Y5V1H475Z	4.7	50	+80,-20%	1.15				2000	
810	C3225Y5V1C106Z	10	16	+80,-20%	1.25				2000	
810	C3225Y5V1E106Z	10	25	+80,-20%	1.6				2000	
810	C3225Y5V1A226Z	22	10	+80,-20%	1.15				1000	
810	C3225Y5V1A476Z	47	10	+80,-20%	2				1000	
810	C3225Y5V0J107Z	100	6.3	+80,-20%	2.5				1000	

Style 1812

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X5R										
810	C4532X5R1E106K	10	25	10%	2.5				500	
810	C4532X5R1E106M	10	25	20%	2.5				500	
810	C4532X5R1E156M	15	25	20%	2.5				500	
810	C4532X5R1A226M	22	10	20%	2				500	
810	C4532X5R1C226M	22	16	20%	2				500	
810	C4532X5R1E226M	22	25	20%	2.5				500	
810	C4532X5R1A336M	33	10	20%	2				500	
810	C4532X5R1C336M	33	16	20%	2.5				500	
810	C4532X5R1A476M	47	10	20%	2.8				500	
810	C4532X5R0J686M	68	6.3	20%	1.6				500	
810	C4532X5R0J107M	100	6.3	20%	2.8				500	

Style 1812 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X7R										
810	C4532X7R2J104M	0.1	630	20%	2.3				500	
810	C4532X7R2E154M	0.15	250	20%	1.6				1000	
810	C4532X7R2E224M	0.22	250	20%	2.3				500	
810	C4532X7R2E334K	0.33	250	10%	2.3				500	
810	C4532X7R2E334M	0.33	250	20%	2.3				500	
810	C4532X7R2E474K	0.47	250	10%	2.3				500	
810	C4532X7R2E474M	0.47	250	20%	2.3				500	
810	C4532X7R2A684K	0.68	100	10%	2.3				1000	
810	C4532X7R2A684M	0.68	100	20%	2.3				500	
810	C4532X7R1H105M	1	50	20%	2.3				1000	
810	C4532X7R2A105K	1	100	10%	2.3				500	
810	C4532X7R2A105M	1	100	20%	2.3				500	
810	C4532X7R1H225K	2	50	10%	1.6				1000	
810	C4532X7R2A155K	2	100	10%	2.1				500	
810	C4532X7R2A155M	2	100	20%	2.3				500	
810	C4532X7R2A225K	2	100	10%	2.3				500	
810	C4532X7R1H225M	2.2	50	20%	1.6				1000	
810	C4532X7R2A225M	2.2	100	20%	2.3				500	
810	C4532X7R1E475M	4.7	25	20%	1.6				1000	
810	C4532X7R1H475M	4.7	50	20%	2				1000	
810	C4532X7R1H685M	6.8	50	20%	2.5				500	
810	C4532X7R1C106K	10	16	10%	2.5				500	
810	C4532X7R1E106M	10	25	20%	2.5				500	
810	C4532X7R1E156M	15	25	20%	2.5				500	
810	C4532X7R1C226M	22	16	20%	2.5				500	
810	C4532X7R1C336M	33	16	20%	2.5				500	
Temperature Coef: X7S										
810	C4532X7S3A103K	1	1000	10%	1.6				1000	
810	C4532X7S2A475M	4.7	100	20%	2.3				500	
Temperature Coef: Y5V										
810	C4532Y5V1C476Z	47	16	+80,-20%	2.5				500	
810	C4532Y5V1A107Z	100	10	+80,-20%	2.5				500	

Style 2220

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X5R										
810	C5750X5R1H106K	10	50	10%	2.3				500	
810	C5750X5R1C336M	33	16	20%	2				500	
810	C5750X5R1C476M	47	16	20%	2.3				500	
810	C5750X5R1A686M	68	10	20%	2.3				500	
810	C5750X5R0J107M	100	6.3	20%	2.8				500	
Temperature Coef: X7R										
810	C5750X7R2J154M	0.15	630	20%	1.6				1000	
810	C5750X7R2J224M	0.22	630	20%	2.3				500	
810	C5750X7R2E334K	0.33	250	10%	1.6				1000	
810	C5750X7R2E334M	0.33	250	20%	1.6				1000	
810	C5750X7R2E474M	0.47	250	20%	2.3				500	
810	C5750X7R2E684K	0.68	250	10%	2.3				500	
810	C5750X7R2E684M	0.68	250	20%	2.3				500	
810	C5750X7R2A105M	1	100	20%						

TDK Ceramic Chip Capacitors

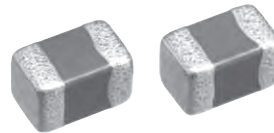
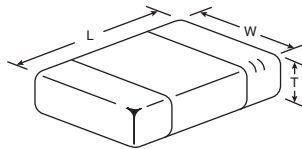
RoHS Compliant This product is RoHS compliant.



C SERIES CAPACITORS

Features:

- High capacitance has been achieved through precision technologies
- Monolithic structure ensures superior mechanical strength and reliability
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances.
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes.



EIA Code	EIAJ Code	Dim. (mm)	
		L	W
0402	1005	1.0	.05

Style 0402

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: C0G										
810	C1005C0G1H0R5B	0.5	50	0.10pF	0.5				10000	
810	C1005C0G1H0R5C	0.5	50	0.25pF	0.5				10000	
810	C1005C0G1HR75C	0.75	50	0.25pF	0.5				10000	
810	C1005C0G1H010B	1	50	0.10pF	0.5				10000	
810	C1005C0G1H010C	1	50	0.25pF	0.5				10000	
810	C1005C0G1H1R2B	1.2	50	0.10pF	0.5				10000	
810	C1005C0G1H1R2C	1.2	50	0.25pF	0.5				10000	
810	C1005C0G1H1R5B	1.5	50	0.10pF	0.5				10000	
810	C1005C0G1H1R5C	1.5	50	0.25pF	0.5				10000	
810	C1005C0G1H1R8B	1.8	50	0.10pF	0.5				10000	
810	C1005C0G1H1R8C	1.8	50	0.25pF	0.5				10000	
810	C1005C0G1H020B	2	50	0.10pF	0.5				10000	
810	C1005C0G1H020C	2	50	0.25pF	0.5				10000	
810	C1005C0G1H2R2B	2.2	50	0.10pF	0.5				10000	
810	C1005C0G1H2R2C	2.2	50	0.25pF	0.5				10000	
810	C1005C0G1H2R5C	2.5	50	0.25pF	0.5				10000	
810	C1005C0G1H2R7B	2.7	50	0.10pF	0.5				10000	
810	C1005C0G1H2R7C	2.7	50	0.25pF	0.5				10000	
810	C1005C0G1H030B	3	50	0.10pF	0.5				10000	
810	C1005C0G1H030C	3	50	0.25pF	0.5				10000	
810	C1005C0G1H3R3B	3.3	50	0.10pF	0.5				10000	
810	C1005C0G1H3R3C	3.3	50	0.25pF	0.5				10000	
810	C1005C0G1H3R5C	3.5	50	0.25pF	0.5				10000	
810	C1005C0G1H3R9B	3.9	50	0.10pF	0.5				10000	
810	C1005C0G1H3R9C	3.9	50	0.25pF	0.5				10000	
810	C1005C0G1H040B	4	50	0.10pF	0.5				10000	
810	C1005C0G1H040C	4	50	0.25pF	0.5				10000	
810	C1005C0G1H4R7B	4.7	50	0.10pF	0.5				10000	
810	C1005C0G1H4R7C	4.7	50	0.25pF	0.5				10000	
810	C1005C0G1H050B	5	50	0.10pF	0.5				10000	
810	C1005C0G1H050C	5	50	0.25pF	0.5				10000	
810	C1005C0G1H5R6C	5.6	50	0.25pF	0.5				10000	
810	C1005C0G1H060C	6	50	0.25pF	0.5				10000	
810	C1005C0G1H060D	6	50	0.5pF	0.5				10000	
810	C1005C0G1H6R8C	6.8	50	0.25pF	0.5				10000	
810	C1005C0G1H6R8D	6.8	50	0.5pF	0.5				10000	
810	C1005C0G1H070C	7	50	0.25pF	0.5				10000	
810	C1005C0G1H070D	7	50	0.5pF	0.5				10000	
810	C1005C0G1H080C	8	50	0.25pF	0.5				10000	
810	C1005C0G1H080D	8	50	0.5pF	0.5				10000	
810	C1005C0G1H8R2C	8.2	50	0.25pF	0.5				10000	
810	C1005C0G1H8R2D	8.2	50	0.5pF	0.5				10000	
810	C1005C0G1H090C	9	50	0.25pF	0.5				10000	
810	C1005C0G1H090D	9	50	0.5pF	0.5				10000	
810	C1005C0G1H100C	10	50	0.25pF	0.5				10000	
810	C1005C0G1H100D	10	50	0.5pF	0.5				10000	
810	C1005C0G1H110J	11	50	5%	0.5				10000	
810	C1005C0G1H130J	13	50	5%	0.5				10000	
810	C1005C0G1H150J	15	50	5%	0.5				10000	
810	C1005C0G1H160J	16	50	5%	0.5				10000	
810	C1005C0G1H180J	18	50	5%	0.5				10000	
810	C1005C0G1H200J	20	50	5%	0.5				10000	
810	C1005C0G1H220F	22	50	1%	0.5				10000	
810	C1005C0G1H220G	22	50	2%	0.5				10000	
810	C1005C0G1H220J	22	50	5%	0.5				10000	
810	C1005C0G1H240J	24	50	5%	0.5				10000	
810	C1005C0G1H270J	27	50	5%	0.5				10000	
810	C1005C0G1H300J	30	50	5%	0.5				10000	
810	C1005C0G1H330J	33	50	5%	0.5				10000	
810	C1005C0G1H360J	36	50	5%	0.5				10000	
810	C1005C0G1H430J	43	50	5%	0.5				10000	
810	C1005C0G1H470F	47	50	1%	0.5				10000	
810	C1005C0G1H470G	47	50	2%	0.5				10000	
810	C1005C0G1H470J	47	50	5%	0.5				10000	
810	C1005C0G1H510J	51	50	5%	0.5				10000	
810	C1005C0G1H620J	62	50	5%	0.5				10000	
810	C1005C0G1H680J	68	50	5%	0.5				10000	
810	C1005C0G1H750J	75	50	5%	0.5				10000	
810	C1005C0G1H820J	82	50	5%	0.5				10000	
810	C1005C0G1H910J	91	50	5%	0.5				10000	
810	C1005C0G1H101F	100	50	1%	0.5				10000	
810	C1005C0G1H101G	100	50	2%	0.5				10000	
810	C1005C0G1H101J	100	50	5%	0.5				10000	
810	C1005C0G1H121J	120	50	5%	0.5				10000	
810	C1005C0G1H151J	150	50	5%	0.5				10000	
810	C1005C0G1H181J	180	50	5%	0.5				10000	

Style 0402 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: C0G (Cont.)										
810	C1005C0G1H221J	220	50	5%	0.5				10000	
810	C1005C0G1H271J	270	50	5%	0.5				10000	
810	C1005C0G1H331J	330	50	5%	0.5				10000	
810	C1005C0G1E681J	680	25	5%	0.5				10000	
810	C1005C0G1E821J	820	25	5%	0.5				10000	
Temperature Coef: X5R										
810	C1005X5R1C473M	.047µF	16	20%	0.5				10000	
810	C1005X5R1E473M	.047µF	25	20%	0.5				10000	
810	C1005X5R1A473K	.047µF	10	10%	0.5				10000	
810	C1005X5R1C473K	.047µF	16	10%	0.5				10000	
810	C1005X5R1A683K	.068µF	10	10%	0.5				10000	
810	C1005X5R1C683K	.068µF	16	10%	0.5				10000	
810	C1005X5R1E683K	.068µF	25	10%	0.5				10000	
810	C1005X5R1C683M	.068µF	16	20%	0.5				10000	
810	C1005X5R1E683M	.068µF	25	20%	0.5				10000	
Temperature Coef: X7R										
810	C1005X7R1H221K	220	50	10%	0.5				10000	
810	C1005X7R1H221M	220	50	20%	0.5				10000	
810	C1005X7R1H331K	330	50	10%	0.5				10000	
810	C1005X7R1H331M	330	50	20%	0.5				10000	
810	C1005X7R1H471M	470	50	20%	0.5				10000	
810	C1005X7R1H681K	680	50	10%	0.5				10000	
810	C1005X7R1H681M	680	50	20%	0.5				10000	
810	C1005X7R1E102K	1000	25	10%	0.5				10000	
810	C1005X7R1E102M	1000	25	20%	0.5				10000	
810	C1005X7R1H102K	1000	50	10%	0.5				10000	
810	C1005X7R1H102M	1000	50	20%	0.5				10000	
810	C1005X7R1E152K	1500	25	10%	0.5				10000	
810	C1005X7R1E152M	1500	25	20%	0.5				10000	
810	C1005X7R1H152K	1500	50	10%	0.5				10000	
810	C1005X7R1H152M	1500	50	20%	0.5				10000	
810	C1005X7R1E222K	2200	25	10%	0.5				10000	
810	C1005X7R1E222M	2200	25	20%	0.5				10000	
810	C1005X7R1H222K	2200	50	10%	0.5				10000	
810	C1005X7R1H222M	2200	50	20%	0.5				10000	
810	C1005X7R1E332K	3300	25	10%	0.5				10000	
810	C1005X7R1E332M	3300	25	20%	0.5				10000	
810	C1005X7R1H332K	3300	50	10%	0.5				10000	
810	C1005X7R1H332M	3300	50	20%	0.5				10000	
810	C1005X7R1E472M	4700	25	20%	0.5				10000	
810	C1005X7R1H472M	4700	50	20%	0.5				10000	
810	C1005X7R1E682K	6800	25	10%	0.5				10000	
810	C1005X7R1E682M	6800	25	20%	0.5				10000	
810	C1005X7R1H682K	6800	50	10%	0.5				10000	
810	C1005X7R1H682M	6800	50	20%	0.5				10000	
810	C1005X7R1C103K	.01µF	16	10%	0.5				10000	
810	C1005X7R1E103K	.01µF	25	10%	0.5				10000	
810	C1005X7R1C103M	.01µF	16	20%	0.5				10000	
810	C1005X7R1E103M	.01µF	25	20%	0.5				10000	
810	C1005X7R1C153K	.015µF	16							

TDK Ceramic Chip Capacitors



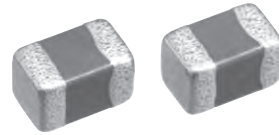
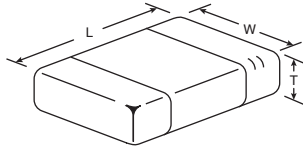
NEW AT MOUSER

C SERIES CAPACITORS (CONT.)

Features:

- High capacitance has been achieved through precision technologies
- Monolithic structure ensures superior mechanical strength and reliability
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- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes.

This product is RoHS compliant.



EIA Code	EIAJ Code	Dim. (mm)	
		L	W
0402	1005	1.0	.05
0508	1220	1.25	2.0
0603	1608	1.6	0.8
0612	1632	1.6	3.2

Style 0402 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X7S (Cont.)										
810	C1005X7S2A472K	4700	10	10%	0.5				10000	
810	C1005X7S2A682K	6800	10	10%	0.5				10000	
810	C1005X7S2A103M	.01µF	100	20%	0.5				10000	
Temperature Coef: X8R										
810	C1005X8R1H471K	470	50	10%	0.5				10000	
810	C1005X8R1H222K	2200	50	10%	0.5				10000	
Temperature Coef: Y5V										
810	C1005Y5V1H103Z	.01µF	50	+80,-20%	0.5				10000	

Style 0508

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X7R										
810	C1220X7R1H223K	.022µF	50	10%	0.85				4000	

Style 0603

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: SL										
810	C1608SL1A153J	.015µF	10	5%	0.8				4000	
810	C1608SL1A223J	.022µF	10	5%	0.8				4000	
Temperature Coef: COG										
810	C1608C0G1H0R5B	0.5	50	0.10pF	0.8				4000	
810	C1608C0G1H1R2B	1.2	50	0.10pF	0.8				4000	
810	C1608C0G1H1R5C	1.5	50	0.25pF	0.8				4000	
810	C1608C0G1H020C	2	50	0.25pF	0.8				4000	
810	C1608C0G1H2R2C	2.2	50	0.25pF	0.8				4000	
810	C1608C0G1H2R7C	2.7	50	0.25pF	0.8				4000	
810	C1608C0G1H030B	3	50	0.10pF	0.8				4000	
810	C1608C0G1H030C	3	50	0.25pF	0.8				4000	
810	C1608C0G1H3R3B	3.3	50	0.10pF	0.8				4000	
810	C1608C0G1H040B	4	50	0.10pF	0.8				4000	
810	C1608C0G1H040C	4	50	0.25pF	0.8				4000	
810	C1608C0G1H4R7B	4.7	50	0.10pF	0.8				4000	
810	C1608C0G1H050B	5	50	0.10pF	0.8				4000	
810	C1608C0G1H050C	5	50	0.25pF	0.8				4000	
810	C1608C0G1H5R6D	5.6	50	0.5pF	0.8				4000	
810	C1608C0G1H6R8D	6.8	50	0.5pF	0.8				4000	
810	C1608C0G1H070C	7	50	0.25pF	0.8				4000	
810	C1608C0G1H080D	8	50	0.5pF	0.8				4000	
810	C1608C0G1H090C	9	50	0.25pF	0.8				4000	
810	C1608C0G1H100D	10	50	0.5pF	0.8				4000	
810	C1608C0G1H120J	12	50	5% 0.8	0.8				4000	
810	C1608C0G1H130J	13	50	5% 0.8	0.8				4000	
810	C1608C0G1H150J	15	50	5% 0.8	0.8				4000	
810	C1608C0G1H180J	18	50	5% 0.8	0.8				4000	
810	C1608C0G1H220F	22	50	1% 0.8	0.8				4000	
810	C1608C0G1H220G	22	50	2% 0.8	0.8				4000	
810	C1608C0G1H220J	22	50	5% 0.8	0.8				4000	
810	C1608C0G1H240J	24	50	5% 0.8	0.8				4000	
810	C1608C0G1H270J	27	50	5% 0.8	0.8				4000	
810	C1608C0G1H300J	30	50	5% 0.8	0.8				4000	
810	C1608C0G1H330J	33	50	5% 0.8	0.8				4000	
810	C1608C0G1H390J	39	50	5% 0.8	0.8				4000	
810	C1608C0G1H470F	47	50	1% 0.8	0.8				4000	
810	C1608C0G1H470G	47	50	2% 0.8	0.8				4000	
810	C1608C0G1H470J	47	50	5% 0.8	0.8				4000	
810	C1608C0G1H510J	51	50	5% 0.8	0.8				4000	
810	C1608C0G1H560J	56	50	5% 0.8	0.8				4000	
810	C1608C0G1H620J	62	50	5% 0.8	0.8				4000	
810	C1608C0G1H680J	68	50	5% 0.8	0.8				4000	
810	C1608C0G1H820J	82	50	5% 0.8	0.8				4000	
810	C1608C0G1H910J	91	50	5% 0.8	0.8				4000	
810	C1608C0G1H101F	100	50	1% 0.8	0.8				4000	
810	C1608C0G1H101G	100	50	2% 0.8	0.8				4000	
810	C1608C0G1H101J	100	50	5% 0.8	0.8				4000	
810	C1608C0G2A101F	100	100	1% 0.8	0.8				4000	
810	C1608C0G2A101G	100	100	2% 0.8	0.8				4000	
810	C1608C0G1H151J	150	50	5% 0.8	0.8				4000	
810	C1608C0G1H221F	220	50	1% 0.8	0.8				4000	
810	C1608C0G1H221G	220	50	2% 0.8	0.8				4000	
810	C1608C0G1H221J	220	50	5% 0.8	0.8				4000	
810	C1608C0G1H271J	270	50	5% 0.8	0.8				4000	
810	C1608C0G1H331J	330	50	5% 0.8	0.8				4000	

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Style 0603 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X7R (Cont.)										
810	C1608C0G2A331J	330	100	5%	0.8				4000	
810	C1608C0G1H471F	470	50	1%	0.8				4000	
810	C1608C0G1H471G	470	50	2%	0.8				4000	
810	C1608C0G1H471H	470	50	5%	0.8				4000	
810	C1608C0G1H511J	510	50	5%	0.8				4000	
810	C1608C0G1H681J	680	50	5%	0.8				4000	
810	C1608C0G1H821J	820	50	5%	0.8				4000	
810	C1608C0G1H911J	910	50	5%	0.8				4000	
810	C1608C0G1H102F	1000	50	1%	0.8				4000	
810	C1608C0G1H102G	1000	50	2%	0.8				4000	
810	C1608C0G1H102J	1000	50	5%	0.8				4000	
810	C1608C0G2A102F	1000	100	1%	0.8				4000	
810	C1608C0G2A102G	1000	100	2%	0.8				4000	
810	C1608C0G1H122J	1200	50	5%	0.8				4000	
810	C1608C0G1H152J	1500	50	5%	0.8				4000	
810	C1608C0G1H182J	1800	50	5%	0.8				4000	
810	C1608C0G1H222J	2200	50	5%	0.8				4000	
810	C1608X7R1H221K	220	50	10%	0.8				4000	
810	C1608X7R1H221M	220	50	20%	0.8				4000	
810	C1608X7R1H471K	470	50	10%	0.8				4000	
810	C1608X7R1H681K	680	50	10%	0.8				4000	
810	C1608X7R1H681M	680	50	20%	0.8				4000	
810	C1608X7R1H102K	1000	50	10%	0.8				4000	
810	C1608X7R1H102M	1000	50	20%	0.8				4000	
810	C1608X7R2A102K	1000	100	10%	0.8				4000	
810	C1608X7R1H152K	1500	50	10%	0.8				4000	
810	C1608X7R1H152M	1500	50	20%	0.8				4000	
810	C1608X7R1H222K	2200	50	10%	0.8				4000	
810	C1608X7R1H222M	2200	50	20%	0.8				4000	
810	C1608X7R1H332M	3300	50	20%	0.8				4000	
810	C1608X7R2A332K	3300	100	10%	0.8				4000	
810	C1608X7R2A332M	3300	100	20%	0.8				4000	
810	C1608X7R1H472K	4700	50	10%	0.8				4000	
810	C1608X7R2A472K	4700	100	10%	0.8				4000	
810	C1608X7R2A472M	4700	100	20%	0.8				4000	
810	C1608X7R2A682K	6800	100	10%	0.8				4000	
810	C1608X7R2A682M	6800	100	20%	0.8				4000	
810	C1608X7R1E103J	.01µF	25	5%	0.8				4000	
810	C1608X7R1E103K	.01µF	25	10%	0.8				4000	
810	C1608X7R1E103M	.01µF	25	20%	0.8					

TDK Ceramic Chip Capacitors



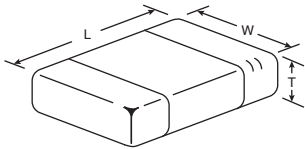
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C SERIES CAPACITORS (CONT.)

Features:

- High capacitance has been achieved through precision technologies
- Monolithic structure ensures superior mechanical strength and reliability
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances.
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes.



EIA Code	EIAJ Code	Dim. (mm)	
		L	W
0805	2012	2.0	1.25
1206	3216	3.2	1.6
1210	3225	3.2	2.5
1808	4520	4.5	2.0
1812	4532	4.5	3.2
2220	5750	5.7	5.0

Style 0805

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: SL										
810	C2012SL1A333J	.033µF	10	5%	0.6				4000	
810	C2012SL1A473J	.047µF	10	5%	0.85				4000	
Temperature Coef: C0G										
810	C2012C0G1H101J	100	50	5%	0.6				4000	
810	C2012C0G1H221J	220	50	5%	0.6				4000	
810	C2012C0G1H331J	330	50	5%	1.25				4000	
810	C2012C0G1H102J	1000	50	5%	0.6				4000	
810	C2012C0G2A102J	1000	100	5%	0.6				4000	
810	C2012C0G1H152J	1500	50	5%	0.6				4000	
810	C2012C0G2E152J	1500	250	5%	0.85				4000	
810	C2012C0G1H222J	2200	50	5%	0.6				4000	
810	C2012C0G1H332J	3300	50	5%	0.6				4000	
810	C2012C0G1H472J	4700	50	5%	0.85				4000	
810	C2012C0G1E682J	6800	25	5%	1.25				4000	
810	C2012C0G1H682J	6800	50	5%	1.25				2000	
810	C2012C0G1H103J	.01µF	50	5%	1.25				2000	
810	C2012C0G1E153J	.015µF	25	5%	0.85				4000	
Temperature Coef: X7R										
810	C2012X7R1H102K	1000	50	10%	0.6				4000	
810	C2012X7R2A102K	1000	100	10%	0.85				4000	
810	C2012X7R2A102M	1000	100	20%	0.85				4000	
810	C2012X7R2E102M	1000	250	20%	0.85				4000	
810	C2012X7R2A152K	1500	100	10%	0.85				4000	
810	C2012X7R2A152M	1500	100	20%	0.85				4000	
810	C2012X7R2E152K	1500	250	10%	0.85				4000	
810	C2012X7R2E152M	1500	250	20%	0.85				4000	
810	C2012X7R2A222K	2200	100	10%	0.85				4000	
810	C2012X7R2A222M	2200	100	20%	0.85				4000	
810	C2012X7R2E222K	2200	250	10%	0.85				4000	
810	C2012X7R2E222M	2200	250	20%	0.85				4000	
810	C2012X7R2A332K	3300	100	10%	0.85				4000	
810	C2012X7R2A332M	3300	100	20%	0.85				4000	
810	C2012X7R2E332K	3300	250	10%	0.85				4000	
810	C2012X7R2E332M	3300	250	20%	0.85				4000	
810	C2012X7R2A472K	4700	100	10%	0.85				4000	
810	C2012X7R2E472K	4700	250	10%	0.85				4000	
810	C2012X7R2E472M	4700	250	20%	0.85				4000	
810	C2012X7R2A682K	6800	100	10%	0.85				4000	
810	C2012X7R2A682M	6800	100	20%	0.85				4000	
810	C2012X7R2E682K	6800	250	10%	0.85				2000	
810	C2012X7R2E682M	6800	250	20%	0.85				2000	
810	C2012X7R1H103K	.01µF	50	10%	0.6				4000	
810	C2012X7R2A103K	.01µF	100	10%	0.85				4000	
810	C2012X7R2A103M	.01µF	100	20%	0.85				4000	
810	C2012X7R2E103M	.01µF	250	20%	1.25				2000	
810	C2012X7R2A153K	.015µF	100	10%	1.25				2000	
810	C2012X7R2A153M	.015µF	100	20%	1.25				2000	
810	C2012X7R2E153K	.015µF	250	10%	1.25				2000	
810	C2012X7R2E153M	.015µF	250	20%	1.25				2000	
810	C2012X7R2A223K	.022µF	100	10%	1.25				2000	
810	C2012X7R2A223M	.022µF	100	20%	1.25				2000	
810	C2012X7R2E223M	.022µF	250	20%	1.25				2000	
810	C2012X7R2A333K	.033µF	100	10%	1.25				2000	
810	C2012X7R2A333M	.033µF	100	20%	1.25				2000	
810	C2012X7R2A473M	.047µF	100	20%	1.25				2000	
810	C2012X7R2A683K	.068µF	100	10%	0.85				2000	
810	C2012X7R2A683M	.068µF	100	20%	0.85				4000	

Style 1206

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: C0G										
810	C3216C0G2J681J	680	630	5%	0.85				4000	
810	C3216C0G2J152J	1500	630	5%	1.15				2000	
810	C3216C0G1H392J	3900	50	5%	0.6				4000	
810	C3216C0G1H472J	4700	50	5%	0.6				4000	
810	C3216C0G1H562J	5600	50	5%	0.6				4000	
810	C3216C0G1H682J	6800	50	5%	0.6				4000	
810	C3216C0G2E682J	6800	250	5%	1.6				2000	
810	C3216C0G1H822J	8200	50	5%	0.6				4000	
810	C3216C0G1H103J	.01µF	50	5%	0.85				2000	
810	C3216C0G1H223J	.022µF	50	5%	1.15				2000	
810	C3216C0G1E473J	.047µF	250	5%	0.85				2000	
Temperature Coef: X7R										
810	C3216X7R2J102M	1000	630	20%	1.6				2000	
810	C3216X7R2J152K	1500	630	10%	1.6				2000	
810	C3216X7R2J152M	1500	630	20%	1.6				2000	

Style 1206 (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X7R (Cont.)										
810	C3216X7R2J222M	2200	630	20%	1.6				2000	
810	C3216X7R2J332K	3300	630	10%	1.6				2000	
810	C3216X7R2J332M	3300	630	20%	1.6				2000	
810	C3216X7R2J472M	4700	630	20%	1.6				2000	
810	C3216X7R2J682K	6800	630	10%	1.6				2000	
810	C3216X7R2J682M	6800	630	20%	1.6				2000	
810	C3216X7R2J103M	.01µF	630	20%	1.15				2000	
810	C3216X7R2E153K	.015µF	250	10%	1.15				2000	
810	C3216X7R2E153M	.015µF	250	20%	1.15				2000	
810	C3216X7R2J153K	.015µF	630	10%	1.30				2000	
810	C3216X7R2J153M	.015µF	630	20%	1.30				2000	
810	C3216X7R2E223M	.022µF	250	20%	1.15				2000	
810	C3216X7R2J223M	.022µF	630	20%	1.30				2000	
810	C3216X7R2A333K	.033µF	100	10%	1.15				2000	
810	C3216X7R2A333M	.033µF	100	20%	1.15				2000	
810	C3216X7R2E333M	.033µF	250	20%	1.6				2000	
810	C3216X7R2J333M	.033µF	630	20%	1.6				2000	
810	C3216X7R2A683K	.068µF	100	10%	1.6				2000	
810	C3216X7R2A683M	.068µF	100	20%	1.6				2000	
810	C3216X7R2E683K	.068µF	250	10%	1.6				2000	
810	C3216X7R2E683M	.068µF	250	20%	1.6				2000	
Temperature Coef: X7S										
810	C3216X7S3D101K	100	2000	10%	0.85				4000	
810	C3216X7S3D221K	220	2000	10%	0.85				4000	
810	C3216X7S3D471K	470	2000	10%	1.3				2000	
810	C3216X7S3A102K	1000	1000	10%	0.85				4000	
810	C3216X7S3A222K	2200	1000	10%	1.3				2000	

Style 1210

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Temperature Coef: X7R										
810	C3225X7R2J473K	.047µF	630	10%	2				1000	
810	C3225X7R2J473M	.047µF	630	20%	2				1000	
810	C3225X7R2J683K	.068µF	630	10%	2				1000	
810	C3225X7R2J683M	.068								

TDK Ceramic Chip Capacitors



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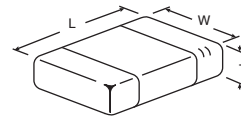
C SERIES OPEN MODE CAPACITORS

Features:

- Increase resistance to mechanical bending, temperature cycle, vibration, and electrical stresses
- Wider distance between the end of the opposite electrode and the termination
- Reduces the risk of short circuit failures
- X7R and X8R temperature ranges

Applications:

- Automotive and other high stress applications
- Battery line circuit with high board flex stress



EIA Code	EIAJ Code	Dim. L	(mm) W
0805	2012	2.0	1.25
1206	3216	3.2	1.6
1210	3225	3.2	2.5
1812	4532	4.5	3.2
2220	5750	5.7	5.0

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Temp. Coef	Tol.±	Dim. T (mm)	Price Each				Reel Qty.	Price Per Piece
							1	50	100	500		
Style 0805												
810-C2012X7R2A102KT5	C2012X7R2A102KT5	1000pF	100	X7R	10%	0.85					4000	
810-C2012X7R2E102KT5	C2012X7R2E102KT5	1000pF	250	X7R	10%	0.85					4000	
810-C2012X7R2A152KT5	C2012X7R2A152KT5	1500pF	100	X7R	10%	0.85					4000	
810-C2012X7R2E152KT5	C2012X7R2E152KT5	1500pF	250	X7R	10%	0.85					4000	
810-C2012X7R2A222KT5	C2012X7R2A222KT5	2200pF	100	X7R	10%	0.85					4000	
810-C2012X7R2E222KT5	C2012X7R2E222KT5	2200pF	250	X7R	10%	0.85					4000	
810-C2012X7R2A332KT5	C2012X7R2A332KT5	3300pF	100	X7R	10%	0.85					4000	
810-C2012X7R2E332KT5	C2012X7R2E332KT5	3300pF	250	X7R	10%	0.85					4000	
810-C2012X7R2A472KT5	C2012X7R2A472KT5	4700pF	100	X7R	10%	0.85					4000	
810-C2012X7R2E472KT5	C2012X7R2E472KT5	4700pF	250	X7R	10%	0.85					4000	
810-C2012X7R2A682KT5	C2012X7R2A682KT5	6800pF	100	X7R	10%	0.85					4000	
810-C2012X7R2E682KT5	C2012X7R2E682KT5	6800pF	250	X7R	10%	1.25					2000	
810-C2012X7R2A103KT5	C2012X7R2A103KT5	.01	100	X7R	10%	0.85					4000	
810-C2012X7R2E103KT5	C2012X7R2E103KT5	.01	250	X7R	10%	1.25					2000	
810-C2012X7R2A153KT5	C2012X7R2A153KT5	.015	100	X7R	10%	0.85					2000	
810-C2012X7R2E153KT5	C2012X7R2E153KT5	.015	250	X7R	10%	1.25					2000	
810-C2012X7R2A223KT5	C2012X7R2A223KT5	.022	100	X7R	10%	0.85					2000	
810-C2012X8R1H223KT5	C2012X8R1H223KT5	.022	50	X8R	10%	0.85					4000	
810-C2012X8R1H333KT5	C2012X8R1H333KT5	.033	50	X8R	10%	0.85					4000	
810-C2012X8R1H473KT5	C2012X8R1H473KT5	.047	50	X8R	10%	1.25					2000	
810-C2012X8R1H683KT5	C2012X8R1H683KT5	.068	50	X8R	10%	1.25					2000	
810-C2012X7R1H104KT5	C2012X7R1H104KT5	.1	50	X7R	10%	1.25					2000	
Style 1206												
810-C3216X7R2J102KT5	C3216X7R2J102KT5	1000pF	630	X7R	10%	1.15					2000	
810-C3216X7R2J152KT5	C3216X7R2J152KT5	1500pF	630	X7R	10%	1.15					2000	
810-C3216X7R2J222KT5	C3216X7R2J222KT5	2200pF	630	X7R	10%	1.15					2000	
810-C3216X7R2J332KT5	C3216X7R2J332KT5	3300pF	630	X7R	10%	1.15					2000	
810-C3216X7R2J472KT5	C3216X7R2J472KT5	4700pF	630	X7R	10%	1.15					2000	
810-C3216X7R2J682KT5	C3216X7R2J682KT5	6800pF	630	X7R	10%	1.15					2000	
810-C3216X7R2J103KT5	C3216X7R2J103KT5	.01	630	X7R	10%	1.15					2000	
810-C3216X7R2E153KT5	C3216X7R2E153KT5	.015	250	X7R	10%	1.15					2000	
810-C3216X7R2J153KT5	C3216X7R2J153KT5	.015	630	X7R	10%	1.3					2000	
810-C3216X7R2E223KT5	C3216X7R2E223KT5	.022	250	X7R	10%	1.15					2000	
810-C3216X7R2J223KT5	C3216X7R2J223KT5	.022	630	X7R	10%	1.3					2000	
810-C3216X7R2A333KT5	C3216X7R2A333KT5	.033	100	X7R	10%	1.15					2000	
810-C3216X7R2E333KT5	C3216X7R2E333KT5	.033	250	X7R	10%	1.6					2000	
810-C3216X7R2J333KT5	C3216X7R2J333KT5	.033	630	X7R	10%	1.6					2000	
810-C3216X7R2A473KT5	C3216X7R2A473KT5	.047	100	X7R	10%	1.15					2000	
810-C3216X7R2E473KT5	C3216X7R2E473KT5	.047	250	X7R	10%	1.6					2000	
810-C3216X7R2A683KT5	C3216X7R2A683KT5	.068	100	X7R	10%	1.6					2000	
810-C3216X7R2E683KT5	C3216X7R2E683KT5	.068	250	X7R	10%	1.6					2000	
810-C3216X7R2A154KT5	C3216X7R2A154KT5	.15	100	X7R	10%	1.6					2000	
810-C3216X7R2A104KT5	C3216X7R2A104KT5	.1	100	X7R	10%	1.6					2000	
810-C3216X7R2E104KT5	C3216X7R2E104KT5	.1	250	X7R	10%	1.6					2000	
810-C3216X7R2A105KT5	C3216X7R2A105KT5	.1	100	X7R	10%	1.6					2000	
810-C3216X7R1C475MT5	C3216X7R1C475MT5	4.7	16	X7R	20%	1.6					2000	
Style 1210												
810-C3225X7R2J473KT5	C3225X7R2J473KT5	.047	630	X7R	10%	2.0					1000	
810-C3225X7R2J683KT5	C3225X7R2J683KT5	.068	630	X7R	10%	2.0					1000	
810-C3225X7R2E154KT5	C3225X7R2E154KT5	.15	250	X7R	10%	2.0					1000	
810-C3225X7R2E104KT5	C3225X7R2E104KT5	.1	250	X7R	10%	2.0					1000	
810-C3225X7R2E224KT5	C3225X7R2E224KT5	.22	250	X7R	10%	2.0					1000	
810-C3225X7R2A334KT5	C3225X7R2A334KT5	.33	100	X7R	10%	2.0					1000	
810-C3225X7R1H474KT5	C3225X7R1H474KT5	.47	50	X7R	10%	1.6					2000	
810-C3225X7R1H684KT5	C3225X7R1H684KT5	.68	50	X7R	10%	2.0					1000	
810-C3225X7R1E105KT5	C3225X7R1E105KT5	1	25	X7R	10%	1.15					2000	
810-C3225X7R1E155KT5	C3225X7R1E155KT5	1.5	25	X7R	10%	1.6					2000	
810-C3225X7R1E225KT5	C3225X7R1E225KT5	2.2	25	X7R	10%	2.0					1000	
810-C3225X7R2A225KT5	C3225X7R2A225KT5	2.2	100	X7R	10%	2.3					1000	
810-C3225X7R1C335KT5	C3225X7R1C335KT5	3.3	16	X7R	10%	2.0					1000	
810-C3225X7R1C475KT5	C3225X7R1C475KT5	4.7	16	X7R	10%	2.5					1000	
Style 1812												
810-C4532X7R2J683KT5	C4532X7R2J683KT5	.068	630	X7R	10%	1.6					1000	
810-C4532X7R2E154KT5	C4532X7R2E154KT5	.15	250	X7R	10%	1.6					1000	
810-C4532X7R2J104KT5	C4532X7R2J104KT5	.1	630	X7R	10%	2.3					500	
810-C4532X7R2E224KT5	C4532X7R2E224KT5	.22	250	X7R	10%	2.0					500	
810-C4532X7R2E334KT5	C4532X7R2E334KT5	.33	250	X7R	10%	2.3					500	
810-C4532X7R2E474KT5	C4532X7R2E474KT5	.47	250	X7R	10%	2.3					500	
810-C4532X7R2A684KT5	C4532X7R2A684KT5	.68	100	X7R	10%	2.3					500	
810-C4532X7R1H105KT5	C4532X7R1H105KT5	1	50	X7R	10%	1.6					1000	
810-C4532X7R1H155KT5	C4532X7R1H155KT5	1.5	50	X7R	10%	2.3					500	
810-C4532X7R1E335KT5	C4532X7R1E335KT5	3.3	25	X7R	10%	1.6					1000	
810-C4532X7R1E475KT5	C4532X7R1E475KT5	4.7	25	X7R	10%	2.0					1000	
810-C4532X7R1C685KT5	C4532X7R1C685KT5	6.8	16	X7R	10%	2.0					1000	
810-C4532X7R1C106KT5	C4532X7R1C106KT5	10	16	X7R	10%	2.3					500	
Style 2220												
810-C5750X7R2J154KT5	C5750X7R2J154KT5	.15	630	X7R	10%	1.6					1000	
810-C5750X7R2J224KT5	C5750X7R2J224KT5	.22	630	X7R	10%	2.3					500	
810-C5750X7R2E334KT5	C5750X7R2E334KT5	.33	250	X7R	10%	1.6					1000	
810-C5750X7R2E474KT5	C5750X7R2E474KT5	.47	250	X7R	10%	2.3					500	
810-C5750X7R2A684KT5	C5750X7R2A684KT5	.68	100	X7R	10%	1.6					1000	
810-C5750X7R2E684KT5	C5750X7R2E684KT5	.68	250	X7R	10%	2.3					500	
810-C5750X7R2A105KT5	C5750X7R2A105KT5	1	100	X7R	10%	2.0					500	
810-C5750X7R2E105KT5	C5750X7R2E105KT5	1	250	X7R	10%	2.3					500	
810-C5750X7R2A155KT5	C5750X7R2A155KT5	1.5	100	X7R	10%	2.3					500	
810-C5750X7R1H225KT5	C5750X7R1H225KT5	2.2	50	X7R	10%	1.6					500	
810-C5750X7R1H335KT5	C5750X7R1H335KT5	3.3	50	X7R	10%	2.3					500	
810-C5750X7R1H475KT5	C5750X7R1H475KT5	4.7	50	X7R	10%	2.0					500	
810-C5750X7R1E685KT5	C5750X7R1E685KT5	6.8	25	X7R	10%	1.6					1000	
810-C5750X7R1E106KT5	C5750X7R1E106KT5	10	25	X7R	10%	2.0					500	
810-C5750X7R1E156MT5	C5750X7R1E156											

TDK Ceramic Chip Capacitors



RoHS Compliant This product is RoHS compliant.

CGA SERIES AUTOMOTIVE GRADE CAPACITORS

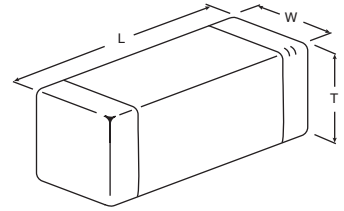
Features:

- The CGA series consists of products that can be used for the power train, safety equipment, etc. of a vehicle
- Parts are manufactured using tested and stable manufacturing processes and are subjected to increased inspections to guarantee a higher level of reliability
- A monolithic structure ensures superior mechanical strength and reliability
- High Capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances
- Low stray capacitance ensures high conformity with nominal values, thereby simplifying the circuit design process

Applications:

- Automotive applications
- High reliability requirement applications
- Harsh environment requirement applications
- Smart meter
- Base Stations
- Noise Bypass in automotive

Dimensions: mm			
	L	W	T
CGA2	1.0	0.5	0.5
CGA3	1.6	0.8	0.8



TDK Ceramic Caps, SMD

CGA2 (EIA CC0402/JIS C1005)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol. ±	Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				1	50	100	500		
Temperature Coef: C0G										
810—CGA2B2C0G1H010C		1	50	.25pF					10000	
810—CGA2B2C0G1H1R5C		1.5	50	.25pF					10000	
810—CGA2B2C0G1H020C		2	50	.25pF					10000	
810—CGA2B2C0G1H2R2C		2.2	50	.25pF					10000	
810—CGA2B2C0G1H030C		3	50	.25pF					10000	
810—CGA2B2C0G1H3R3C		3.3	50	.25pF					10000	
810—CGA2B2C0G1H040C		4	50	.25pF					10000	
810—CGA2B2C0G1H4R7C		4.7	50	.25pF					10000	
810—CGA2B2C0G1H050C		5	50	.25pF					10000	
810—CGA2B2C0G1H060D		6	50	.50pF					10000	
810—CGA2B2C0G1H6R8D		6.8	50	.50pF					10000	
810—CGA2B2C0G1H070D		7	50	.50pF					10000	
810—CGA2B2C0G1H080D		8	50	.50pF					10000	
810—CGA2B2C0G1H090D		9	50	.50pF					10000	
810—CGA2B2C0G1H100D		10	50	.50pF					10000	
810—CGA2B2C0G1H120J		12	50	5%					10000	
810—CGA2B2C0G1H150J		15	50	5%					10000	
810—CGA2B2C0G1H180J		18	50	5%					10000	
810—CGA2B2C0G1H220J		22	50	5%					10000	
810—CGA2B2C0G1H270J		27	50	5%					10000	
810—CGA2B2C0G1H330J		33	50	5%					10000	
810—CGA2B2C0G1H390J		39	50	5%					10000	
810—CGA2B2C0G1H470J		47	50	5%					10000	
810—CGA2B2C0G1H560J		56	50	5%					10000	
810—CGA2B2C0G1H680J		68	50	5%					10000	
810—CGA2B2C0G1H820J		82	50	5%					10000	
810—CGA2B2C0G1H101J		100	50	5%					10000	
810—CGA2B2C0G1H121J		120	50	5%					10000	
810—CGA2B2C0G1H151J		150	50	5%					10000	
810—CGA2B2C0G1H181J		180	50	5%					10000	
810—CGA2B2C0G1H221J		220	50	5%					10000	
810—CGA2B2C0G1H271J		270	50	5%					10000	
810—CGA2B2C0G1H331J		330	50	5%					10000	
810—CGA2B2C0G1H391J		390	50	5%					10000	
810—CGA2B2C0G1H471J		470	50	5%					10000	
810—CGA2B2C0G1H561J		560	50	5%					10000	
810—CGA2B2C0G1H681J		680	50	5%					10000	
810—CGA2B2C0G1H821J		820	50	5%					10000	
810—CGA2B2C0G1H102J		1000	50	5%					10000	
810—CGA2B1X5R1C224K		.22µF	16	10%					10000	
Temperature Coef: X7R										
810—CGA2B2X7R1H221K		200	50	10%					10000	
810—CGA2B2X7R1H331K		330	50	10%					10000	
810—CGA2B2X7R1H471K		470	50	10%					10000	
810—CGA2B2X7R1H681K		680	50	10%					10000	
810—CGA2B2X7R1H102K		1000	50	10%					10000	
810—CGA2B2X7R1H152K		1500	50	10%					10000	
810—CGA2B2X7R1H222K		2200	50	10%					10000	
810—CGA2B2X7R1H332K		3300	50	10%					10000	
810—CGA2B2X7R1H472K		4700	50	10%					10000	
810—CGA2B2X7R1H682K		6800	50	10%					10000	
810—CGA2B2X7R1E103K		.01µF	25	10%					10000	
810—CGA2B3X7R1V103K		.01µF	35	10%					10000	
810—CGA2B3X7R1H103K		.01µF	50	10%					10000	
810—CGA2B3X7R1H153K		.015µF	50	10%					10000	
810—CGA2B2X7R1E223K		.022µF	25	10%					10000	
810—CGA2B3X7R1H223K		.022µF	50	10%					10000	
810—CGA2B3X7R1H333K		.033µF	50	10%					10000	
810—CGA2B2X7R1C473K		.047µF	16	10%					10000	
810—CGA2B1X7R1E473K		.047µF	25	10%					10000	
810—CGA2B3X7R1H473K		.047µF	50	10%					10000	
810—CGA2B1X7R1C683K		.068µF	16	10%					10000	
810—CGA2B3X7R1H683K		.068µF	50	10%					10000	
810—CGA2B1X7R1C104K		.1µF	16	10%					10000	
810—CGA2B3X7R1E104K		.1µF	25	10%					10000	
810—CGA2B3X7R1V104K		.1µF	35	10%					10000	
810—CGA2B3X7R1H104K		.1µF	50	10%					10000	
810—CGA2B1X7R1A224K		.22µF	10	10%					10000	
Temperature Coef: X7S										
810—CGA2B3X7S2A102K		1000	100	10%					10000	
810—CGA2B3X7S2A152K		1500	100	10%					10000	
810—CGA2B3X7S2A222K		2200	100	10%					10000	
810—CGA2B3X7S2A332K		3300	100	10%					10000	
810—CGA2B3X7S2A472K		4700	100	10%					10000	
810—CGA2B3X7S2A682K		6800	100	10%					10000	
810—CGA2B3X7S2A103K		.01µF	100	10%					10000	
Temperature Coef: X8R										
810—CGA2B2X8R1H151K		150	50	10%					10000	
810—CGA2B2X8R1H221K		220	50	10%					10000	
810—CGA2B2X8R1H331K		330	50	10%					10000	
810—CGA2B2X8R1H471K		470	50	10%					10000	

CGA2 (EIA CC0402/JIS C1005) (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol. ±	Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				1	50	100	500		
Temperature Coef: X8R (Cont.)										
810—CGA2B2X8R1H681K		680	50	10%					10000	
810—CGA2B2X8R1H102K		1000	50	10%					10000	
810—CGA2B2X8R1H152K		1500	50	10%					10000	
810—CGA2B2X8R1H222K		2200	50	10%					10000	
810—CGA2B2X8R1H332K		3300	50	10%					10000	
810—CGA2B2X8R1H472K		4700	50	10%					10000	
810—CGA2B2X8R1E682K		6800	25	10%					10000	
810—CGA2B2X8R1E103K		.01µF	25	10%					10000	

CGA3 (EIA CC0603/JIS C1608)

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol. ±	Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				1	50	100	500		
Temperature Coef: C0G										
810—CGA3E2C0G1H010C		1	50	.25pF					4000	
810—CGA3E2C0G1H1R5C		1.5	50	.25pF					4000	
810—CGA3E2C0G1H020C		2	50	.25pF					4000	
810—CGA3E2C0G1H2R2C		2.2	50	.25pF					4000	
810—CGA3E2C0G1H030C		3	50	.25pF					4000	
810—CGA3E2C0G1H3R3C		3.3	50	.25pF					4000	
810—CGA3E2C0G1H040C		4	50	.25pF					4000	
810—CGA3E2C0G1H4R7C		4.7	50	.25pF					4000	
810—CGA3E2C0G1H050C		5	50	.25pF					4000	
810—CGA3E2C0G1H060D		6	50	.50pF					4000	
810—CGA3E2C0G1H6R8D		6.8	50	.50pF					4000	
810—CGA3E2C0G1H070D		7	50	.50pF					4000	
810—CGA3E2C0G1H080D		8	50	.50pF					4000	
810—CGA3E2C0G1H090D		9	50	.50pF					4000	
810—CGA3E2C0G1H100D		10	50	.50pF					4000	
810—CGA3E2C0G1H120J		12	50	5%					4000	
810—CGA3E2C0G1H150J		15	50	5%					4000	
810—CGA3E2C0G1H180J		18	50	5%					4000	
810—CGA3E2C0G1H220J		22	50	5%					4000	
810—CGA3E2C0G1H270J		27	50	5%					4000	
810—CGA3E2C0G1H330J		33	50	5%					4000	
810—CGA3E2C0G1H390J		39	50	5%					4000	
810—CGA3E2C0G1H470J		47	50	5%					4000	
810—CGA3E2C0G1H560J		56	50	5%					4000	
810—CGA3E2C0G1H680J		68	50	5%					4000	
810—CGA3E2C0G1H820J		82	50	5%					4000	
810—CGA3E2C0G1H101J		100	50	5%					4000	
810—CGA3E2C0G2A101J		100	100	5%					4000	
810—CGA3E3C0G2E101J		100	250	5%					4000	
810—CGA3E2C0G1H121J		120	50	5%					4000	
810—CGA3E2C0G2A121J		120	100	5%					4000	
810—CGA3E3C0G2E121J		120	250	5%					4000	
810—CGA3E2C0G1H151J		150	50	5%					4000	
810—CGA3E2C0G2A151J		150	100	5%					4000	
810—CGA3E3C0G2E151J		150	250	5%					4000	
810—CGA3E2C0G1H181J		180	50	5%					4000	
810—CGA3E2C0G2A181J		180	100	5%					4000	
810—CGA3E3C0G2E181J		180	250	5%					4000	
810—CGA3E2C0G1H221J		220	50	5%					4000	
810—CGA3E2C0G2A221J		220								

TDK Ceramic Chip Capacitors



RoHS Compliant This product is RoHS compliant.

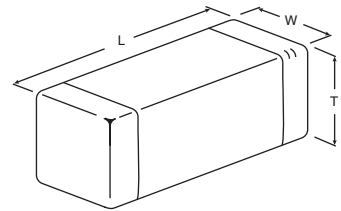
CGA SERIES AUTOMOTIVE GRADE CAPACITORS (CONT.)

Features:

- The CGA series consists of products that can be used for the power train, safety equipment, etc. of a vehicle
- Parts are manufactured using tested and stable manufacturing processes and are subjected to increased inspections to guarantee a higher level of reliability
- A monolithic structure ensures superior mechanical strength and reliability
- High Capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances
- Low stray capacitance ensures high conformity with nominal values, thereby simplifying the circuit design process

Applications:

- Automotive applications
- High reliability requirement applications
- Harsh environment requirement applications
- Smart meter
- Base Stations
- Noise Bypass in automotive



Dimensions: mm			
	L	W	T
CGA3	1.6	0.8	0.8

CGA3 (EIA CC0603/JIS C1608) (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol. ±	Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				1	50	100	500		
Temperature Coef: C0G (Cont.)										
810	CGA3E2C0G1H392J	3900	50	5					4000	
810	CGA3E2C0G1H472J	4700	50	5					4000	
810	CGA3E2C0G1H562J	5600	50	5					4000	
810	CGA3E2C0G1H682J	6800	50	5					4000	
810	CGA3E2C0G1H822J	8200	50	5					4000	
810	CGA3E2C0G1H103J	.01µF	50	5					4000	
Temperature Coef: X5R										
810	CGA3E3X5R1H105K	1µF	50	10					4000	
810	CGA3E1X5R1C225K	2.2µF	16	10					4000	
810	CGA3E1X5R1A335K	3.3µF	10	10					4000	
810	CGA3E1X5R0J475K	4.7µF	6.3	10					4000	
Temperature Coef: X7R										
810	CGA3E2X7R1H331K	330	50	10					4000	
810	CGA3E2X7R1H471K	470	50	10					4000	
810	CGA3E2X7R1H681K	680	50	10					4000	
810	CGA3E2X7R1H102K	1000	50	10					4000	
810	CGA3E2X7R2A102K	1000	100	10					4000	
810	CGA3E2X7R1H152K	1500	50	10					4000	
810	CGA3E2X7R2A152K	1500	100	10					4000	
810	CGA3E2X7R1H222K	2200	50	10					4000	
810	CGA3E2X7R2A222K	2200	100	10					4000	
810	CGA3E2X7R1H332K	3300	50	10					4000	
810	CGA3E2X7R2A332K	3300	100	10					4000	
810	CGA3E2X7R1H472K	4700	50	10					4000	
810	CGA3E2X7R2A472K	4700	100	10					4000	
810	CGA3E2X7R1H682K	6800	50	10					4000	
810	CGA3E2X7R2A682K	6800	100	10					4000	
810	CGA3E2X7R1H103K	.01µF	50	10					4000	
810	CGA3E2X7R2A103K	.01µF	100	10					4000	
810	CGA3E2X7R1H153K	.015µF	50	10					4000	
810	CGA3E2X7R2A153K	.015µF	100	10					4000	
810	CGA3E2X7R1H223K	.022µF	50	10					4000	
810	CGA3E2X7R2A223K	.022µF	100	10					4000	
810	CGA3E2X7R1H333K	.033µF	50	10					4000	
810	CGA3E2X7R1H473K	.047µF	50	10					4000	
810	CGA3E2X7R1H683K	.068µF	50	10					4000	
810	CGA3E2X7R1E104K	.1µF	25	10					4000	
810	CGA3E2X7R1H104K	.1µF	50	10					4000	
810	CGA3E2X7R1E154K	.15µF	25	10					4000	
810	CGA3E3X7R1H154K	.15µF	50	10					4000	
810	CGA3E2X7R1C224K	.22µF	16	10					4000	
810	CGA3E1X7R1E224K	.22µF	25	10					4000	
810	CGA3E3X7R1H224K	.22µF	50	10					4000	
810	CGA3E1X7R1C334K	.33µF	16	10					4000	
810	CGA3E1X7R1V334K	.33µF	35	10					4000	
810	CGA3E1X7R1C474K	.47µF	16	10					4000	
810	CGA3E3X7R1E474K	.47µF	25	10					4000	
810	CGA3E1X7R1V474K	.47µF	35	10					4000	
810	CGA3E1X7R1C684K	.68µF	16	10					4000	
810	CGA3E1X7R1E684K	.68µF	25	10					4000	
810	CGA3E1X7R1E105K	2µF	25	10					4000	
810	CGA3E1X7R0J225K	2.2µF	6.3	10					4000	
Temperature Coef: X7S										
810	CGA3E3X7S2A333K	.033µF	100	10					4000	
810	CGA3E3X7S2A473K	.047µF	100	10					4000	
810	CGA3E3X7S2A683K	.068µF	100	10					4000	
810	CGA3E3X7S2A104K	.1µF	100	10					4000	
Temperature Coef: X8R										
810	CGA3E2X8R1H102K	1000	50	10					4000	
810	CGA3E2X8R2A102K	1000	100	10					4000	
810	CGA3E2X8R1H152K	1500	50	10					4000	
810	CGA3E2X8R2A152K	1500	100	10					4000	
810	CGA3E2X8R1H222K	2200	50	10					4000	
810	CGA3E2X8R2A222K	2200	100	10					4000	
810	CGA3E2X8R1H332K	3300	50	10					4000	
810	CGA3E2X8R2A332K	3300	100	10					4000	
810	CGA3E2X8R1H472K	4700	50	10					4000	
810	CGA3E2X8R2A472K	4700	100	10					4000	
810	CGA3E2X8R1H682K	6800	50	10					4000	
810	CGA3E2X8R2A682K	6800	100	10					4000	
810	CGA3E2X8R1H103K	.01µF	50	10					4000	
810	CGA3E2X8R2A103K	.01µF	100	10					4000	
810	CGA3E2X8R1H153K	.015µF	50	10					4000	
810	CGA3E2X8R2A153K	.015µF	100	10					4000	
810	CGA3E2X8R1H223K	.022µF	50	10					4000	
810	CGA3E2X8R1H333K	.033µF	50	10					4000	
810	CGA3E2X8R1H473K	.047µF	50	10					4000	
810	CGA3E2X8R1E683K	.068µF	25	10					4000	
810	CGA3E2X8R1E104K	.1µF	25	10					4000	

CGA4 (EIA CC0805/JIS C2012)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				L	W	T	1	50	100	500		
Temperature Coef: C0G													
810	CGA4C2C0G1H101J	100	50	5	2.0	1.25	0.6						4000
810	CGA4C2C0G2A101J	100	100	5	2.0	1.25	0.6						4000
810	CGA4C2C0G2A221J	220	100	5	2.0	1.25	0.6						4000
810	CGA4C2C0G2A471J	470	100	5	2.0	1.25	0.6						4000
810	CGA4C3C0G2E821J	820	250	5	2.0	1.25	0.6						4000
810	CGA4C2C0G1H102J	1000	50	5	2.0	1.25	0.6						4000
810	CGA4C2C0G2A102J	1000	100	5	2.0	1.25	0.6						4000
810	CGA4F3C0G2E102J	1000	250	5	2.0	1.25	0.85						4000
810	CGA4C2C0G2A122J	1200	100	5	2.0	1.25	0.6						4000
810	CGA4F3C0G2E122J	1200	250	5	2.0	1.25	0.85						4000
810	CGA4C2C0G2A152J	1500	100	5	2.0	1.25	0.6						4000
810	CGA4F3C0G2E152J	1500	250	5	2.0	1.25	0.85						2000
810	CGA4F2C0G2A182J	1800	100	5	2.0	1.25	0.85						2000
810	CGA4J3C0G2E182J	1800	250	5	2.0	1.25	1.25						2000
810	CGA4C2C0G1H222J	2200	50	5	2.0	1.25	0.6						4000
810	CGA4F2C0G2A222J	2200	100	5	2.0	1.25	0.85						4000
810	CGA4J3C0G2E222J	2200	250	5	2.0	1.25	1.25						2000
810	CGA4C2C0G1H272J	2700	50	5	2.0	1.25	0.6						4000
810	CGA4J2C0G2A272J	2700	100	5	2.0	1.25	1.25						2000
810	CGA4J3C0G2E272J	2700	250	5	2.0	1.25	1.25						2000
810	CGA4C2C0G1H332J	3300	50	5	2.0	1.25	0.6						4000
810	CGA4J2C0G2A332J	3300	100	5	2.0	1.25	1.25						2000
810	CGA4C2C0G1H392J	3900	50	5	2.0	1.25	0.6						4000
810	CGA4F2C0G1H392J	3900	50	5	2.0	1.25	0.85						2000
810	CGA4J2C0G2A392J	3900	100	5	2.0	1.25	1.25						2000
810	CGA4C2C0G1H472J	4700	50	5	2.0	1.25	0.6						4000
810	CGA4F2C0G1H472J	4700	50	5	2.0	1.25	0.85						2000
810	CGA4J2C0G2A472J	4700	100	5	2.0	1.25	1.25						2000
810	CGA4C2C0G												

TDK Ceramic Chip Capacitors



RoHS Compliant This product is RoHS compliant.

CGA SERIES AUTOMOTIVE GRADE CAPACITORS (CONT.)

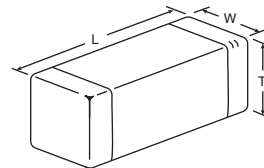
Features:

- The CGA series consists of products that can be used for the power train, safety equipment, etc. of a vehicle
- Parts are manufactured using tested and stable manufacturing processes and are subjected to increased inspections to guarantee a higher level of reliability
- A monolithic structure ensures superior mechanical strength and reliability

- High Capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers
- High – accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances
- Low stray capacitance ensures high conformity with nominal values, thereby simplifying the circuit design process

Applications:

- Automotive applications
- High reliability requirement applications
- Harsh environment requirement applications
- Smart meter
- Base Stations
- Noise Bypass in automotive



CGA4 (EIA CC0805/JIS C2012) (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value	Volt	Tol.	Dimensions: mm			Price Each				Reel	Price
Mfr.	Mfr. Part No.	(pF)	(DC)	±	L	W	T	1	50	100	500	Qty.	Per Piece
Temperature Coef: X7S													
810	CGA4J3X7S2A474K	.47µF	100	10	2.0	1.25	1.25					2000	
810	CGA4J3X7S2A105K	1µF	100	10	2.0	1.25	1.25					2000	
Temperature Coef: X7T													
810	CGA4J3X7T2E473K	.047µF	250	10	2.0	1.25	1.25					2000	
810	CGA4J3X7T2E104K	1µF	250	10	2.0	1.25	1.25					2000	
Temperature Coef: X8R													
810	CGA4J2X8R2A223K	.022µF	100	10	2.0	1.25	1.25					2000	
810	CGA4J2X8R1H683K	.068µF	50	10	2.0	1.25	1.25					2000	
810	CGA4J2X8R1H104K	.1µF	50	10	2.0	1.25	1.25					2000	
810	CGA4J2X8R1E224K	.22µF	25	10	2.0	1.25	1.25					2000	
810	CGA4J2X8R1E334K	.33µF	25	10	2.0	1.25	1.25					2000	

CGA5 (EIA CC1206/JIS C3216) (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value	Volt	Tol.	Dimensions: mm			Price Each				Reel	Price
Mfr.	Mfr. Part No.	(pF)	(DC)	±	L	W	T	1	50	100	500	Qty.	Per Piece
Temperature Coef: X7R (Cont.)													
810	CGA5L2X7R1C225K	2.2µF	16	10	3.2	1.6	1.6					2000	
810	CGA5L3X7R1H225K	2.2µF	50	10	3.2	1.6	1.6					2000	
810	CGA5L1X7R1V335K	3.3µF	35	10	3.2	1.6	1.6					2000	
810	CGA5L3X7R1C475K	4.7µF	16	10	3.2	1.6	1.6					2000	
810	CGA5L1X7R1V475K	4.7µF	35	10	3.2	1.6	1.6					2000	
810	CGA5L3X5R1H475K	4.7µF	50	10	3.2	1.6	1.6					2000	
810	CGA5L1X7R1E106K	10µF	25	10	3.2	1.6	1.15					2000	
810	CGA5L3X5R1V106K	10µF	35	10	3.2	1.6	1.6					2000	
810	CGA5L3X5R1H106K	10µF	50	10	3.2	1.6	1.6					2000	
810	CGA5L1X7R0J226M	22µF	6.3	20	3.2	1.6	1.6					2000	
Temperature Coef: X7S													
810	CGA5L3X7S2A225K	2.2µF	100	10	3.2	1.6	1.6					2000	
Temperature Coef: X7T													
810	CGA5L4X7T2W104K	.01µF	450	10	3.2	1.6	1.6					2000	
810	CGA5H1X7T2J223K	.022µF	630	10	3.2	1.6	1.15					2000	
810	CGA5L1X7T2J473K	.047µF	630	10	3.2	1.6	1.6					2000	
810	CGA5L3X7T2E224K	.22µF	250	10	3.2	1.6	1.6					2000	
810	CGA5L3X7R2E104K	.1µF	250	10	3.2	1.6	1.6					2000	
810	CGA5L2X7R2A154K	.15µF	100	10	3.2	1.6	1.6					2000	
810	CGA5H2X7R2A224K	.22µF	100	10	3.2	1.6	1.15					2000	
810	CGA5K2X7R2A334K	.33µF	100	10	3.2	1.6	1.3					2000	
810	CGA5L2X7R1H474K	.47µF	50	10	3.2	1.6	1.6					2000	
810	CGA5L2X7R2A474K	.47µF	100	10	3.2	1.6	1.6					2000	
810	CGA5L2X7R1H684K	.68µF	50	10	3.2	1.6	1.6					2000	
810	CGA5L2X7R2A105K	1µF	100	10	3.2	1.6	1.6					2000	
810	CGA5L3X7R1H105K	1µF	50	10	3.2	1.6	1.6					2000	
810	CGA5L2X7R1E155K	1.5µF	25	10	3.2	1.6	1.6					2000	
810	CGA5L2X7R1E225K	2.2µF	25	10	3.2	1.6	1.6					2000	
810	CGA5L1X7R1E335K	3.3µF	25	10	3.2	1.6	1.6					2000	
810	CGA5L1X7R1E475K	4.7µF	25	10	3.2	1.6	1.6					2000	
810	CGA5L1X7R1C685K	6.8µF	16	10	3.2	1.6	1.6					2000	
Temperature Coef: X8R													
810	CGA5H2X8R2A683K	.068µF	100	10	3.2	1.6	1.15					2000	
810	CGA5H2X8R2A104K	.1µF	100	10	3.2	1.6	1.15					2000	
810	CGA5L2X8R2A154K	.15µF	100	10	3.2	1.6	1.6					2000	
810	CGA5H2X8R1H224K	.22µF	50	10	3.2	1.6	1.15					2000	
810	CGA5L2X8R1H334K	.33µF	50	10	3.2	1.6	1.6					2000	
810	CGA5L2X8R1H474K	.47µF	50	10	3.2	1.6	1.6					2000	
810	CGA5H2X8R1E684K	.68µF	25	10	3.2	1.6	1.15					2000	
810	CGA5L2X8R1E105K	1µF	25	10	3.2	1.6	1.6					2000	

CGA5 (EIA CC1206/JIS C3216)

Temperature Coef: C0G													
Mfr.	Mfr. Part No.	Value	Volt	Tol.	Dimensions: mm			Price Each				Reel	Price
		(pF)	(DC)	±	L	W	T	1	50	100	500	Qty.	Per Piece
810	CGA5C4C0G2J101J	100	630	5	3.2	1.6	0.6					4000	
810	CGA5C4C0G2J121J	120	630	5	3.2	1.6	0.6					4000	
810	CGA5C4C0G2J151J	150	630	5	3.2	1.6	0.6					4000	
810	CGA5C4C0G2J181J	180	630	5	3.2	1.6	0.6					4000	
810	CGA5C4C0G2J221J	220	630	5	3.2	1.6	0.6					4000	
810	CGA5C4C0G2J271J	270	630	5	3.2	1.6	0.6					4000	
810	CGA5C4C0G2J331J	330	630	5	3.2	1.6	0.6					4000	
810	CGA5C4C0G2J391J	390	630	5	3.2	1.6	0.6					4000	
810	CGA5F4C0G2J471J	470	630	5	3.2	1.6	0.85					4000	
810	CGA5F4C0G2J561J	560	630	5	3.2	1.6	0.85					4000	
810	CGA5F4C0G2J681J	680	630	5	3.2	1.6	0.85					4000	
810	CGA5F4C0G2J821J	820	630	5	3.2	1.6	0.85					4000	
810	CGA5F4C0G2J102J	1000	630	5	3.2	1.6	0.85					4000	
810	CGA5F4C0G2J122J	1200	630	5	3.2	1.6	0.85					4000	
810	CGA5H4C0G2J152J	1500	630	5	3.2	1.6	1.15					2000	
810	CGA5H4C0G2J182J	1800	630	5	3.2	1.6	1.15					2000	
810	CGA5H4C0G2J222J	2200	630	5	3.2	1.6	1.15					2000	
810	CGA5L4C0G2J272J	2700	630	5	3.2	1.6	1.6					2000	
810	CGA5F3C0G2E332J	3300	250	5	3.2	1.6	0.85					4000	
810	CGA5L4C0G2J332J	3300	630	5	3.2	1.6	1.6					2000	
810	CGA5C2C0G2A392J	3900	100	5	3.2	1.6	0.6					4000	
810	CGA5H3C0G2E392J	3900	250	5	3.2	1.6	1.15					2000	
810	CGA5C2C0G1H472J	4700	50	5	3.2	1.6	0.6					4000	
810	CGA5F2C0G2A472J	4700	100	5	3.2	1.6	0.85					4000	
810	CGA5H3C0G2E472J	4700	250	5	3.2	1.6	1.15					2000	
810	CGA5C2C0G1H562J	5600	50	5	3.2	1.6	0.6					4000	
810	CGA5F2C0G2A562J	5600	100	5	3.2	1.6	0.85					4000	
810	CGA5H3C0G2E562J	5600	250	5	3.2	1.6	1.15					2000	
810	CGA5C2C0G1H682J	6800	50	5	3.2	1.6	0.6					4000	
810	CGA5H2C0G2A682J	6800	100	5	3.2	1.6	1.15					2000	
810	CGA5L3C0G2E682J	6800	250	5	3.2	1.6	1.6					2000	
810	CGA5C2C0G1H822J	8200	50	5	3.2	1.6	0.6					4000	
810	CGA5F2C0G1H822J	8200	50	5	3.2	1.6	0.85					4000	
810	CGA5H2C0G2A822J	8200	100	5	3.2	1.6	1.15					2000	
810	CGA5L3C0G2E822J	8200	250	5	3.2	1.6	1.6					2000	
810	CGA5C2C0G1H103J	.01µF	50	5	3.2	1.6	0.6					4000	
810	CGA5F2C0G1H103J	.01µF	50	5	3.2	1.6	0.85					4000	
810	CGA5H2C0G2A103J	.01µF	100	5	3.2	1.6	1.15					2000	
810	CGA5C2C0G1H153J	.0											

TDK Ceramic Chip Capacitors



NEW AT MOUSER

CGA SERIES AUTOMOTIVE GRADE CAPACITORS (CONT.)

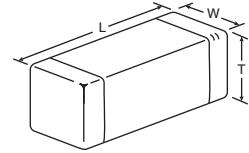
Features:

- The CGA series consists of products that can be used for the power train, safety equipment, etc. of a vehicle
- Parts are manufactured using tested and stable manufacturing processes and are subjected to increased inspections to guarantee a higher level of reliability
- A monolithic structure ensures superior mechanical strength and reliability

- High Capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers
- High - accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances
- Low stray capacitance ensures high conformity with nominal values, thereby simplifying the circuit design process

Applications:

- Automotive applications
- High reliability requirement applications
- Harsh environment requirement applications
- Smart meter
- Base Stations
- Noise Bypass in automotive



CGA6 (EIA CC1210/JIS C3225) (Cont.)

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				L	W	T	1	50	100	500		
Temperature Coef: X7S													
810	CGA6N3X7S1H475K	4.7µF	50	10	3.2	2.5	2.3					1000	
810	CGA6M3X7S2A475K	4.7µF	100	10	3.2	2.5	2.0					1000	
810	CGA6P3X7S1H685K	6.8µF	50	10	3.2	2.5	2.5					1000	
810	CGA6P3X7S1H106K	10µF	50	10	3.2	2.5	2.5					1000	
Temperature Coef: X7T													
810	CGA6M4X7T2W224K	22µF	450	10	3.2	2.5	2.0					1000	
Temperature Coef: X8R													
810	CGA6L2X8R1E155K	1.5µF	25	10	3.2	2.5	1.6					2000	
810	CGA6M2X8R1E225K	2.2µF	25	10	3.2	2.5	2.0					2000	
810	CGA6P2X8R1E335K	3.3µF	25	10	3.2	2.5	2.5					2000	

CGA8 (EIA CC1812/JIS C4532) (Cont.)

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				L	W	T	1	50	100	500		
Temperature Coef: X7R (Cont.)													
810	CGA8N3X7R2E224K	22µF	250	10	4.5	3.2	2.3					1000	
810	CGA8N3X7R2E334K	.33µF	250	10	4.5	3.2	2.3					1000	
810	CGA8N3X7R2E474K	.47µF	250	10	4.5	3.2	2.3					1000	
810	CGA8L4X7R2J683K	0.68µF	630	10	4.5	3.2	1.6					1000	
810	CGA8N4X7R2J104K	1µF	630	10	4.5	3.2	2.3					1000	
Temperature Coef: X7S													
810	CGA8N3X7S2A475K	4.7µF	100	10	4.5	3.2	2.3					1000	
Temperature Coef: X7T													
810	CGA8L3X7T2E684K	.68µF	250	10	4.5	3.2	1.60					1000	
810	CGA8P3X7T2E105K	1µF	250	10	4.5	3.2	2.50					1000	
810	CGA8L4X7T2W334K	.33µF	450	10	4.5	3.2	1.60					1000	
810	CGA8N4X7T2W474K	.47µF	450	10	4.5	3.2	2.30					1000	
810	CGA8L1X7T2J154K	.15µF	630	10	4.5	3.2	1.60					1000	
810	CGA8M1X7T2J224K	.22µF	630	10	4.5	3.2	2.00					1000	

CGA8 (EIA CC1812/JIS C4532)

Temperature Coef: C0G												
810	CGA8L2C0G1H473J	.047µF	50	5	4.5	3.2	1.6					1000
810	CGA8L2C0G1H683J	.063µF	50	5	4.5	3.2	1.6					1000
810	CGA8M2C0G1H104J	.1µF	50	5	4.5	3.2	2.0					1000
810	CGA8P2C0G1H154J	.15µF	50	5	4.5	3.2	2.5					1000
810	CGA8R2C0G1H224J	.22µF	50	5	4.5	3.2	3.2					1000
810	CGA8M2C0G2A473J	.047µF	100	5	4.5	3.2	2.0					1000
810	CGA8P2C0G2A683J	.063µF	100	5	4.5	3.2	2.5					1000
810	CGA8R2C0G2A104J	.1µF	100	5	4.5	3.2	3.2					1000
810	CGA8L3C0G2E223J	.022µF	250	5	4.5	3.2	1.6					1000
810	CGA8M3C0G2E333J	.033µF	250	5	4.5	3.2	2.0					1000
810	CGA8R3C0G2E473J	.047µF	250	5	4.5	3.2	3.2					1000
810	CGA8L4C0G2J822J	8200	630	5	4.5	3.2	1.6					1000
810	CGA8L4C0G2J103J	.01µF	630	5	4.5	3.2	1.6					1000
810	CGA8P4C0G2J153J	.015µF	630	5	4.5	3.2	2.5					1000
810	CGA8R4C0G2J223J	.022µF	630	5	4.5	3.2	3.2					1000
Temperature Coef: X7R												
810	CGA8N3X7R1C226M	22µF	16	20	4.5	3.2	2.3					1000
810	CGA8P1X7R1C336M	33µF	16	20	4.5	3.2	2.5					1000
810	CGA8P2X7R1E106K	10µF	25	10	4.5	3.2	2.5					1000
810	CGA8Q3X7R1E156M	15µF	25	10	4.5	3.2	2.8					1000
810	CGA8P1X7R1E226M	22µF	25	10	4.5	3.2	2.5					1000
810	CGA8L2X7R1H155K	1.5µF	50	10	4.5	3.2	1.6					1000
810	CGA8L2X7R1H225K	2.2µF	50	10	4.5	3.2	1.6					1000
810	CGA8M2X7R1H335K	3.3µF	50	10	4.5	3.2	2.0					1000
810	CGA8M3X7R1H475K	4.7µF	50	10	4.5	3.2	2.0					1000
810	CGA8P3X7R1H685K	6.8µF	50	10	4.5	3.2	2.5					1000
810	CGA8N2X7R2A105K	1µF	100	10	4.5	3.2	2.3					1000
810	CGA8N2X7R2A155K	1.5µF	100	10	4.5	3.2	2.3					1000
810	CGA8N2X7R2A225K	2.2µF	100	10	4.5	3.2	2.3					1000
810	CGA8N2X7R2A684K	6.8µF	100	10	4.5	3.2	2.3					1000
810	CGA8L3X7R2E154K	.15µF	250	10	4.5	3.2	1.6					1000

CGA9 (EIA CC2220/JIS C5750)

Temperature Coef: X7R												
810	CGA9N3X7R1C476M	47µF	16	20	5.7	5.0	2.3					1000
810	CGA9N2X7R1E156M	15µF	25	20	5.7	5.0	2.3					1000
810	CGA9P2X7R1E226M	22µF	25	20	5.7	5.0	2.5					1000
810	CGA9M2X7R1H475K	4.7µF	50	10	5.7	5.0	2.0					1000
810	CGA9P2X7R1H685K	6.8µF	50	10	5.7	5.0	2.5					1000
810	CGA9N3X7R1H106K	10µF	50	10	5.7	5.0	2.3					1000
810	CGA9N2X7R2A105K	1µF	100	10	5.7	5.0	2.3					1000
810	CGA9N2X7R2A155K	1.5µF	100	10	5.7	5.0	2.3					1000
810	CGA9N2X7R2A225K	2.2µF	100	10	5.7	5.0	2.3					1000
810	CGA9N2X7R2A335K	3.3µF	100	10	5.7	5.0	2.3					1000
810	CGA9N2X7R2A475K	4.7µF	100	10	5.7	5.0	2.3					1000
810	CGA9L3X7R2E334K	.33µF	250	10	5.7	5.0	1.6					1000
810	CGA9N3X7R2E474K	.47µF	250	10	5.7	5.0	2.3					1000
810	CGA9N3X7R2E684K	.68µF	250	10	5.7	5.0	2.3					1000
810	CGA9N3X7R2E105K	1µF	250	10	5.7	5.0	2.3					1000
810	CGA9L4X7R2J154K	.15µF	630	10	5.7	5.0	1.6					1000
810	CGA9N4X7R2J224K	.22µF	630	10	5.7	5.0	2.3					1000
Temperature Coef: X7S												
810	CGA9N3X7S2A106K	10µF	100	10	5.7	5.0	2.3					1000
810	CGA9P3X7S2A156M	15µF	100	20	5.7	5.0	2.5					1000
Temperature Coef: X7T												
810	CGA9M3X7T2E155K	1.5µF	250	10	5.7	5.0	2.0					1000
810	CGA9P3X7T2E225K	2.2µF	250	10	5.7	5.0	2.5					1000
810	CGA9M4X7T2W684K	.68µF	450	10	5.7	5.0	2.0					1000
810	CGA9P4X7T2W105K	1µF	450	10	5.7	5.0	2.5					1000
810	CGA9M1X7T2J334K	.33µF	630	10	5.7	5.0	2.0					1000
810	CGA9P1X7T2J474K	.47µF	630	10	5.7	5.0	2.5					1000

TFSQ THIN-FILM CAPACITORS (Z-MATCH)

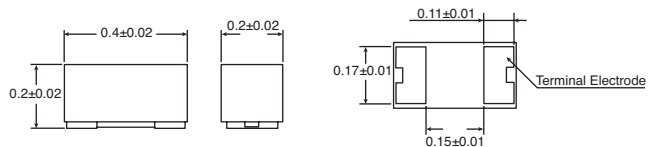
For Impedance Matching at High Frequency

Features:

- Thin-film technologies developed for the manufacture of HDD heads are applied to achieve low ESL and ESR with narrow tolerances of ± 0.05 pF
- Z-match capacitors feature tight tolerances and a high self-resonant frequency

Applications:

- PA circuits, RF matching circuits and RF modules used in mobile phones, smartphones and other devices for wireless LAN, WIMAX, LTE, and other RF communication technologies



DIMENSIONS: mm

MOUSER STOCK NO.		Value (pF)	Volt (DC)	Tol. ±	Dimensions: mm			Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.				L	W	T	1	50	100	500		
810	TFSQ0402C1C0R2WT	0.2	16	0.05pF	0.4	0.2	0.2					15000	
810	TFSQ0402C1C0R3WT	0.3	16	0.05pF	0.4	0.2	0.2					15000	
810	TFSQ0402C1C0R4WT	0.4	16	0.05pF	0.4	0.2	0.2					15000	
810	TFSQ0402C1C0R5WT	0.5	16	0.05pF	0.4	0.2	0.2					15000	
810	TFSQ0402C1C0R6WT	0.6	16	0.05pF	0.4	0.2	0.2					15000	
810	TFSQ0402C1C0R7WT	0.7	16	0.05pF	0.4	0.2	0.2					15000	
810	TFSQ0402C1C0R8WT	0.8	16	0.05pF	0.4	0.2	0.2					15000	
810	TFSQ0402C1C0R9WT	0.9	16	0.05pF	0.4	0.2	0.2					15000	

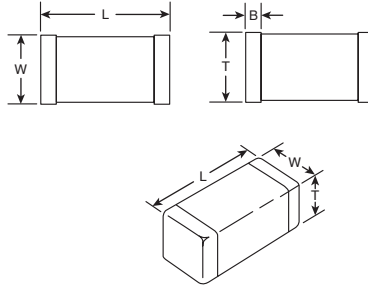
TDK Ceramic Chip Capacitors



RoHS Compliant This product is RoHS compliant.

CGJ SERIES EXTENDED LIFE CAPACITORS

- Extended Life series capacitor featuring increased evaluation during manufacturing to promote longer life
- Life test performs at 2x rated voltage for 2000 hrs
- Reliability tests based on MIL-STD requirements
- Guaranteed TC Bias and Hot IR performance
- Anti-counterfeit/tamper-proof seal to assist in the identification of authentic TDK CGJ products
- The condition of the seal also indicates if the product has been tampered with in the supply chain



Series	DIMENSIONS: mm		
	L Body Length	W Body Width	B Terminal Width
CGJ2	1.00	0.50	0.10
CGJ3	1.60	0.80	0.20
CGJ4	2.00	1.25	0.20
CGJ5	3.20	1.60	0.20

CGJ2 (EIA CC0402/JIS C1005)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
Temperature Coef: C0G									
810-CGJ2B2C0G1H101J	CGJ2B2C0G1H101J	100	50	5%				10000	
810-CGJ2B2C0G1H121J	CGJ2B2C0G1H121J	120	50	5%				10000	
810-CGJ2B2C0G1H151J	CGJ2B2C0G1H151J	150	50	5%				10000	
810-CGJ2B2C0G1H181J	CGJ2B2C0G1H181J	180	50	5%				10000	
810-CGJ2B2C0G1H221J	CGJ2B2C0G1H221J	220	50	5%				10000	
810-CGJ2B2C0G1H271J	CGJ2B2C0G1H271J	270	50	5%				10000	
810-CGJ2B2C0G1H331J	CGJ2B2C0G1H331J	330	50	5%				10000	
810-CGJ2B2C0G1H391J	CGJ2B2C0G1H391J	390	50	5%				10000	
810-CGJ2B2C0G1H471J	CGJ2B2C0G1H471J	470	50	5%				10000	
810-CGJ2B2C0G1H561J	CGJ2B2C0G1H561J	560	50	5%				10000	
810-CGJ2B2C0G1H681J	CGJ2B2C0G1H681J	680	50	5%				10000	
810-CGJ2B2C0G1H821J	CGJ2B2C0G1H821J	820	50	5%				10000	
810-CGJ2B2C0G1H102J	CGJ2B2C0G1H102J	1000	50	5%				10000	
Temperature Coef: X7R									
810-CGJ2B2X7R1C102K	CGJ2B2X7R1C102K	1000	16	10%				10000	
810-CGJ2B2X7R1E102K	CGJ2B2X7R1E102K	1000	25	10%				10000	
810-CGJ2B2X7R1H102K	CGJ2B2X7R1H102K	1000	50	10%				10000	
810-CGJ2B2X7R1C152K	CGJ2B2X7R1C152K	1500	16	10%				10000	
810-CGJ2B2X7R1E152K	CGJ2B2X7R1E152K	1500	25	10%				10000	
810-CGJ2B2X7R1H152K	CGJ2B2X7R1H152K	1500	50	10%				10000	
810-CGJ2B2X7R1C222K	CGJ2B2X7R1C222K	2200	16	10%				10000	
810-CGJ2B2X7R1E222K	CGJ2B2X7R1E222K	2200	25	10%				10000	
810-CGJ2B2X7R1H222K	CGJ2B2X7R1H222K	2200	50	10%				10000	
810-CGJ2B2X7R1C332K	CGJ2B2X7R1C332K	3300	16	10%				10000	
810-CGJ2B2X7R1E332K	CGJ2B2X7R1E332K	3300	25	10%				10000	
810-CGJ2B2X7R1H332K	CGJ2B2X7R1H332K	3300	50	10%				10000	
810-CGJ2B2X7R1C472K	CGJ2B2X7R1C472K	4700	16	10%				10000	
810-CGJ2B2X7R1E472K	CGJ2B2X7R1E472K	4700	25	10%				10000	
810-CGJ2B2X7R1H472K	CGJ2B2X7R1H472K	4700	50	10%				10000	
810-CGJ2B2X7R1C682K	CGJ2B2X7R1C682K	6800	16	10%				10000	
810-CGJ2B2X7R1E682K	CGJ2B2X7R1E682K	6800	25	10%				10000	
810-CGJ2B2X7R1H682K	CGJ2B2X7R1H682K	6800	50	10%				10000	
810-CGJ2B2X7R1C103K	CGJ2B2X7R1C103K	.01µF	16	10%				10000	
810-CGJ2B2X7R1E103K	CGJ2B2X7R1E103K	.01µF	25	10%				10000	
810-CGJ2B2X7R1C153K	CGJ2B2X7R1C153K	.015µF	16	10%				10000	
810-CGJ2B2X7R1E153K	CGJ2B2X7R1E153K	.015µF	25	10%				10000	
810-CGJ2B2X7R1C223K	CGJ2B2X7R1C223K	.022µF	16	10%				10000	
810-CGJ2B2X7R1E223K	CGJ2B2X7R1E223K	.022µF	25	10%				10000	
810-CGJ2B2X7R1C333K	CGJ2B2X7R1C333K	.033µF	16	10%				10000	
810-CGJ2B2X7R1E333K	CGJ2B2X7R1E333K	.033µF	25	10%				10000	
810-CGJ2B2X7R1C473K	CGJ2B2X7R1C473K	.047µF	16	10%				10000	
810-CGJ2B2X7R1E473K	CGJ2B2X7R1E473K	.047µF	25	10%				10000	
810-CGJ2B2X7R1C683K	CGJ2B2X7R1C683K	.068µF	16	10%				10000	
810-CGJ2B2X7R1E683K	CGJ2B2X7R1E683K	.068µF	25	10%				10000	

CGJ3 (EIA CC0603/JIS C1608)

For quantities greater than listed, call for quote.

Temperature Coef: C0G									
MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
810-CGJ3E2C0G1H471J	CGJ3E2C0G1H471J	140	50	5%				4000	
810-CGJ3E2C0G1H271J	CGJ3E2C0G1H271J	270	50	5%				4000	
810-CGJ3E2C0G1H331J	CGJ3E2C0G1H331J	330	50	5%				4000	

CGJ3 (EIA CC0603/JIS C1608) (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
Temperature Coef: C0G (Cont.)									
810-CGJ3E2C0G1H391J	CGJ3E2C0G1H391J	390	50	5%				4000	
810-CGJ3E2C0G1H561J	CGJ3E2C0G1H561J	560	50	5%				4000	
810-CGJ3E2C0G1H681J	CGJ3E2C0G1H681J	680	50	5%				4000	
810-CGJ3E2C0G1H821J	CGJ3E2C0G1H821J	820	50	5%				4000	
810-CGJ3E2C0G1H102J	CGJ3E2C0G1H102J	1000	50	5%				4000	
810-CGJ3E2C0G1H122J	CGJ3E2C0G1H122J	1200	50	5%				4000	
810-CGJ3E2C0G1H152J	CGJ3E2C0G1H152J	1500	50	5%				4000	
810-CGJ3E2C0G1H182J	CGJ3E2C0G1H182J	1800	50	5%				4000	
810-CGJ3E2C0G1H222J	CGJ3E2C0G1H222J	2200	50	5%				4000	
810-CGJ3E2C0G1H272J	CGJ3E2C0G1H272J	2700	50	5%				4000	
810-CGJ3E2C0G1H332J	CGJ3E2C0G1H332J	3300	50	5%				4000	
810-CGJ3E2C0G1H392J	CGJ3E2C0G1H392J	3900	50	5%				4000	
810-CGJ3E2C0G1H472J	CGJ3E2C0G1H472J	4700	50	5%				4000	
810-CGJ3E2C0G1H562J	CGJ3E2C0G1H562J	5600	50	5%				4000	
810-CGJ3E2C0G1H682J	CGJ3E2C0G1H682J	6800	50	5%				4000	
810-CGJ3E2C0G1H822J	CGJ3E2C0G1H822J	8200	50	5%				4000	
810-CGJ3E2C0G1H103J	CGJ3E2C0G1H103J	.01µF	50	5%				4000	
Temperature Coef: X7R									
810-CGJ3E2X7R1C103K	CGJ3E2X7R1C103K	.01µF	16	10%				4000	
810-CGJ3E2X7R1E103K	CGJ3E2X7R1E103K	.01µF	25	10%				4000	
810-CGJ3E2X7R1H103K	CGJ3E2X7R1H103K	.01µF	50	10%				4000	
810-CGJ3E2X7R1C153K	CGJ3E2X7R1C153K	.015µF	16	10%				4000	
810-CGJ3E2X7R1E153K	CGJ3E2X7R1E153K	.015µF	25	10%				4000	
810-CGJ3E2X7R1H153K	CGJ3E2X7R1H153K	.015µF	50	10%				4000	
810-CGJ3E2X7R1C223K	CGJ3E2X7R1C223K	.022µF	16	10%				4000	
810-CGJ3E2X7R1E223K	CGJ3E2X7R1E223K	.022µF	25	10%				4000	
810-CGJ3E2X7R1H223K	CGJ3E2X7R1H223K	.022µF	50	10%				4000	
810-CGJ3E2X7R1C333K	CGJ3E2X7R1C333K	.033µF	16	10%				4000	
810-CGJ3E2X7R1E333K	CGJ3E2X7R1E333K	.033µF	25	10%				4000	
810-CGJ3E2X7R1H333K	CGJ3E2X7R1H333K	.033µF	50	10%				4000	
810-CGJ3E2X7R1C473K	CGJ3E2X7R1C473K	.047µF	16	10%				4000	
810-CGJ3E2X7R1E473K	CGJ3E2X7R1E473K	.047µF	25	10%				4000	
810-CGJ3E2X7R1H473K	CGJ3E2X7R1H473K	.047µF	50	10%				4000	
810-CGJ3E2X7R1C683K	CGJ3E2X7R1C683K	.068µF	16	10%				4000	
810-CGJ3E2X7R1E683K	CGJ3E2X7R1E683K	.068µF	25	10%				4000	
810-CGJ3E2X7R1H683K	CGJ3E2X7R1H683K	.068µF	50	10%				4000	
810-CGJ3E2X7R1C104K	CGJ3E2X7R1C104K	.1µF	16	10%				4000	
810-CGJ3E2X7R1E104K	CGJ3E2X7R1E104K	.1µF	25	10%				4000	
810-CGJ3E2X7R1H104K	CGJ3E2X7R1H104K	.1µF	50	10%				4000	
810-CGJ3E2X7R0J334K	CGJ3E2X7R0J334K	.33µF	6.3	10%				4000	
810-CGJ3E2X7R1A334K	CGJ3E2X7R1A334K	.33µF	10	10%				4000	
810-CGJ3E2X7R0J474K	CGJ3E2X7R0J474K	.47µF	6.3	10%				4000	
810-CGJ3E2X7R1A474K	CGJ3E2X7R1A474K	.47µF	10	10%				4000	
810-CGJ3E2X7R0J684K	CGJ3E2X7R0J684K	.68µF	6.3	10%				4000	
810-CGJ3E2X7R1A684K	CGJ3E2X7R1A684K	.68µF	10	10%				4000	
810-CGJ3E2X7R0J105K	CGJ3E2X7R0J105K	1µF	6.3	10%				4000	
810-CGJ3E2X7R1A105K	CGJ3E2X7R1A105K	1µF	10	10%				4000	

TDK Ceramic Chip Capacitors



NEW AT MOUSER

Ceramic Caps, SMD

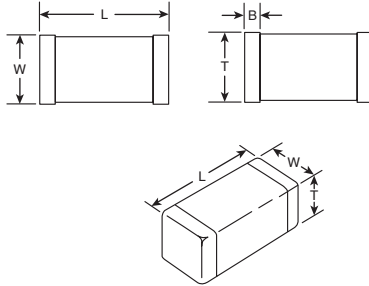
TDK

NEW AT MOUSER

NEW AT MOUSER

CGJ SERIES EXTENDED LIFE CAPACITORS (CONT.)

- Extended Life series capacitor featuring increased evaluation during manufacturing to promote longer life
- Life test performs at 2x rated voltage for 2000 hrs
- Reliability tests based on MIL-STD requirements
- Guaranteed TC Bias and Hot IR performance
- Anti-counterfeit/tamper-proof seal to assist in the identification of authentic TDK CGJ products
The condition of the seal also indicates if the product has been tampered with in the supply chain



Series	DIMENSIONS: mm		
	L Body Length	W Body Width	B Terminal Width
CGJ2	1.00	0.50	0.10
CGJ3	1.60	0.80	0.20
CGJ4	2.00	1.25	0.20
CGJ5	3.20	1.60	0.20

CGJ4 EIA (CC0805/JIS C2012)

CGJ4 EIA (CC0805/JIS C2012)

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
Temperature Coef: C0G									
810-CGJ4C2C0G1H681J	CGJ4C2C0G1H681J	680	50	5%				4000	
810-CGJ4C2C0G1H821J	CGJ4C2C0G1H821J	820	50	5%				4000	
810-CGJ4C2C0G1H102J	CGJ4C2C0G1H102J	1000	50	5%				4000	
810-CGJ4C2C0G1H122J	CGJ4C2C0G1H122J	1200	50	5%				4000	
810-CGJ4C2C0G1H152J	CGJ4C2C0G1H152J	1500	50	5%				4000	
810-CGJ4C2C0G1H182J	CGJ4C2C0G1H182J	1800	50	5%				4000	
810-CGJ4C2C0G1H222J	CGJ4C2C0G1H222J	2200	50	5%				4000	
810-CGJ4C2C0G1H272J	CGJ4C2C0G1H272J	2700	50	5%				4000	
810-CGJ4C2C0G1H332J	CGJ4C2C0G1H332J	3300	50	5%				4000	
810-CGJ4C2C0G1H392J	CGJ4C2C0G1H392J	3900	50	5%				4000	
810-CGJ4C2C0G1H472J	CGJ4C2C0G1H472J	4700	50	5%				4000	
810-CGJ4C2C0G1H562J	CGJ4C2C0G1H562J	5600	50	5%				4000	
810-CGJ4C2C0G1H682J	CGJ4C2C0G1H682J	6800	50	5%				4000	
810-CGJ4C2C0G1H822J	CGJ4C2C0G1H822J	8200	50	5%				4000	
810-CGJ4C2C0G1H103J	CGJ4C2C0G1H103J	.01µF	50	5%				4000	
810-CGJ4F2C0G1H153J	CGJ4F2C0G1H153J	.015µF	50	5%				4000	
810-CGJ4J2C0G1H223J	CGJ4J2C0G1H223J	.022µF	50	5%				4000	
810-CGJ4J2C0G1H333J	CGJ4J2C0G1H333J	.033µF	50	5%				2000	

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
Temperature Coef: X7R (Cont.)									
810-CGJ4J2X7R0J105K	CGJ4J2X7R0J105K	1µF	6.3	10%				2000	
810-CGJ4J2X7R1A105K	CGJ4J2X7R1A105K	1µF	10	10%				2000	
810-CGJ4J2X7R1C105K	CGJ4J2X7R1C105K	1µF	16	10%				2000	
810-CGJ4J2X7R1E105K	CGJ4J2X7R1E105K	1µF	25	10%				2000	
810-CGJ4J2X7R0J155K	CGJ4J2X7R0J155K	1.5µF	6.3	10%				2000	
810-CGJ4J2X7R1A155K	CGJ4J2X7R1A155K	1.5µF	10	10%				2000	
810-CGJ4J2X7R0J225K	CGJ4J2X7R0J225K	2.2µF	16	10%				2000	
810-CGJ4J2X7R1A225K	CGJ4J2X7R1A225K	2.2µF	25	10%				2000	
810-CGJ4J2X7R0J335K	CGJ4J2X7R0J335K	3.3µF	6.3	10%				2000	
810-CGJ4J2X7R1A335K	CGJ4J2X7R1A335K	3.3µF	10	10%				2000	
810-CGJ4J2X7R0J475K	CGJ4J2X7R0J475K	4.7µF	16	10%				2000	
810-CGJ4J2X7R1A475K	CGJ4J2X7R1A475K	4.7µF	25	10%				2000	

CGJ5 (EIA CC1206/JIS C3216)

For quantities greater than listed, call for quote.

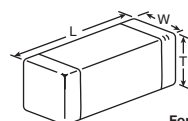
MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol. ±	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
Temperature Coef: C0G									
810-CGJ5L2C0G1H104J	CGJ5L2C0G1H104J	.1µF	50	5%				2000	
810-CGJ5L2C0G1H683J	CGJ5L2C0G1H683J	.068µF	50	5%				2000	
810-CGJ5H2C0G1H473J	CGJ5H2C0G1H473J	.047µF	50	5%				2000	
810-CGJ5F2C0G1H333J	CGJ5F2C0G1H333J	.033µF	50	5%				2000	
810-CGJ5C2C0G1H223J	CGJ5C2C0G1H223J	.022µF	50	5%				4000	
810-CGJ5C2C0G1H153J	CGJ5C2C0G1H153J	.015µF	50	5%				4000	
810-CGJ5C2C0G1H103J	CGJ5C2C0G1H103J	.01µF	50	5%				4000	
810-CGJ5C2C0G1H822J	CGJ5C2C0G1H822J	8200	50	5%				4000	
810-CGJ5C2C0G1H682J	CGJ5C2C0G1H682J	6800	50	5%				4000	
810-CGJ5C2C0G1H562J	CGJ5C2C0G1H562J	5600	50	5%				4000	
810-CGJ5C2C0G1H472J	CGJ5C2C0G1H472J	4700	50	5%				2000	
810-CGJ5C2C0G1H392J	CGJ5C2C0G1H392J	3900	50	5%				2000	
Temperature Coef: X7R									
810-CGJ5L2X7R0J106K	CGJ5L2X7R0J106K	10µF	6.3	10%				2000	
810-CGJ5L2X7R0J155K	CGJ5L2X7R0J155K	1.5µF	6.3	10%				2000	
810-CGJ5L2X7R0J225K	CGJ5L2X7R0J225K	2.2µF	6.3	10%				2000	
810-CGJ5L2X7R0J335K	CGJ5L2X7R0J335K	3.3µF	6.3	10%				2000	
810-CGJ5L2X7R0J475K	CGJ5L2X7R0J475K	4.7µF	6.3	10%				2000	
810-CGJ5L2X7R0J685K	CGJ5L2X7R0J685K	6.8µF	6.3	10%				2000	
810-CGJ5L2X7R1A106K	CGJ5L2X7R1A106K	10µF	10	10%				2000	
810-CGJ5L2X7R1A155K	CGJ5L2X7R1A155K	1.5µF	10	10%				2000	
810-CGJ5L2X7R1A225K	CGJ5L2X7R1A225K	2.2µF	10	10%				2000	
810-CGJ5L2X7R1A335K	CGJ5L2X7R1A335K	3.3µF	10	10%				2000	
810-CGJ5L2X7R1A475K	CGJ5L2X7R1A475K	4.7µF	10	10%				2000	
810-CGJ5L2X7R1A685K	CGJ5L2X7R1A685K	6.8µF	10	10%				2000	
810-CGJ5L2X7R1C155K	CGJ5L2X7R1C155K	1.5µF	16	10%				2000	
810-CGJ5L2X7R1C225K	CGJ5L2X7R1C225K	2.2µF	16	10%				2000	
810-CGJ5L2X7R1C335K	CGJ5L2X7R1C335K	3.3µF	16	10%				2000	
810-CGJ5L2X7R1C475K	CGJ5L2X7R1C475K	4.7µF	16	10%				2000	
810-CGJ5L2X7R1E155K	CGJ5L2X7R1E155K	1.5µF	25	10%				2000	
810-CGJ5L2X7R1E225K	CGJ5L2X7R1E225K	2.2µF	25	10%				2000	

TDK Ceramic Chip Capacitors



RoHS Compliant This product is RoHS compliant.

CGA SERIES AUTOMOTIVE GRADE CAPACITORS, SOFT TERMINATION



CGA4 (EIA CC0805/JIS C2012)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt. (DC)	Tol. ±	Dimensions (mm)			Price Each			Reel Qty.	Price Per Piece
					L	W	T	1	100	500		
Temperature Coef: X7R												
810-CGA4J3X7R2E103MS	CGA4J3X7R2E103M/SOFT	.01	250	20%	2.0	1.25	1.25				2000	
810-CGA4J3X7R2E223MS	CGA4J3X7R2E223M/SOFT	.022	250	20%	2.0	1.25	1.25				2000	
810-CGA4J3X7R1H474MS	CGA4J3X7R1H474M/SOFT	.47	50	20%	2.0	1.25	1.25				2000	
810-CGA4J3X7R1H105MS	CGA4J3X7R1H105M/SOFT	1	50	20%	2.0	1.25	1.25				2000	
810-CGA4J1X7R1V225MS	CGA4J1X7R1V225M/SOFT	2.2	35	20%	2.0	1.25	1.25				2000	
810-CGA4J3X7R1C475MS	CGA4J3X7R1C475M/SOFT	4.7	16	20%	2.0	1.25	1.25				2000	
Temperature Coef: X7S												
810-CGA4F3X7S2A224MS	CGA4F3X7S2A224M/SOFT	.22	100	20%	2.0	1.25	0.85				4000	
810-CGA4J3X7S2A474MS	CGA4J3X7S2A474M/SOFT	.47	100	20%	2.0	1.25	1.25				2000	
810-CGA4J3X7S2A105MS	CGA4J3X7S2A105M/SOFT	1	100	20%	2.0	1.25	1.25				2000	
Temperature Coef: X7T												
810-CGA4F4X7T2W103MS	CGA4F4X7T2W103M/SOFT	.01	450	20%	2.0	1.25	0.85				4000	
810-CGA4J4X7T2W223MS	CGA4J4X7T2W223M/SOFT	.022	450	20%	2.0	1.25	1.25				2000	
810-CGA4J3X7T2E473MS	CGA4J3X7T2E473M/SOFT	.047	250	20%	2.0	1.25	1.25				2000	
810-CGA4J4X7T2W473MS	CGA4J4X7T2W473M/SOFT	.047	450	20%	2.0	1.25	1.25				2000	
810-CGA4J3X7T2E104MS	CGA4J3X7T2E104M/SOFT	.1	250	20%	2.0	1.25	1.25				2000	

CGA5 (EIA CC1206/JIS C3216)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt. (DC)	Tol. ±	Dimensions (mm)			Price Each			Reel Qty.	Price Per Piece
					L	W	T	1	100	500		
Temperature Coef: X7R												
810-CGA5H4X7R2J103MS	CGA5H4X7R2J103M/SOFT	.01	630	20%	3.2	1.6	1.15				2000	
810-CGA5K4X7R2J223MS	CGA5K4X7R2J223M/SOFT	.022	630	20%	3.2	1.6	1.3				2000	
810-CGA5L3X7R2E104MS	CGA5L3X7R2E104M/SOFT	.1	250	20%	3.2	1.6	1.6				2000	
810-CGA5L2X7R2A474MS	CGA5L2X7R2A474M/SOFT	.47	100	20%	3.2	1.6	1.6				2000	
810-CGA5L3X7R1H105MS	CGA5L3X7R1H105M/SOFT	1	50	20%	3.2	1.6	1.6				2000	
810-CGA5L2X7R2A105MS	CGA5L2X7R2A105M/SOFT	1	100	20%	3.2	1.6	1.6				2000	
810-CGA5L3X7R1H225MS	CGA5L3X7R1H225M/SOFT	2.2	50	20%	3.2	1.6	1.6				2000	
810-CGA5L1X7R1V475MS	CGA5L1X7R1V475M/SOFT	4.7	35	20%	3.2	1.6	1.6				2000	
810-CGA5L1X7R1E106MS	CGA5L1X7R1E106M/SOFT	10	25	20%	3.2	1.6	1.6				2000	
Temperature Coef: X7S												
810-CGA5L3X7S2A225MS	CGA5L3X7S2A225M/SOFT	2.2	100	20%	3.2	1.6	1.6				2000	
Temperature Coef: X7T												
810-CGA5L1X7T2J473MS	CGA5L1X7T2J473M/SOFT	.047	630	20%	3.2	1.6	1.6				2000	
810-CGA5L4X7T2W104MS	CGA5L4X7T2W104M/SOFT	.1	450	20%	3.2	1.6	1.6				2000	
810-CGA5L3X7T2E224MS	CGA5L3X7T2E224M/SOFT	.22	250	20%	3.2	1.6	1.6				2000	

CGA6 (EIA CC1210/JIS C3225)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt. (DC)	Tol. ±	Dimensions (mm)			Price Each			Reel Qty.	Price Per Piece
					L	W	T	1	100	500		
Temperature Coef: X7R												
810-CGA6M4X7R2J473MS	CGA6M4X7R2J473M/SOFT	.047	630	20%	3.2	2.5	2.0				1000	
810-CGA6M3X7R2E104MS	CGA6M3X7R2E104M/SOFT	.1	250	20%	3.2	2.5	2.0				1000	
810-CGA6M3X7R2E224MS	CGA6M3X7R2E224M/SOFT	.22	250	20%	3.2	2.5	2.0				1000	
810-CGA6N3X7R2A225MS	CGA6N3X7R2A225M/SOFT	2.2	100	20%	3.2	2.5	2.3				1000	
Temperature Coef: X7S												
810-CGA6N3X7S1H475MS	CGA6N3X7S1H475M/SOFT	4.7	50	20%	3.2	2.5	2.3				1000	
810-CGA6M3X7S2A475MS	CGA6M3X7S2A475M/SOFT	4.7	100	20%	3.2	2.5	2.0				1000	
810-CGA6P3X7S1H106MS	CGA6P3X7S1H106M/SOFT	10	50	20%	3.2	2.5	2.5				1000	
810-CGA5L3X7S2A225MS	CGA5L3X7S2A225M/SOFT	2.2	100	20%	3.2	1.6	1.6				2000	
Temperature Coef: X7T												
810-CGA6L1X7T2J104MS	CGA6L1X7T2J104M/SOFT	.1	630	20%	3.2	2.5	1.6				2000	
810-CGA6M4X7T2W224MS	CGA6M4X7T2W224M/SOFT	.22	450	20%	3.2	2.5	2.0				1000	

CGA8 (EIA CC1812/JIS C4532)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt. (DC)	Tol. ±	Dimensions (mm)			Price Each			Reel Qty.	Price Per Piece
					L	W	T	1	100	500		
Temperature Coef: X7R												
810-CGA8N3X7R2E474MS	CGA8N3X7R2E474M/SOFT	.47	250	20%	4.5	3.2	2.3				1000	
Temperature Coef: X7T												
810-CGA8M1X7T2J224MS	CGA8M1X7T2J224M/SOFT	.22	630	20%	4.5	3.2	2.0				500	
810-CGA8N4X7T2W474MS	CGA8N4X7T2W474M/SOFT	.47	450	20%	4.5	3.2	2.3				500	
810-CGA8P3X7T2E105MS	CGA8P3X7T2E105M/SOFT	1	250	20%	4.5	3.2	2.5				500	

CGA9 (EIA CC2220/JIS C5750)

For quantities greater than listed, call for quote.

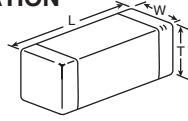
MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt. (DC)	Tol. ±	Dimensions (mm)			Price Each			Reel Qty.	Price Per Piece
					L	W	T	1	100	500		
Temperature Coef: X7R												
810-CGA9N3X7R2E105MS	CGA9N3X7R2E105M/SOFT	1	250	20%	5.7	5.0	2.3				500	
Temperature Coef: X7S												
810-CGA9N3X7S2A106MS	CGA9N3X7S2A106M/SOFT	10	100	20%	5.7	5.0	2.3				500	
Temperature Coef: X7T												
810-CGA9P1X7T2J474MS	CGA9P1X7T2J474M/SOFT	.47	630	20%	5.7	5.0	2.5				500	
810-CGA9P3X7T2E225MS	CGA9P3X7T2E225M/SOFT	2.2	250	20%	5.7	5.0	2.5				500	
810-CGA9P4X7T2W105MS	CGA9P4X7T2W105M/SOFT	1	450	20%	5.7	5.0	2.5				500	

CEU SERIES AUTOMOTIVE SAFETY DESIGN TYPE CAPACITORS, SOFT TERMINATION

CEU3 (EIA CC0603/JIS C1608)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (pF)	Volt. (DC)	Tol. ±	Dim. (mm)	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
Temperature Coef: X7R									
810-CEU4J2X7R1H104K	0.1µF	50	10%	1.25				2000	
810-CEU3E2X7R1H473K	.047µF	50	10%	0.8				4000	
810-CEU3E2X7R1H333K	.033µF	50	10%	0.8				4000	
810-CEU3E2X7R1H223K	.022µF	50	10%	0.8				4000	
810-CEU3E2X7R1H153K	.015µF	50	10%	0.8				4000	
810-CEU3E2X7R1H103K	.01µF	50	10%	0.8				4000	
810-CEU3E2X7R1H682K	6800	50	10%	0.8				4000	
810-CEU3E2X7R1H472K	4700	50	10%	0.8				4000	
810-CEU3E2X7R2A332K	3300	100	10%	0.8				4000	
810-CEU3E2X7R2A222K	2200	100	10%	0.8				4000	
810-CEU3E2X7R2A152K	1500	100	10%	0.8				4000	
810-CEU3E2X7R2A102K	1000	100	10%	0.8				4000	



	L	W
CEU3	1.6	0.8
CEU4	2.0	1.25

CEU4 (EIA CC0805/JIS C2012)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Volt. (DC)	Tol. ±	Dim. (mm)	Price Each			Reel Qty.	Price Per Piece
					1	100	500		
Temperature Coef: X7R									
810-CEU4J2X7R1H223K	.022	50	10%	1.25				2000	
810-CEU4J2X7R1H333K	.033	50	10%	1.25				2000	
810-CEU4J2X7R1H473K	.047	50	10%	1.25				2000	
810-CEU4J2X7R1H683K	.068	50	10%	1.25				2000	
810-CEU4J2X7R2A153K	.015	100	10%	1.25				2000	
810-CEU4J2X7R2A103K	.01	100	10%	1.25				2000	

TDK MLCC Ceramic Capacitors

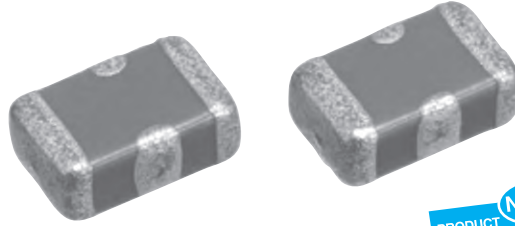


RoHS compliant. This product is RoHS compliant.

CKD SERIES - 3-TERMINAL FEED THROUGH CAPACITORS

Features:

- These small low-cost filters are used for meeting EMC requirements
- Can be used up to even higher frequencies due to low parasitic inductance
- Optimized for use as a noise bypass capacitors for signal and power source circuits



Applications:

- For digital and analog signal line noise bypassing signal line

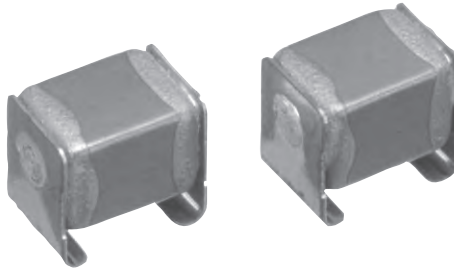
PRODUCT **NEW**

MOUSER STOCK NO.	TDK Part No.	Fig.	Value (pF)	Voltage	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
						1	100	500		
CKD110JB Type										
810-CKD110JB1E223S	CKD110JB1E223S	A	.022µF	25	+50,-20				4000	
810-CKD110JB1E104S	CKD110JB1E104S	A	.1µF	25	+50,-20				4000	
810-CKD110JB1E101S	CKD110JB1E101S	A	100	25	+50,-20				4000	
810-CKD110JB1E221S	CKD110JB1E221S	A	220	25	+50,-20				4000	
810-CKD110JB1E102S	CKD110JB1E102S	A	1000	25	+50,-20				4000	
CKD310JB Type										
810-CKD310JB1C104S	CKD310JB1C104S	A	.1µF	16	+50,-10				2000	
810-CKD310JB1C224S	CKD310JB1C224S	A	.22µF	16	+50,-10				2000	
810-CKD310JB1C105S	CKD310JB1C105S	A	1.0µF	16	+50,-10				2000	
CKD510JB Type										
810-CKD510JB1E103S	CKD510JB1E103S	A	.01µF	25	+50,-20				4000	
810-CKD510JB1E223S	CKD510JB1E223S	A	.022µF	25	+50,-20				4000	
810-CKD510JB1E104S	CKD510JB1E104S	A	.1µF	25	+50,-20				4000	
810-CKD510JB1A105S	CKD510JB1A105S	A	1.0µF	10	+50,-10				4000	
810-CKD510JB1H220S	CKD510JB1H220S	A	22	50	+50,-20				4000	
810-CKD510JB1H470S	CKD510JB1H470S	A	47	50	+50,-20				4000	
810-CKD510JB1H101S	CKD510JB1H101S	A	100	50	+50,-20				4000	
810-CKD510JB1H221S	CKD510JB1H221S	A	220	50	+50,-20				4000	
810-CKD510JB1H471S	CKD510JB1H471S	A	470	50	+50,-20				4000	
810-CKD510JB1H102S	CKD510JB1H102S	A	1000	50	+50,-20				4000	
810-CKD510JB1H222S	CKD510JB1H222S	A	2200	50	+50,-20				4000	
810-CKD510JB1H472S	CKD510JB1H472S	A	4700	50	+50,-20				4000	
CKD610JB Type										
810-CKD610JB0J105S	CKD610JB0J105S	A	1.0µF	6.3	+50,-20				4000	
810-CKD610JB0J225S	CKD610JB0J225S	A	2.2µF	6.3	+50,-20				4000	
CKD61BJB Type										
810-CKD61BJB0J474S	CKD61BJB0J474S	B	.47µF	6.3	+50,-20				4000	
CKD710JB Type										
810-CKD710JB1C104S	CKD710JB1C104S	A	0.10µF	16	20				10000	
810-CKD710JB1A224S	CKD710JB1A224S	A	0.22µF	10	20				10000	
810-CKD710JB0J474S	CKD710JB0J474S	A	0.47µF	6.3	20				10000	
810-CKD710JB0G105S	CKD710JB0G105S	A	1µF	4	20				10000	

CKG SERIES - 2-CHIP PILED CAPACITORS

Features:

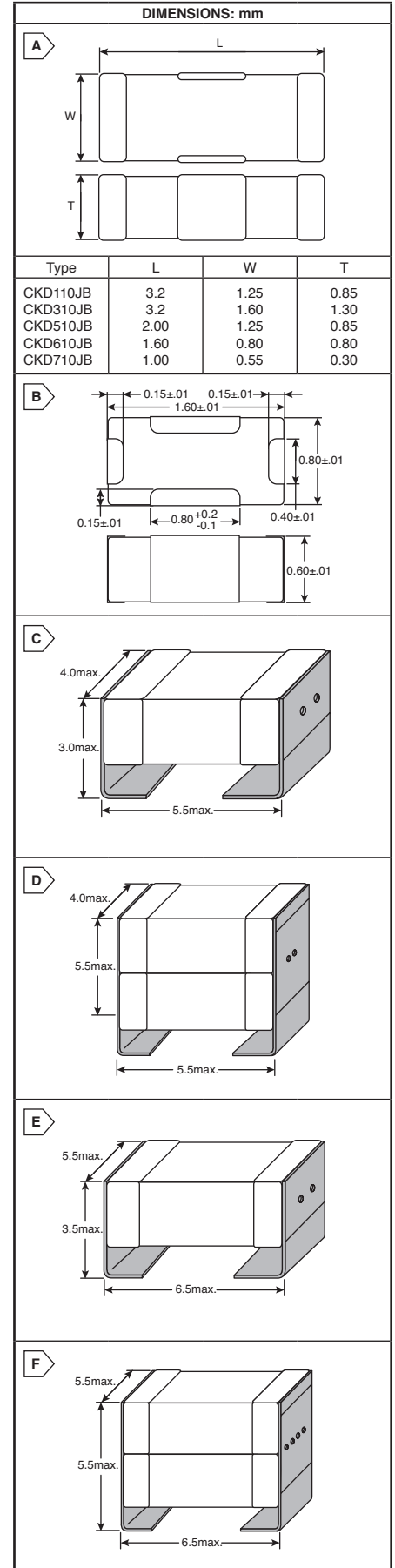
- No polarity
- Twice the capacitance is obtainable on a single capacitor space.
- Unique construction provides high reliability
- The metal caps absorbs stress from thermal and mechanical shocks, ensuring excellent performance on aluminum circuit substrates
- Low ESR and ESL promises excellent characteristics for high frequency switching power supply



Applications:

- Smoothing circuits.
- Temperature variable applications.
- Maintenance free power supplies.
- DC to DC converters.
- Automotive applications.

MOUSER STOCK NO.	TDK Part No.	Fig.	Value (µF)	Voltage	Tol. (%)	Temp. Coef	Price Each			Reel Qty.	Price Per Piece
							1	100	500		
CKG45K Type											
810-CKG45KX7S2A475M	CKG45KX7S2A475M	C	4.7	100	20	X7S				1000	
CKG45N Type											
810-CKG45NX7R2E105M	CKG45NX7R2E105M	D	1	250	20	X7R				1000	
810-CKG45NX7S2A106M	CKG45NX7S2A106M	D	10	100	20	X7S				1000	
810-CKG45NX5R1H106M	CKG45NX5R1H106M	D	10	50	20	X5R				1000	
CKG57K Type											
810-CKG57KX7R1C476M	CKG57KX7R1C476M	E	47	16	20	X7R				1000	
810-CKG57KX7S2A106M	CKG57KX7S2A106M	E	10	100	20	X7S				1000	
CKG57N Type											
810-CKG57NX7R2J474M	CKG57NX7R2J474M	F	.47	630	20	X7R				1000	
810-CKG57NX7R2E225M	CKG57NX7R2E225M	F	2.2	250	20	X7R				1000	
810-CKG57NX7R2A475M	CKG57NX7R2A475M	F	4.7	100	20	X7R				1000	
810-CKG57NX7R1H106M	CKG57NX7R1H106M	F	10	50	20	X7R				1000	
810-CKG57NX7R2A106M	CKG57NX7R2A106M	F	10	100	20	X7R				1000	
810-CKG57NX5R1H226M	CKG57NX5R1H226M	F	22	50	20	X5R				1000	
810-CKG57NX7S2A226M	CKG57NX7S2A226M	F	22	100	20	X7S				1000	
810-CKG57NX5R1E476M	CKG57NX5R1E476M	F	47	25	20	X5R				1000	
810-CKG57NX5R1C107M	CKG57NX5R1C107M	F	100	16	20	X5R				1000	



Ceramic Caps, SMD

TDK

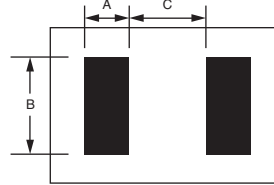
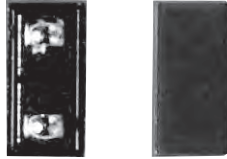
VISHAY Silicon and VJ HVArc Guard® Capacitors



VISHAY ELECTRO-FILMS THIN FILM SMD SILICON CAPACITOR

- Features:**
- Industries highest SRF
 - Low DCR, high Q
 - Small size: 0.040"x0.020"x0.015"

- Applications:**
- Lumped element filters
 - Impedance matching circuits
 - decoupling and DC blocking



DIMENSIONS: in.	
Value Range	0.2 to 27
A	8
B	14
C	18

Ceramic Caps, SMD

Vishay

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Cap Value (pF)	Volt.	Temp. Coef.	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Style 0402										
	75-RFCS04022200BJTT1	22	10	30	5				1000	
	75-RFCS04022700BJTT1	27	10	30	5				1000	
	75-RFCS04021200BJTT1	12	16	30	5				1000	
	75-RFCS04021500BJTT1	15	16	30	5				1000	
	75-RFCS04021800BJTT1	18	16	30	5				1000	
	75-RFCS04023300CJTT1	3.3	25	30	5				1000	
	75-RFCS04023900CJTT1	3.9	25	30	5				1000	
	75-RFCS04024700CJTT1	4.7	25	30	5				1000	
	75-RFCS04025600CJTT1	5.6	25	30	5				1000	
	75-RFCS04026800CJTT1	6.8	25	30	5				1000	
	75-RFCS04028200CJTT1	8.2	25	30	5				1000	
	75-RFCS04021000BJTT1	10	25	30	5				1000	
	75-RFCS04022000DBTT1	0.2	50	30	0.1				1000	

For quantities greater than listed, call for quote.

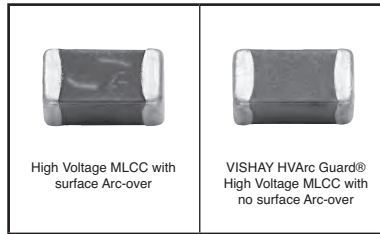
MOUSER STOCK NO.		Cap Value (pF)	Volt.	Temp. Coef.	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Style 0402 (CONT.)										
	75-RFCS04023000DBTT1	0.3	50	30	0.1				1000	
	75-RFCS04024000DBTT1	0.4	50	30	0.1				1000	
	75-RFCS04025000DBTT1	0.5	50	30	0.1				1000	
	75-RFCS04026000DBTT1	0.6	50	30	0.1				1000	
	75-RFCS04027000DBTT1	0.7	50	30	0.1				1000	
	75-RFCS04028000DBTT1	0.8	50	30	0.1				1000	
	75-RFCS04029000DBTT1	0.9	50	30	0.1				1000	
	75-RFCS04021000CBTT1	1	50	30	0.1				1000	
	75-RFCS04021200CBTT1	1.2	50	30	0.1				1000	
	75-RFCS04021500CBTT1	1.5	50	30	0.1				1000	
	75-RFCS04021800CBTT1	1.8	50	30	0.1				1000	
	75-RFCS04022200CJTT1	2.2	50	30	5				1000	
	75-RFCS04022700CJTT1	2.7	50	30	5				1000	

VJ HVARC GUARD® SERIES

- Features:**
- Surface-mountable, multilayer ceramic capacitors, that protect against surface arc-over
 - Higher capacitors and smaller case sizes that save board space, as compared to standard high voltage MLCCs
 - Voltage breakdowns are twice that of some competitor products
 - Excellent reliability and high voltage performance

- Specifications:**
- Operating Temperature: -55°C to +125°C
 - Temperature Coefficient of Capacitance (TCC): X7R Style: ≤ 15% from -55°C to +125°C, with 0VDC applied
C0G (NP0) Style: 0 ±30ppm/°C from -55°C to +125°C

- Applications:**
- DC-to-DC converters (Buck and Boost)
 - Voltage multipliers for flyback converters
 - Lighting ballast circuits
 - Power supplies



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Cap Value (pF)	Volt.	Temp. Coef.	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Style 0805										
	77-VJ0805A100JXGAT5Z	10	1000	C0G	5				3000	
	77-VJ0805A220JXGAT5Z	22	1000	C0G	5				3000	
	77-VJ0805A221JXGAT5Z	220	1000	C0G	5				3000	
	77-VJ0805A470JXRAT5Z	47	1500	C0G	5				3000	
Style 1206										
	77-VJ1206A100JXGAT5Z	10	1000	C0G	5				2500	
	77-VJ1206A220JXGAT5Z	22	1000	C0G	5				2500	
	77-VJ1206A470JXGAT5Z	47	1000	C0G	5				2500	
	77-VJ1206A101JXGAT5Z	100	1000	C0G	5				2500	
	77-VJ1206A221JXGAT5Z	220	1000	C0G	5				2500	
	77-VJ1206A471JXGAT5Z	470	1000	C0G	5				2500	
	77-VJ1206A152JXGAT5Z	1500	1000	C0G	5				2500	
	77-VJ1206A102JXRAT5Z	1000	1500	C0G	5				2500	
Style 1210										
	77-VJ1210A100JXGAT5Z	10	1000	C0G	5				2500	
	77-VJ1210A220JXGAT5Z	22	1000	C0G	5				2500	
	77-VJ1210A470JXGAT5Z	47	1000	C0G	5				2500	
	77-VJ1210A101JXGAT5Z	100	1000	C0G	5				2500	
	77-VJ1210A471JXGAT5Z	470	1000	C0G	5				2500	
	77-VJ1210A102JXGAT5Z	1000	1000	C0G	5				2500	
	77-VJ1210A222JXGAT5Z	2200	1000	C0G	5				2500	
	77-VJ1210A471JXRAT5Z	470	1500	C0G	5				2500	
	77-VJ1210A102JXRAT5Z	1000	1500	C0G	5				2500	
Style 1206										
	77-VJ1206Y221KXEAT5Z	220	500	X7R	10				2500	
	77-VJ1206Y471KXEAT5Z	470	500	X7R	10				2500	
	77-VJ1206Y102KXEAT5Z	1000	500	X7R	10				2500	
	77-VJ1206Y222KXEAT5Z	2200	500	X7R	10				2500	
	77-VJ1206Y472KXEAT5Z	4700	500	X7R	10				2500	
	77-VJ1206Y223KXEAT5Z	.022uF	500	X7R	10				2500	
	77-VJ1206Y473KXEAT5Z	.047uF	500	X7R	10				2500	
	77-VJ1206Y103KXEAT5Z	.01uF	500	X7R	10				2500	
	77-VJ1206Y102MXLAT5Z	1000	630	X7R	20				2500	
	77-VJ1206Y221KXGAT5Z	220	1000	X7R	10				2500	
	77-VJ1206Y471KXGAT5Z	470	1000	X7R	10				2500	
	77-VJ1206Y102KXGAT5Z	1000	1000	X7R	10				3000	
	77-VJ1206Y472KXGAT5Z	4700	1000	X7R	10				3000	
	77-VJ1206Y223KXGAT5Z	.022uF	1000	X7R	10				2500	
	77-VJ1206Y103KXGAT5Z	.01uF	1000	X7R	10				3000	

For quantities greater than listed, call for quote.

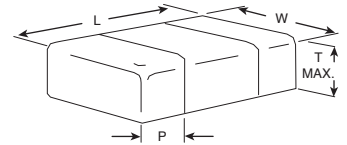
MOUSER STOCK NO.		Cap Value (pF)	Volt.	Temp. Coef.	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100	500		
Style 1210										
	77-VJ1210Y221KXEAT5Z	220	500	X7R	10				2500	
	77-VJ1210Y471KXEAT5Z	470	500	X7R	10				2500	
	77-VJ1210Y102KXEAT5Z	1000	500	X7R	10				2500	
	77-VJ1210Y222KXEAT5Z	2200	500	X7R	10				2500	
	77-VJ1210Y472KXEAT5Z	4700	500	X7R	10				2500	
	77-VJ1210Y223KXEAT5Z	.022uF	500	X7R	10				2500	
	77-VJ1210Y473KXEAT5Z	.047uF	500	X7R	10				2500	
	77-VJ1210Y103KXEAT5Z	.01uF	500	X7R	10				2500	
	77-VJ1210Y682KXLAT5Z	6800	630	X7R	10				2500	
	77-VJ1210Y221KXGAT5Z	220	1000	X7R	10				2500	
	77-VJ1210Y471KXGAT5Z	470	1000	X7R	10				2500	
	77-VJ1210Y102KXGAT5Z	1000	1000	X7R	10				2500	
	77-VJ1210Y222KXGAT5Z	2200	1000	X7R	10				2500	
	77-VJ1210Y472KXGAT5Z	4700	1000	X7R	10				2500	
	77-VJ1210Y223KXGAT5Z	.022uF	1000	X7R	10				2500	
	77-VJ1210Y473KXGAT5Z	.047uF	1000	X7R	10				2500	
	77-VJ1210Y103KXGAT5Z	.01uF	1000	X7R	10				2500	
Style 1808										
	77-VJ1808Y222KXPAT5Z	2200	250	X7R	10				2500	
	77-VJ1808Y104KXPAT5Z	.1uF	250	X7R	10				2000	
	77-VJ1808Y220KXEAT5Z	220	500	X7R	10				2000	
	77-VJ1808Y471KXEAT5Z	470	500	X7R	10				2000	
	77-VJ1808Y102KXEAT5Z	1000	500	X7R	10				2000	
	77-VJ1808Y222KXEAT5Z	2200	500	X7R	10				2500	
	77-VJ1808Y472KXEAT5Z	4700	500	X7R	10				2500	
	77-VJ1808Y223KXEAT5Z	.022uF	500	X7R	10				2500	
	77-VJ1808Y473KXEAT5Z	.047uF	500	X7R	10				2000	
	77-VJ1808Y103KXEAT5Z	.01uF	500	X7R	10				2500	
Style 1812										
	77-VJ1812Y153KXPAT5Z	.015uF	250	X7R	10				1000	
	77-VJ1812Y224KXPAT5Z	.22uF	250	X7R	10				1000	
	77-VJ1812Y221KXEAT5Z	220	500	X7R	10				1000	
	77-VJ1812Y471KXEAT5Z	470	500	X7R	10				1000	
	77-VJ1812Y102KXEAT5Z	1000	500	X7R	10				1000	
	77-VJ1812Y152KXEAT5Z	1500	500	X7R	10				1000	
	77-VJ1812Y222KXEAT5Z	2200	500	X7R	10				1000	
	77-VJ1812Y473KXEAT5Z	.047uF	500	X7R	10				1000	
	77-VJ1812Y103KXEAT5Z	.01uF	500	X7R	10				1000	
	77-VJ1812Y104KXEAT5Z	.1uF	500	X7R	10				1000	

VISHAY/VITRAMON SMD Automotive MLCC



NEW AT MOUSER

VJ SERIES AUTOMOTIVE GRADE CAPACITORS



DIMENSIONS: in. (mm)

Features:

- High operating temperature
- Wet build process
- Reliable Noble Metal Electrode (NME) system
- Halogen-free according to IEC 61249-2-21 definition

Specifications:

- Operating temperature range: -55°C to +150°C
- Temperature Coefficient of Capacitance (TCC):
C0G Style: 0 ppm/°C ± 30 ppm/°C from -55°C to +125°C
X7R Style: ± 15% from -55°C to +125°C, with 0 VDC applied

Applications:

- Automotive "under the hood"
- Safety and comfort electronics

EIA Code	Style	Length (L)	Width (W)	Maximum Thickness (T)	Terminations Pad (P)	
					Minimum	Maximum
0402	VJ0402	0.040±0.004/-0.002 (1.00±0.10/-0.05)	0.020±0.004/-0.002 (0.50±0.10/-0.005)	0.024 (0.60)	0.004 (0.10)	0.016 (0.41)
0603	VJ0603	0.063±0.005 (1.60±0.12)	0.031±0.005 (0.80±0.12)	0.038 (0.97)	0.012 (0.30)	0.018 (0.46)
0808	VJ0805	0.079±0.008 (2.00±0.20)	0.049±0.008 (1.25±0.20)	0.057 (1.45)	0.010 (0.25)	0.028 (0.71)
1206	VJ1206	0.126±0.008 (3.20±0.25)	0.063±0.010 (1.60±0.25)	0.067 (1.70)	0.010 (0.25)	0.028 (0.71)
1210	VJ1210	0.126±0.010 (3.20±0.25)	0.098±0.010 (2.50±0.25)	0.076 (1.94)	0.010 (0.25)	0.028 (0.71)

Note: Polymer (B-termination) have increased dimensions: Length 0.006" (0.15 mm)

Standard

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Cap Value	Voltage	T.C.	Tol. (%)	Price Each			Reel Quantity	Price Per Piece
						1	100	500		
Style 0402										
77-VJ0402Y103KXJAC31	VJ0402Y103KXJAC31	0.01uF	16	X7R	10				5000	
Style 0603										
77-VJ0603A100KXBAC31	VJ0603A100KXBAC31	10pF	100	C0G	10				4000	
77-VJ0603A101KXBAC31	VJ0603A101KXBAC31	100pF	100	C0G	10				4000	
77-VJ0603Y102KXAAAC31	VJ0603Y102KXAAAC31	1000pF	50	X7R	10				4000	
77-VJ0603Y102KXBBAC31	VJ0603Y102KXBBAC31	1000pF	100	X7R	10				4000	
77-VJ0603Y222KXBBAC31	VJ0603Y222KXBBAC31	2200pF	100	X7R	10				4000	
77-VJ0603Y222KXCAC31	VJ0603Y222KXCAC31	2200pF	200	X7R	10				4000	
77-VJ0603Y472KXBBAC31	VJ0603Y472KXBBAC31	4700pF	100	X7R	10				4000	
77-VJ0603Y223KXAC31	VJ0603Y223KXAC31	.022uF	25	X7R	10				4000	
77-VJ0603Y103KXAAAC31	VJ0603Y103KXAAAC31	.01uF	50	X7R	10				4000	
77-VJ0603Y103MXBAC31	VJ0603Y103MXBAC31	.01uF	100	X7R	20				4000	
Style 0805										
77-VJ0805A471KXBBC31	VJ0805A471KXBBC31	470pF	100	C0G	10				3000	
77-VJ0805A102JXBBC31	VJ0805A102JXBBC31	1000pF	100	C0G	5				3000	
77-VJ0805Y102KXABC31	VJ0805Y102KXABC31	1000pF	50	X7R	10				3000	
77-VJ0805Y102KXBBBC31	VJ0805Y102KXBBBC31	1000pF	100	X7R	10				3000	
77-VJ0805Y222KXBBBC31	VJ0805Y222KXBBBC31	2200pF	100	X7R	10				3000	
77-VJ0805Y472KXBBBC31	VJ0805Y472KXBBBC31	4700pF	100	X7R	10				3000	
77-VJ0805Y223KXBBBC31	VJ0805Y223KXBBBC31	.022uF	100	X7R	10				3000	
77-VJ0805Y473KXABC31	VJ0805Y473KXABC31	.047uF	50	X7R	10				3000	
77-VJ0805Y103KXBBBC31	VJ0805Y103KXBBBC31	.01uF	100	X7R	10				3000	
77-VJ0805Y104KXABE31	VJ0805Y104KXABE31	.1uF	50	X7R	10				3000	

Flexible Termination

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Cap Value	Voltage	T.C.	Tol. (%)	Price Each			Reel Quantity	Price Per Piece
						1	100	500		
Style 0805										
77-VJ0805A471KBBBC31	VJ0805A471KBBBC31	470pF	100	C0G	10				3000	
77-VJ0805A102JBBBC31	VJ0805A102JBBBC31	1000pF	100	C0G	5				3000	
77-VJ0805Y102KBABC31	VJ0805Y102KBABC31	1000pF	50	X7R	10				3000	
77-VJ0805Y102KBBBC31	VJ0805Y102KBBBC31	1000pF	100	X7R	10				3000	
77-VJ0805A152FBBBE31	VJ0805A152FBBBE31	1500pF	100	C0G	1				3000	
77-VJ0805Y472KBBBC31	VJ0805Y472KBBBC31	4700pF	100	X7R	10				3000	
77-VJ0805Y223KBBBC31	VJ0805Y223KBBBC31	.022uF	100	X7R	10				3000	
77-VJ0805Y333KBABC31	VJ0805Y333KBABC31	.033uF	50	X7R	10				3000	
77-VJ0805Y473KBABE31	VJ0805Y473KBABE31	.047uF	50	X7R	10				3000	
77-VJ0805Y103KBBBC31	VJ0805Y103KBBBC31	.01uF	100	X7R	10				3000	
77-VJ0805Y104KBABE31	VJ0805Y104KBABE31	.1uF	50	X7R	10				3000	
Style 1206										
77-VJ1206A471KBEBE31	VJ1206A471KBEBE31	470pF	500	C0G	10				3000	
77-VJ1206A682GBBBE31	VJ1206A682GBBBE31	6800pF	100	C0G	2				2500	
77-VJ1206Y103KBBBC31	VJ1206Y103KBBBC31	.01uF	100	X7R	10				3000	
77-VJ1206Y474KBXBE31	VJ1206Y474KBXBE31	.47uF	25	X7R	10				3000	
77-VJ1206Y104KBBBE31	VJ1206Y104KBBBE31	.1uF	100	X7R	10				3000	
Style 1210										
77-VJ1210Y474KBAAE31	VJ1210Y474KBAAE31	.47uF	50	X7R	10				3000	
77-VJ1210Y104KBBAE31	VJ1210Y104KBBAE31	.1uF	100	X7R	10				2500	

Ceramic Caps, SMD Vishay

NEW AT MOUSER

NEW AT MOUSER

VISHAY/VITRAMON VJ SMD MLCCs



This product is RoHS compliant.



VJ SERIES CONTROLLED DISCHARGE CAPACITORS

With Integrated Resistor For High Pulse Current Applications



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Cap Value (pF)	Voltage	Temperature Coef.	Tol. (%)	Price Each			Reel Quantity	Price Per Piece
						1	50	100		
Style 3040										
77-VJ3040Y224KXGAT8R	VJ3040Y224KXGAT8R	0.22	1000	X7R	10				500	
Style 3640										
77-VJ3640Y334KXGAT8R	VJ3640Y334KXGAT8R	0.33	1000	X7R	10				500	
Style 4044										
77-VJ4044Y564KXGAT8R	VJ4044Y564KXGAT8R	0.56	1000	X7R	10				300	

VJ SERIES NON-MAGNETIC TYPE CAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Cap Value (pF)	Voltage	Temperature Coef.	Tol. (%)	Price Each			Reel Quantity	Price Per Piece
						1	100	500		
Style 0402										
77-VJ0402A1R2CNAAJ	VJ0402A1R2CNAAJ	1.2	50	COG	0.25pF				1000	
77-VJ0402A1R5CNAAJ	VJ0402A1R5CNAAJ	1.5	50	COG	0.25pF				1000	
77-VJ0402A1R8CNAAJ	VJ0402A1R8CNAAJ	1.8	50	COG	0.25pF				1000	
77-VJ0402A2R2CNAAJ	VJ0402A2R2CNAAJ	2.2	50	COG	0.25pF				1000	
77-VJ0402A2R7CNAAJ	VJ0402A2R7CNAAJ	2.7	50	COG	0.25pF				1000	
77-VJ0402A4R7CNAAJ	VJ0402A4R7CNAAJ	4.7	50	COG	0.25pF				1000	
77-VJ0402A3R3CNAAJ	VJ0402A3R3CNAAJ	3.3	50	COG	0.25pF				1000	
77-VJ0402A3R9CNAAJ	VJ0402A3R9CNAAJ	3.9	50	COG	0.25pF				1000	
77-VJ0402A5R6CNAAJ	VJ0402A5R6CNAAJ	5.6	50	COG	0.25pF				1000	
77-VJ0402A6R8CNAAJ	VJ0402A6R8CNAAJ	6.8	50	COG	0.25pF				1000	
77-VJ0402A8R2CNAAJ	VJ0402A8R2CNAAJ	8.2	50	COG	0.25pF				1000	
77-VJ0402A1R0CNAAJ	VJ0402A1R0CNAAJ	1	50	COG	0.25pF				1000	
77-VJ0402A100JNAAJ	VJ0402A100JNAAJ	10	50	COG	5				1000	
77-VJ0402A120JNAAJ	VJ0402A120JNAAJ	12	50	COG	5				1000	
77-VJ0402A150JNAAJ	VJ0402A150JNAAJ	15	50	COG	5				1000	
77-VJ0402A180JNAAJ	VJ0402A180JNAAJ	18	50	COG	5				1000	
77-VJ0402A220JNAAJ	VJ0402A220JNAAJ	22	50	COG	5				1000	
77-VJ0402A270JNAAJ	VJ0402A270JNAAJ	27	50	COG	5				1000	
77-VJ0402A330JNAAJ	VJ0402A330JNAAJ	33	50	COG	5				1000	
77-VJ0402A390JNAAJ	VJ0402A390JNAAJ	39	50	COG	5				1000	
77-VJ0402A470JNAAJ	VJ0402A470JNAAJ	47	50	COG	5				1000	
77-VJ0402A560JNAAJ	VJ0402A560JNAAJ	56	50	COG	5				1000	
77-VJ0402A680JNAAJ	VJ0402A680JNAAJ	68	50	COG	5				1000	
77-VJ0402A820JNAAJ	VJ0402A820JNAAJ	82	50	COG	5				1000	
77-VJ0402A101JNAAJ	VJ0402A101JNAAJ	100	50	COG	5				1000	
77-VJ0402A121JNAAJ	VJ0402A121JNAAJ	120	50	COG	5				1000	
77-VJ0402A151JNAAJ	VJ0402A151JNAAJ	150	50	COG	5				1000	
77-VJ0402A181JNAAJ	VJ0402A181JNAAJ	180	50	COG	5				1000	
77-VJ0402Y221KNAAJ	VJ0402Y221KNAAJ	220	50	X7R	10				1000	
77-VJ0402Y271KNAAJ	VJ0402Y271KNAAJ	270	50	X7R	10				1000	
77-VJ0402Y331KNAAJ	VJ0402Y331KNAAJ	330	50	X7R	10				1000	
77-VJ0402Y391KNAAJ	VJ0402Y391KNAAJ	390	50	X7R	10				1000	
77-VJ0402Y471KNAAJ	VJ0402Y471KNAAJ	470	50	X7R	10				1000	
77-VJ0402Y561KNAAJ	VJ0402Y561KNAAJ	560	50	X7R	10				1000	
77-VJ0402Y681KNAAJ	VJ0402Y681KNAAJ	680	50	X7R	10				1000	
77-VJ0402Y821KNAAJ	VJ0402Y821KNAAJ	820	50	X7R	10				1000	
77-VJ0402Y102KNAAJ	VJ0402Y102KNAAJ	1000	50	X7R	10				1000	
77-VJ0402Y122KNAAJ	VJ0402Y122KNAAJ	1200	50	X7R	10				1000	
77-VJ0402Y152KNAAJ	VJ0402Y152KNAAJ	1500	50	X7R	10				1000	
77-VJ0402Y182KNAAJ	VJ0402Y182KNAAJ	1800	50	X7R	10				1000	
77-VJ0402Y222KNAAJ	VJ0402Y222KNAAJ	2200	50	X7R	10				1000	
77-VJ0402Y272KNAAJ	VJ0402Y272KNAAJ	2700	50	X7R	10				1000	
77-VJ0402Y332KNAAJ	VJ0402Y332KNAAJ	3300	50	X7R	10				1000	
77-VJ0402Y392KNAAJ	VJ0402Y392KNAAJ	3900	50	X7R	10				1000	
77-VJ0402Y472KNAAJ	VJ0402Y472KNAAJ	4700	50	X7R	10				1000	
77-VJ0402Y562KNAAJ	VJ0402Y562KNAAJ	5600	50	X7R	10				1000	
77-VJ0402Y682KNAAJ	VJ0402Y682KNAAJ	6800	50	X7R	10				1000	
77-VJ0402Y822KNAAJ	VJ0402Y822KNAAJ	8200	50	X7R	10				1000	
77-VJ0402Y103KNAAJ	VJ0402Y103KNAAJ	0.01uF	50	X7R	10				4000	
Style 0603										
77-VJ0603A102JNXXO	VJ0603A102JNXXO	1000	25	COG	5				4000	
77-VJ0603Y104KNXXO	VJ0603Y104KNXXO	0.1uF	25	X7R	10				4000	
77-VJ0603A470JNAAO	VJ0603A470JNAAO	47	50	COG	5				4000	
77-VJ0603A101JNAAO	VJ0603A101JNAAO	100	50	COG	5				4000	
77-VJ0603A221JNAAO	VJ0603A221JNAAO	220	50	COG	5				4000	
77-VJ0603A471JNAAO	VJ0603A471JNAAO	470	50	COG	5				4000	
77-VJ0603Y102KNAAO	VJ0603Y102KNAAO	1000	50	X7R	10				4000	
77-VJ0603Y222KNAAO	VJ0603Y222KNAAO	2200	50	X7R	10				4000	
77-VJ0603Y472KNAAO	VJ0603Y472KNAAO	4700	50	X7R	10				4000	
77-VJ0603Y223KNAAO	VJ0603Y223KNAAO	0.022uF	50	X7R	10				4000	
77-VJ0603Y473KNAAO	VJ0603Y473KNAAO	0.047uF	50	X7R	10				4000	
77-VJ0603Y103KNAAO	VJ0603Y103KNAAO	0.01uF	50	X7R	10				4000	
Style 0805										
77-VJ0805Y224KNXAT	VJ0805Y224KNXAT	0.22uF	25	X7R	10				3000	
77-VJ0805A221JNAAT	VJ0805A221JNAAT	220	50	COG	5				3000	
77-VJ0805A471JNAAT	VJ0805A471JNAAT	470	50	COG	5				3000	
77-VJ0805A102JNAAT	VJ0805A102JNAAT	1000	50	COG	5				3000	
77-VJ0805A222JNAAT	VJ0805A222JNAAT	2200	50	COG	5				3000	
77-VJ0805Y472KNAAO	VJ0805Y472KNAAO	4700	50	X7R	10				3000	
77-VJ0805Y223KNAAO	VJ0805Y223KNAAO	0.022uF	50	X7R	10				3000	
77-VJ0805Y473KNAAO	VJ0805Y473KNAAO	0.047uF	50	X7R	10				3000	
77-VJ0805Y103KNAAO	VJ0805Y103KNAAO	0.01uF	50	X7R	10				3000	
77-VJ0805Y104KNAAT	VJ0805Y104KNAAT	0.1uF	50	X7R	10				3000	

IPDiA SMD Silicon Capacitors

RoHS Compliant This product is RoHS compliant.



NEW SUPPLIER

Silicon Caps, SMD

IPDiA

NEW SUPPLIER

NEW SUPPLIER

EXSC SERIES EXTREME TEMPERATURE

Features:

- Ultra high operating temperature
- Low profile
- High stability of capacitance
- Low leakage current
- High reliability

Specification:

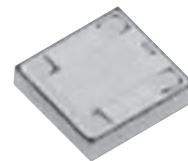
- Operating temperature range: -55°C to +250°C
- Tolerance: 15%



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IPDiA Part No.	Fig.	Case Size	Value (uF)	Voltage	Price Each				Reel Quantity	Price Per Piece
						1	10	100	500		
961-93512542F610-T3A	93512542F610-T3A	A	0404	0.1	12					1000	
961-93512542H622-T3A	93512542H622-T3A	A	0505	0.22	12					1000	
961-93512542S710-T3A	93512542S710-T3A	A	1208	1	12					1000	



HSSC SERIES HIGH STABILITY

Features:

- High reliability
- Low leakage current
- Low ESL
- Low ESR

Applications:

- Medical, Aerospace, Automotive industries
- High stability applications
- Decoupling, Filtering, Charge pump
- Devices with battery operations
- Replacement of X7R and NPO
- Downsizing

Specification:

- Operating temperature range: -55°C to +150°C
- Tolerance: 15%

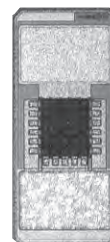


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IPDiA Part No.	Fig.	Case Size	Value (uF)	Voltage	Price Each				Reel Quantity	Price Per Piece
						1	10	100	500		
961-935131424410-T3N	935131424410-T3N	B	0402	0.001	5					1000	
961-935131424533-T3N	935131424533-T3N	B	0402	0.033	5					1000	
961-935131424510-T3N	935131424510-T3N	B	0402	0.01	5					1000	
961-935131424610-T3N	935131424610-T3N	B	0402	0.1	5					1000	
961-935132425610-T3N	935132425610-T3N	C	1206	0.1	5					1000	

B



HTSC SERIES HIGH TEMPERATURE

Features:

- High stability
- High reliability
- Low leakage current
- Low ESL
- Low ESR

Applications:

- Military, Aerospace, Automotive industries
- High reliability applications
- Replacement of X7R and COG dielectrics
- Decoupling, Filtering, Charge pump
- Downsizing

Specification:

- Operating temperature range: -55°C to +200°C
- Tolerance: 15%



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IPDiA Part No.	Fig.	Case Size	Value (uF)	Voltage	Price Each				Reel Quantity	Price Per Piece
						1	10	100	500		
961-935132424410-T3N	935132424410-T3N	B	0402	0.001	5					1000	
961-935132424533-T3N	935132424533-T3N	B	0402	0.033	5					1000	
961-935132424510-T3N	935132424510-T3N	B	0402	0.01	5					1000	
961-935131425610-T3N	935131425610-T3N	C	1206	0.1	5					1000	
961-935131427710-T3N	935131427710-T3N	C	1206	1	5					1000	

C



LPSC SERIES LOW PROFILE

Features:

- High stability
- High reliability
- Low leakage current
- Low ESL
- Low ESR

Applications:

- Medical, Telecom, Computer Industries
- Decoupling, Filtering, Charge pump
- High reliability applications
- Devices with battery operations
- Extreme miniaturization
- Suitable for Embedded technologies

Specification:

- Operating temperature range: -55°C to +150°C

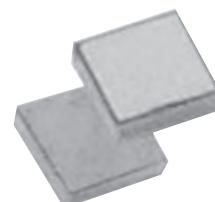


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IPDiA Part No.	Fig.	Case Size	Value (uF)	Voltage	Price Each				Reel Quantity	Price Per Piece
						1	10	100	500		
961-935121424510-T3N	935121424510-T3N	B	0402	0.01	5					2000	
961-935121424533-T3N	935121424533-T3N	B	0402	0.033	5					1000	
961-935121424610-T3N	935121424610-T3N	B	0402	0.1	5					1000	
961-935121424310-T3N	935121424310-T3N	B	0402	100pF	11					1000	
961-935121424347-T3N	935121424347-T3N	B	0402	470pF	11					1000	
961-935121424410-T3N	935121424410-T3N	B	0402	1000pF	5					1000	
961-935121425610-T3N	935121425610-T3N	B	0603	0.1	11					1000	
961-935133426610-T3N	935133426610-T3N	B	0805	0.1	11					1000	
961-935121427710-T3N	935121427710-T3N	B	1206	1	11					1000	

D



WBSC SERIES WIRE BONDING

Features:

- Full compatible to monolithic ceramic capacitors
- Low leakage current
- Ultra high stability of capacitance value: Temperature $\pm 1\%$ (-55°C to +150°C) Voltage <0.1%/Volts Negligible capacitance loss through ageing

- Custom sizes, values, shapes, tolerances and higher voltage
- Low leakage current down to 100pA
- Low profile



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IPDiA Part No.	Fig.	Case Size	Value (uF)	Voltage	Price Each				Reel Quantity	Price Per Piece
						1	10	100	500		
961-935142620510-T3A	935142620510-T3A	D	0303	0.01	25					1000	
961-935142624522-T3A	935142624522-T3A	D	0504	0.022	25					1000	

XTSC SERIES ULTRA HIGH TEMPERATURE

Features:

- High reliability
- Low leakage current
- Low ESL
- Low ESR

Applications:

- Military, Aerospace, Automotive, Downhole industries
- High reliability applications
- Replacement of X8R and COG dielectrics
- Decoupling, Filtering, Charge pump
- Downsizing

Specification:

- Operating temperature range: -55°C to +250°C



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IPDiA Part No.	Fig.	Case Size	Value (uF)	Voltage	Price Each				Reel Quantity	Price Per Piece
						1	10	100	500		
961-935133424410-T3N	935133424410-T3N	B	0402	0.001	5					1000	
961-935133424533-T3N	935133424533-T3N	B	0402	0.033	5					1000	
961-935133424510-T3N	935133424510-T3N	B	0402	0.01	5					1000	
961-935133425610-T3N	935133425610-T3N	B	1206	0.1	5					1000	
961-935133427710-T3N	935133427710-T3N	B	1206	1	11					1000	

AVX Multilayer Ceramic Capacitors



This product is RoHS compliant.



SXP SERIES HIGH TEMPERATURE MOLDED RADIAL MLC CAPACITORS

Specifications:

- Low ESR, low ESL
- Low DC leakage
- Excellent high frequency performance
- Voltage available: 100, 500

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (μF)	Tol. ±	Price Each			
					1	100	500	1000
581-SXP11C684KAA	SXP11C684KAA	A	0.68	10%				
581-SXP47C105KAA	SXP47C105KAA	A	1	10%				
581-SXP21C125KAA	SXP21C125KAA	A	1.2	10%				
581-SXP31C185KAA	SXP31C185KAA	A	1.8	10%				
581-SXP35C335KAA	SXP35C335KAA	A	3.3	10%				
581-SXP41C565KAA	SXP41C565KAA	A	5.6	10%				
581-SXP17C124KAA	SXP17C124KAA	A	12	10%				
581-SXP27C224KAA	SXP27C224KAA	A	22	10%				
581-SXP37C334KAA	SXP37C334KAA	A	33	10%				

SKYCAP® RADIAL CONFORMAL COATED CERAMIC CAPACITORS

AR Series

Specifications:

- Automotive applications
- Qualified: to AEC-Q200
- Case Material: Epoxy
- Lead Material: Solderable

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (μF)	Tol. ±	Price Each			
					1	100	500	1000
50 Volts - Temp. Coeff: C0G (NP0)								
581-AR215A101K4R	AR215A101K4R	B	100pF	10%				
50 Volts - Temp. Coeff: X7R								
581-AR155C102K4R	AR155C102K4R	C	1000pF	10%				
581-AR155C103K4R	AR155C103K4R	C	0.01	10%				
581-AR155C153K4R	AR155C153K4R	C	0.015	10%				
581-AR155C104K4R	AR155C104K4R	C	0.1	10%				
581-AR215C104K4R	AR215C104K4R	B	0.1	10%				
581-AR215C224K4R	AR215C224K4R	B	0.22	10%				
581-AR305C474K4R	AR305C474K4R	C	0.47	10%				
50 Volts - Temp. Coeff: X8R								
581-AR215F102K4R	AR215F102K4R	B	1000pF	10%				
581-AR215F103K4R	AR215F103K4R	B	0.01	10%				
581-AR215F104K4R	AR215F104K4R	B	0.1μF	10%				
100 Volts - Temp. Coeff: C0G (NP0)								
581-AR211A101K4R	AR211A101K4R	B	100	10%				
581-AR211A102K4R	AR211A102K4R	B	1000	10%				
100 Volts - Temp. Coeff: X7R								
581-AR201C102K4R	AR201C102K4R	C	1000	10%				
581-AR211C102K4R	AR211C102K4R	B	1000	10%				
581-AR151C103K4R	AR151C103K4R	C	0.01μF	10%				
581-AR201C103K4R	AR201C103K4R	C	0.01μF	10%				
581-AR211C103K4R	AR211C103K4R	B	0.01μF	10%				
581-AR201C104K4R	AR201C104K4R	C	0.1μF	10%				
581-AR211C104K4R	AR211C104K4R	B	0.1μF	10%				

SR Series

Specifications:

- Temperature Coefficients: C0G (NP0), X7R, Z5U
- Lead Material: 24AWG Solid Copper Plated
- Case Material: Epoxy

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (μF)	Tol. ±	Price Each			
					1	100	500	1000
50 Volts - Temp. Coeff. C0G (NP0)								
581-SR275A100JAR	SR275A100JAR	D	10	5%				
581-SR215A180JAR	SR215A180JAR	B	18	5%				
581-SR215A270JAR	SR215A270JAR	B	27	5%				
581-SR215A151JAR	SR215A151JAR	B	150	5%				
581-SR215A102JAR	SR215A102JAR	B	1000	5%				
581-SR215A102KAR	SR215A102KAR	B	1000	10%				
100 Volts - Temp. Coeff. C0G (NP0)								
581-SR211A100JAR	SR211A100JAR	B	10	5%				
581-SR151A100JAR	SR151A100JAR	C	10	5%				
581-SR211A120JAR	SR211A120JAR	B	12	5%				
581-SR151A120JAR	SR151A120JAR	C	12	5%				
581-SR211A150JAR	SR211A150JAR	B	15	5%				
581-SR151A150JAR	SR151A150JAR	C	15	5%				
581-SR211A150KAR	SR211A150KAR	B	15	10%				
581-SR211A180JAR	SR211A180JAR	B	18	5%				
581-SR151A180JAR	SR151A180JAR	C	18	5%				
581-SR211A220JAR	SR211A220JAR	B	22	5%				
581-SR221A220JAR	SR221A220JAR	D	22	5%				
581-SR151A220JAR	SR151A220JAR	C	22	5%				
581-SR271A220KAR	SR271A220KAR	D	22	10%				
581-SR211A270JAR	SR211A270JAR	B	27	5%				
581-SR151A270JAR	SR151A270JAR	C	27	5%				
581-SR211A330JAR	SR211A330JAR	B	33	5%				
581-SR151A330JAR	SR151A330JAR	C	33	5%				
581-SR151A390JAR	SR151A390JAR	C	39	5%				
581-SR211A470JAR	SR211A470JAR	B	47	5%				
581-SR151A470JAR	SR151A470JAR	C	47	5%				
581-SR211A470KAR	SR211A470KAR	B	47	10%				
581-SR211A560JAR	SR211A560JAR	B	56	5%				
581-SR151A560JAR	SR151A560JAR	C	56	5%				
581-SR151A680JAR	SR151A680JAR	C	68	5%				
581-SR211A680KAR	SR211A680KAR	B	68	10%				
581-SR211A820JAR	SR211A820JAR	B	82	5%				

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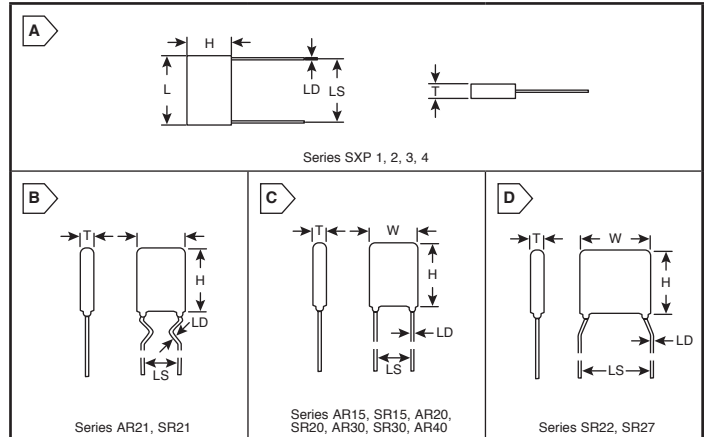
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DIMENSIONS: mm (in.)

AVX Style	SXP1	SXP2	SXP3	SXP4	AR15/SR15	AR20/SR20	AR21/SR21	SR22	SR27	AR30/SR30	AR40
(W) Width (L) Length	7.62 (.300)	10.2 (.402)	12.7 (.500)	22.4 (.880)	3.81 (.150)	5.08 (.20)	5.08 (.20)	5.08 (.20)	6.604 (.26)	7.62 (.30)	10.16 (.40)
(H) Height	7.62 (.300)	10.2 (.402)	12.7 (.500)	16.3 (.641)	3.81 (.15)	5.08 (.20)	5.08 (.20)	5.08 (.20)	6.35 (.25)	7.62 (.30)	10.16 (.40)
(T) Thickness	3.81 (.150)	5.08 (.200)	5.08 (.200)	5.84 (.230)	2.54 (.10)	3.175 (.13)	3.175 (.13)	3.175 (.13)	4.06 (.16)	3.81 (.15)	3.81 (.15)
(LS) Lead Spacing	6.35 (.25)	8.38 (.330)	10.2 (.402)	19.8 (.780)	2.54 (.10)	2.54 (.10)	5.08 (.20)	6.35 (.25)	7.62 (.30)	5.08 (.20)	5.08 (.20)
(LD) Lead Diameter	0.64 (.025)	0.64 (.025)	0.64 (.025)	0.64 (.025)	0.508 (.02)	0.508 (.02)	0.508 (.02)	0.508 (.02)	0.508 (.02)	0.508 (.02)	0.508 (.02)



SKYCAP® RADIAL CONFORMAL COATED CERAMIC CAPACITORS (CONT.)

SR Series (Cont.)

Specifications:

- Temperature Coefficients: C0G (NP0), X7R, Z5U
- Lead Material: 24AWG Solid Copper Plated
- Case Material: Epoxy

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (pF)	Tol. ±	Price Each			
					1	100	500	1000
100 Volts - Temp. Coeff. C0G (NP0) (Cont.)								
581-SR151A820JAR	SR151A820JAR	C	82	5%				
581-SR211A101JAR	SR211A101JAR	B	100	5%				
581-SR151A101JAR	SR151A101JAR	C	100	5%				
581-SR211A101KAR	SR211A101KAR	B	100	10%				
581-SR151A121JAR	SR151A121JAR	C	120	5%				
581-SR151A151JAR	SR151A151JAR	C	150	5%				
581-SR211A181JAR	SR211A181JAR	B	180	5%				
581-SR151A181JAR	SR151A181JAR	C	180	5%				
581-SR211A221JAR	SR211A221JAR	B	220	5%				
581-SR151A221JAR	SR151A221JAR	C	220	5%				
581-SR151A271JAR	SR151A271JAR	C	270	5%				
581-SR211A331JAR	SR211A331JAR	B	330	5%				
581-SR271A331JAR	SR271A331JAR	D	330	5%				
581-SR151A331JAR	SR151A331JAR	C	330	5%				
581-SR151A391JAR	SR151A391JAR	C	390	5%				
581-SR211A471JAR	SR211A471JAR	B	470	5%				
581-SR151A471JAR	SR151A471JAR	C	470	5%				
581-SR211A471KAR	SR211A471KAR	B	470	10%				
581-SR211A561JAR	SR211A561JAR	B	560	5%				
581-SR151A561JAR	SR151A561JAR	C	560	5%				
581-SR211A561KAR	SR211A561KAR	B	560	10%				
581-SR211A681JAR	SR211A681JAR	B	680	5%				
581-SR151A681JAR	SR151A681JAR	C	680	5%				
581-SR211A102JAR	SR211A102JAR	B	1000	5%				
581-SR221A102JAR	SR221A102JAR	D	1000	5%				
581-SR201A102JAR	SR201A102JAR	C	1000	5%				
581-SR211A102KAR	SR211A102KAR	B	1000	10%				
581-SR201A122JAR	SR201A122JAR	C	1200	5%				
581-SR211A152JAR	SR211A152JAR	B	1500	5%				
581-SR201A152JAR	SR201A152JAR	C	1500	5%				
581-SR211A152KAR	SR211A152KAR	B	1500	10%				
581-SR201A182JAR	SR201A182JAR	C	1800	5%				
581-SR211A222JAR	SR211A222JAR	B	2200	5%				
581-SR201A222JAR	SR201A222JAR	C	2200	5%				
581-SR201A332JAR	SR201A332JAR	C	3300	5%				
581-SR211A472JAR	SR211A472JAR	B	4700	5%				
581-SR201A472JAR	SR201A472JAR	C	4700	5%				
581-SR211A472KAR	SR211A472KAR	B	4700	10%				
581-SR201A562JAR	SR201A562JAR	C	5600	5%				
581-SR301A682JAR	SR301A682JAR	C	6800	5%				
581-SR301A822JAR	SR301A822JAR	C	8200	5%				
581-SR301A103JAR	SR301A103JAR	C	.01μF	5%				
581-SR301A223JAR	SR301A223JAR	C	.022μF	5%				
200 Volts - Temp. Coeff. C0G (NP0)								

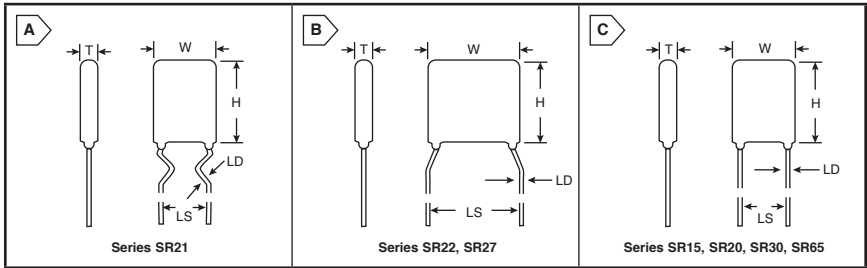
AVX Ceramic Capacitors



AVX SKYCAP® SR SERIES RADIAL MULTILAYER CERAMIC CAPACITORS

RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm (in.)							
AVX Style	SR15	SR20	SR21	SR22	SR27	SR30	SR65
(W) Width	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.604 (0.260)	7.62 (0.300)	7.62 (0.300)
(H) Height	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)	7.62 (0.300)
(T) Thickness	2.54 (0.100)	3.175 (0.125)	3.175 (0.125)	3.175 (0.125)	4.06 (0.160)	3.81 (0.150)	3.81 (0.150)
(L.S.) Lead Spacing	2.54 (0.100)	2.54 (0.100)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)	5.08 (0.200)	5.08 (0.200)
(L.D.) Lead Dia.	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)



X7R

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (pF)	Price Each			
Mfr.	Mfr. Part No.			1	100	500	1000
50 Volts							
581	SR215C222KAR	A	2200				
581	SR215C682KAR	A	6800				
581	SR215C103JAR	A	10000				
581	SR215C103KAR	A	10000				
581	SR225C103KAR	B	10000				
581	SR275C103KAR	B	10000				
581	SR215C153KAR	A	15000				
581	SR215C223KAR	A	22000				
581	SR155C223KAR	C	22000				
581	SR215C333KAR	A	33000				
581	SR215C473JAR	A	47000				
581	SR215C473KAR	A	47000				
581	SR205C473KAR	C	47000				
581	SR215C104JAR	A	0.1uF				
581	SR215C104KAR	A	0.1uF				
581	SR225C104KAR	B	0.1uF				
581	SR275C104KAR	B	0.1uF				
581	SR215C104MAR	A	0.1uF				
581	SR215C154JAR	A	0.15uF				
581	SR215C154KAR	A	0.15uF				
581	SR215C224KAR	A	0.22uF				
581	SR225C224KAR	B	0.22uF				
581	SR305C105KAR	C	1uF				
581	SR655C106KAR	C	10uF				
100 Volts							
581	SR211C471KAR	A	470				
581	SR211C102JAR	A	1000				
581	SR211C102KAR	A	1000				
581	SR221C102KAR	B	1000				
581	SR211C152JAR	A	1500				
581	SR211C152KAR	A	1500				
581	SR211C222JAR	A	2200				
581	SR211C222KAR	A	2200				



X7R (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (pF)	Price Each			
Mfr.	Mfr. Part No.			1	100	500	1000
100 Volts (Cont.)							
581	SR221C222KAR	B	2200				
581	SR151C222KAR	C	2200				
581	SR211C472KAR	A	4700				
581	SR151C472KAR	C	4700				
581	SR211C472MAR	A	4700				
581	SR211C103JAR	A	10000				
581	SR211C103KAR	A	10000				
581	SR221C103KAR	B	10000				
581	SR271C103KAR	B	10000				
581	SR151C103KAR	C	10000				
581	SR221C103MAR	B	10000				
581	SR201C153KAR	A	15000				
581	SR211C223JAR	A	22000				
581	SR211C223KAR	A	22000				
581	SR201C223KAR	C	22000				
581	SR211C333KAR	A	33000				
581	SR201C333KAR	C	33000				
581	SR211C473KAR	A	47000				
581	SR221C473KAR	B	47000				
581	SR201C473KAR	C	47000				
581	SR211C473MAR	A	47000				
581	SR201C683KAR	C	68000				
581	SR211C104JAR	A	0.1uF				
581	SR211C104KAR	A	0.1uF				
581	SR221C104KAR	B	0.1uF				
581	SR271C104KAR	B	0.1uF				
581	SR201C104KAR	C	0.1uF				
581	SR301C154KAR	C	0.15uF				
581	SR301C224KAR	C	0.22uF				
581	SR301C334KAR	C	0.33uF				
200 Volts							
581	SR152C102KAR	C	1000				

Z5U

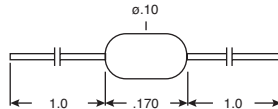
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (pF)	Price Each			
Mfr.	Mfr. Part No.			1	100	500	1000
50 Volts							
581	SR225E103MAR	B	10000				
581	SR275E103MAR	B	10000				
581	SR215E473MAR	A	47000				
581	SR225E473MAR	B	47000				
581	SR215E104MAR	A	0.1uF				
581	SR225E104MAR	B	0.1uF				
581	SR275E104MAR	B	0.1uF				
581	SR155E104MAR	C	0.1uF				
581	SR205E104MAR	C	0.1uF				
581	SR215E224MAR	A	0.22uF				
581	SR225E224MAR	B	0.22uF				
581	SR275E224MAR	B	0.22uF				
581	SR205E224MAR	C	0.22uF				
581	SR215E334MAR	A	0.33uF				
581	SR275E334MAR	B	0.33uF				
581	SR225E474MAR	B	0.47uF				
581	SR205E474MAR	C	0.47uF				
581	SR215E105MAR	A	1uF				
100 Volts							
581	SR211E103MAR	A	10000				
581	SR221E103MAR	B	10000				
581	SR271E103MAR	B	10000				
581	SR151E103MAR	C	10000				
581	SR211E104MAR	A	0.1uF				
581	SR221E104MAR	B	0.1uF				
581	SR271E104MAR	B	0.1uF				
581	SR271E224MAR	B	0.22uF				
581	SR301E105MAR	C	1uF				

AVX SPINGUARD® SA SERIES AXIAL MULTILAYER CERAMIC CAPACITORS

Specifications:

- Conformally Coated Axial Leaded MLC
- Temperature Coefficients: COG (NP0), X7R, Z5U
- Case Material: Epoxy (Flame Retardant to UL Bulletin 492, Par. 280)
- Lead Material: Solderable



DIMENSIONS: in.

COG

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (pF)	Price Each			
Mfr.	Mfr. Part No.			1	100	500	1000
581	SA105A102JAR	50	1000				
581	SA101A151JAR	100	150				
581	SA101A151KAR	100	150				
581	SA101A221JAR	100	220				
581	SA101A391JAR	100	390				
581	SA101A471JAR	100	470				
581	SA101A561JAR	100	560				
581	SA101A681JAR	100	680				
581	SA101A102JAR	100	1000				
581	SA301A272JAR	100	2700				
581	SA301A332JAR	100	3300				
581	SA102A100JAR	200	10				
581	SA102A120JAR	200	12				
581	SA102A150JAR	200	15				
581	SA102A220JAR	200	22				
581	SA102A330JAR	200	33				
581	SA102A330KAR	200	33				
581	SA102A470JAR	200	47				
581	SA102A560JAR	200	56				
581	SA102A101JAR	200	100				
581	SA102A101KAR	200	100				

X7R

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (pF)	Price Each			
Mfr.	Mfr. Part No.			1	100	500	1000
581	SA105C223KAR	50	22000				
581	SA105C333KAR	50	33000				
581	SA205C333KAR	50	33000				
581	SA105C473KAR	50	47000				
581	SA105C103KAR	50	10000				
581	SA105C104KAR	50	0.1uF				
581	SA115C104KAR	50	0.1uF				
581	SA205C104KAR	50	0.1uF				
581	SA305C104KAR	50	0.1uF				
581	SA305C224KAR	50	0.22uF				
581	SA101C102KAR	100	1000				
581	SA101C122KAR	100	1200				
581	SA101C152KAR	100	1500				
581	SA101C222KAR	100	2200				
581	SA101C332KAR	100	3300				
581	SA101C472KAR	100	4700				
581	SA101C103KAR	100	10000				
581	SA101C223KAR	100	22000				
581	SA301C563KAR	100	56000				
581	SA301C104KAR	100	0.1uF				
581	SA102C102KAR	200	1000				

X5R

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (pF)	Price Each			
Mfr.	Mfr. Part No.			1	100	500	1000
581	SA1						

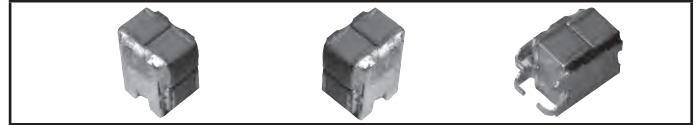
AVX Multilayer Ceramic Capacitors



RT10 SERIES MINI-TURBOCAP

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	Volts	No. of Leads	Tol.	Price Each			
Mfr.	Mfr. Part No.					1	5	50	100
581	RT101C825MAJ02	100	8.2	±20	2				
581	RT105C186MAJ02	50	18	±20	2				



TURBOCAP HIGH-CV SMPS CAPS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	Volts	No. of Leads Per Side	D ±1.27 mm	Price Each			
Mfr.	Mfr. Part No.					1	5	10	25
581	ST121C126MAJ05	12	100	5	13.34				
581	ST121C226MAJ10	22	100	10	26.04				
581	ST125C276MAJ05	27	50	5	13.34				
581	ST125C506MAJ10	50	50	10	26.04				
581	ST201C146MAJ03	14	100	3	8.26				
581	ST201C226MAJ05	22	100	5	13.34				
581	ST201C476MAJ10	47	100	10	26.04				
581	ST203C107MAJ05	100	25	5	13.34				
581	ST203C227MAJ10	22	25	10	26.04				
581	ST203C686MAJ03	68	25	3	8.26				
581	ST205C276MAJ03	27	50	3	8.26				
581	ST205C276MAL03	27	50	3	8.26				
581	ST205C276MAN03	27	450	3	8.26				



TURBOCAP HIGH-CV SMPS CAPS (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	Volts	No. of Leads Per Side	D ±1.27 mm	Price Each			
Mfr.	Mfr. Part No.					1	5	10	25
581	ST205C476MAJ05	47	50	5	13.34				
581	ST205C476MAL05	47	50	5	13.34				
581	ST205C476MAN05	47	50	5	13.34				
581	ST205C107MAJ10	100	50	10	26.04				
581	ST205C107MAL10	100	50	10	26.04				
581	ST205C107MAN10	100	50	10	26.04				

AVX Ceramic Caps, Leaded

SPINGUARD AA SERIES AXIAL MULTILAYER CERAMIC CAPACITORS

Applications:

- Filtering
- Decoupling



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Temp. Coeff.	Value (uF)	Volts	Price Each			
Mfr.	Mfr. Part No.				1	50	100	1000
581	AA101C102K4R	X7R	0.001	100				
581	AA101C103K4R	X7R	0.01	100				
581	AA105C104K4R	X7R	0.1	50				
581	AA115C104K4R	X7R	0.1	50				
581	AA301C104K4R	X7R	0.1	100				

DIPGUARD® MD01 SERIES MOLDED DIP LEAD

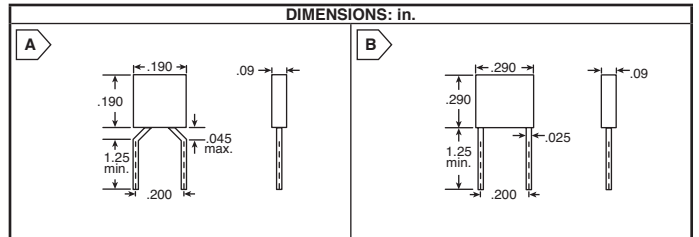


For quantities greater than listed, call for quote.

MOUSER STOCK NO.		AVX Part No.	Temp. Coeff.	Value (pF)	Price Each		
Mfr.	Mfr. Part No.				1	50	100
581	MD011A100KAB	MD011A100KAB	C0G	10			
581	MD015A100K	MD015A100KAB	C0G	10			
581	MD015A150K	MD015A150KAB	C0G	15			
581	MD015A220K	MD015A220KAB	C0G	22			
581	MD011A270KAB	MD011A270KAB	C0G	27			
581	MD015A330K	MD015A330KAB	C0G	33			
581	MD011A470JAB	MD011A470JAB	C0G	47			
581	MD015A470K	MD015A470KAB	C0G	47			
581	MD015A680K	MD015A680KAB	C0G	68			
581	MD011A101KAB	MD011A101KAB	C0G	100			
581	MD015A101K	MD015A101KAB	C0G	100			
581	MD015A121KAB	MD015A121KAB	C0G	120			
581	MD011A151JAB	MD011A151JAB	C0G	150			
581	MD015A151K	MD015A151KAB	C0G	150			
581	MD015A221K	MD015A221KAB	C0G	220			
581	MD015C221K	MD015C221KAB	X7R	220			
581	MD015A331K	MD015A331KAB	C0G	330			
581	MD011A471KAB	MD011A471KAB	C0G	470			
581	MD015A471K	MD015A471KAB	C0G	470			
581	MD011C471KAB	MD011C471KAB	X7R	470			
581	MD015A102K	MD015A102KAB	C0G	1000			
581	MD011C102K	MD011C102KAB	X7R	1000			
581	MD015C102K	MD015C102KAB	X7R	1000			
581	MD015A152K	MD015A152KAB	C0G	1500			
581	MD015A222K	MD015A222KAB	C0G	2200			
581	MD015C332K	MD015C332KAB	X7R	3300			
581	MD015C472K	MD015C472KAB	X7R	4700			
581	MD011C103K	MD011C103KAB	X7R	0.01uF			
581	MD015E103Z	MD015E103ZAB	Z5U	0.01uF			
581	MD015C103K	MD015C103KAB	X7R	0.01uF			
581	MD015C223K	MD015C223KAB	X7R	0.022uF			
581	MD015E223M	MD015E223MAB	Z5U	0.022uF			
581	MD015C333K	MD015C333KAB	X7R	0.033uF			
581	MD015E333M	MD015E333MAB	Z5U	0.033uF			
581	MD015C473K	MD015C473KAB	X7R	0.047uF			
581	MD015E473Z	MD015E473ZAB	Z5U	0.047uF			
581	MD015C683K	MD015C683KAB	X7R	0.068uF			
581	MD015C104K	MD015C104KAB	X7R	0.1uF			
581	MD015E104Z	MD015E104ZAB	Z5U	0.1uF			
581	MD015E224Z	MD015E224ZAB	Z5U	0.22uF			
581	MD025C224KAB	MD025C224KAB	X7R	0.22uF			
581	MD015E334Z	MD015E334ZAB	Z5U	0.33uF			
581	MD035C474K	MD035C474KAA	X7R	0.47uF			
581	MD025E474MAB	MD025E474MAB	Z5U	0.47uF			
581	MD035C105K	MD035C105KAA	X7R	1uF			
581	MD035E105MAA	MD035E105MAA	Z5U	1uF			

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CK05 AND CK06 SERIES CERAMIC RADIAL LEAD

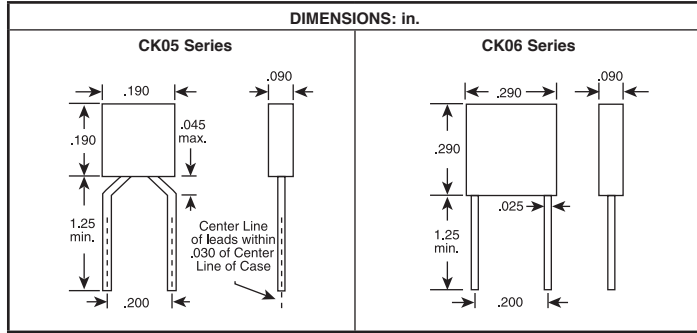
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (pF)	Volt (DC)	Price Each		
Mfr.	Mfr. Part No.				1	50	1000
581	CK05BX100K	A	10	200			
581	CK05BX120K	A	12	200			
581	CK05BX150K	A	15	200			
581	CK05BX180K	A	18	200			
581	CK05BX220K	A	22	200			
581	CK05BX270K	A	27	200			
581	CK05BX330K	A	33	200			
581	CK05BX470K	A	47	200			
581	CK05BX560K	A	56	200			
581	CK05BX680K	A	68	200			
581	CK05BX820K	A	82	200			
581	CK05BX101K	A	100	200			
581	CK05BX121K	A	120	200			
581	CK05BX151K	A	150	200			
581	CK05BX221K	A	220	200			
581	CK05BX331K	A	330	200			
581	CK05BX391K	A	390	200			
581	CK05BX471K	A	470	200			
581	CK05BX821K	A	820	200			
581	CK05BX102K	A	1000	200			
581	CK05BX152K	A	1500	100			
581	CK05BX182K	A	1800	100			
581	CK05BX222K	A	2200	100			
581	CK05BX332K	A	3300	100			
581	CK05BX392K	A	3900	100			
581	CK05BX472K	A	4700	100			
581	CK05BX562K	A	5600	100			
581	CK05BX682K	A	6800	100			
581	CK05BX822K	A	8200	100			
581	CK05BX103K	A	.01uF	100			
581	CK06BX103K	B	.01uF	200			
581	CK05BX123K	A	.012uF	50			
581	CK05BX153K	A	.015uF	50			
581	CK05BX183K	A	.018uF	50			
581	CK05BX223K	A	.022uF	50			
581	CK06BX223K	B	.022uF	100			
581	CK05BX333K	A	.033uF	50			
581	CK05BX473K	A	.047uF	50			
581	CK05BX563K	A	.056uF	50			
581	CK05BX683K	A	.068uF	50			
581	CK06BX683K	B	.068uF	100			
581	CK05BX104K	A	.1uF	50			
581	CK06BX104K	B	.1uF	100			
581	CK06BX154K	B	.15uF	50			
581	CK06BX224K	B	.22uF	50			
581	CK06BX274K	B	.27uF	50			
581	CK06BX334K	B	.33uF	50			
581	CK06BX474K	B	.47uF	50			
581	CK06BX684K	B	.68uF	50			
581	CK06BX105K	B	1.0uF	50			

KEMET Ceramic Capacitors

The Capacitance Company
KEMET
CHARGED.

KEMET CK SERIES, CERAMIC MOLDED RADIAL, 10% TOLERANCE



CK05 Series For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Price Each			
				1	10	100	200
80-CK05BX100K	C052K100K2X5CA	10	200				
80-CK05BX120K	C052K120K2X5CA	12	200				
80-CK05BX150K	C052K150K2X5CA	15	200				
80-CK05BX180K	C052K180K2X5CA	18	200				
80-CK05BX220K	C052K220K2X5CA	22	200				
80-CK05BX270K	C052K270K2X5CA	27	200				
80-CK05BX330K	C052K330K2X5CA	33	200				
80-CK05BX390K	C052K390K2X5CA	39	200				
80-CK05BX470K	C052K470K2X5CA	47	200				
80-CK05BX560K	C052K560K2X5CA	56	200				
80-CK05BX680K	C052K680K2X5CA	68	200				
80-CK05BX820K	C052K820K2X5CA	82	200				
80-CK05BX101K	C052K101K2X5CA	100	200				
80-CK05BX121K	C052K121K2X5CA	120	200				
80-CK05BX151K	C052K151K2X5CA	150	200				
80-CK05BX181K	C052K181K2X5CA	180	200				
80-CK05BX221K	C052K221K2X5CA	220	200				
80-CK05BX271K	C052K271K2X5CA	270	200				
80-CK05BX331K	C052K331K2X5CA	330	200				
80-CK05BX391K	C052K391K2X5CA	390	200				
80-CK05BX471K	C052K471K2X5CA	470	200				
80-CK05BX561K	C052K561K2X5CA	560	200				
80-CK05BX681K	C052K681K2X5CA	680	200				
80-CK05BX821K	C052K821K2X5CA	820	200				
80-CK05BX102K	C052K102K2X5CA	1000	200				

CK05 Series (Cont.) For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Price Each			
				1	10	100	200
80-CK05BX122K	C052K122K1X5CA	1200	100				
80-CK05BX152K	C052K152K1X5CA	1500	100				
80-CK05BX182K	C052K182K1X5CA	1800	100				
80-CK05BX222K	C052K222K1X5CA	2200	100				
80-CK05BX272K	C052K272K1X5CA	2700	100				
80-CK05BX332K	C052K332K1X5CA	3300	100				
80-CK05BX392K	C052K392K1X5CA	3900	100				
80-CK05BX472K	C052K472K1X5CA	4700	100				
80-CK05BX562K	C052K562K1X5CA	5600	100				
80-CK05BX682K	C052K682K1X5CA	6800	100				
80-CK05BX822K	C052K822K1X5CA	8200	100				
80-CK05BX103K	C052K103K1X5CA	.010μF	100				
80-CK05BX123K	C052K123K5X5CA	.012μF	50				
80-CK05BX153K	C052K153K5X5CA	.015μF	50				
80-CK05BX223K	C052K223K5X5CA	.022μF	50				
80-CK05BX273K	C052K273K5X5CA	.027μF	50				
80-CK05BX333K	C052K333K5X5CA	.033μF	50				
80-CK05BX393K	C052K393K5X5CA	.039μF	50				
80-CK05BX473K	C052K473K5X5CA	.047μF	50				
80-CK05BX563K	C052K563K5X5CA	.056μF	50				
80-CK05BX683K	C052K683K5X5CA	.068μF	50				
80-CK05BX104K	C052K104K5X5CA	0.1μF	50				

CK06 Series For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Price Each			
				1	10	100	200
80-CK06BX152K	C062K152K2X5CA	1500	200				
80-CK06BX222K	C062K222K2X5CA	2200	200				
80-CK06BX332K	C062K332K2X5CA	3300	200				
80-CK06BX392K	C062K392K2X5CA	3900	200				
80-CK06BX472K	C062K472K2X5CA	4700	200				
80-CK06BX682K	C062K682K2X5CA	6800	200				
80-CK06BX103K	C062K103K2X5CA	.01μF	200				
80-CK06BX223K	C062K223K1X5CA	.022μF	100				
80-CK06BX333K	C062K333K1X5CA	.033μF	100				
80-CK06BX473K	C062K473K1X5CA	.047μF	100				
80-CK06BX683K	C062K683K1X5CA	.068μF	100				
80-CK06BX104K	C062K104K1X5CA	0.1μF	100				
80-CK06BX154K	C062K154K5X5CA	.15μF	50				
80-CK06BX224K	C062K224K5X5CA	.22μF	50				
80-CK06BX274K	C062K274K5X5CA	.27μF	50				
80-CK06BX334K	C062K334K5X5CA	.33μF	50				
80-CK06BX394K	C062K394K5X5CA	.39μF	50				
80-CK06BX474K	C062K474K5X5CA	.47μF	50				
80-CK06BX564K	C062K564K5X5CA	.56μF	50				
80-CK06BX684K	C062K684K5X5CA	.68μF	50				
80-CK06BX824K	C114K824K5X5CA	.82μF	50				
80-CK06BX105K	C062K105K5X5CA	1.0μF	50				

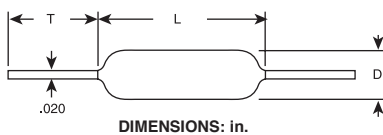
KEMET C4XX SERIES, "AXIMAX" CONFORMAL COATED AXIAL

Temperature Characteristics:

- C0G: 0 ±30ppm/°C from -55°C to +125°C
- X7R: ±15% from -55°C to +125°C
- Z5U: ±22% from; -56% from +10°C to +85°C

Specifications:

- Solder coated copper clad steel leads
- Epoxy encapsulated - meets flame test requirements of UL Standard 94V-0
- High-temperature solder - meets EIA RS-198D, Method 302, Condition B (260°C for 10 sec.)



Temp Coef: C0G, 5% Tolerance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Dimensions: in.			Price Each		
			L	D	T	1	10	100
100 Volt								
80-C410C100J1G	C410C100J1G5CA	10	.170	.100	1.00			
80-C410C150J1G	C410C150J1G5CA	15	.170	.100	1.00			
80-C410C180J1G	C410C180J1G5CA	18	.170	.100	1.00			
80-C410C220J1G	C410C220J1G5CA	22	.170	.100	1.00			
80-C410C270J1G	C410C270J1G5CA	27	.170	.100	1.00			
80-C410C330J1G	C410C330J1G5CA	33	.170	.100	1.00			
80-C410C470J1G	C410C470J1G5CA	47	.170	.100	1.00			
80-C410C820J1G	C410C820J1G5CA	82	.170	.100	1.00			
80-C410C101J1G	C410C101J1G5CA	100	.170	.100	1.00			
80-C410C151J1G	C410C151J1G5CA	150	.170	.100	1.00			
80-C410C221J1G	C410C221J1G5CA	220	.170	.100	1.00			
80-C410C331J1G	C410C331J1G5CA	330	.170	.100	1.00			
80-C410C471J1G	C410C471J1G5CA	470	.170	.100	1.00			
80-C410C102J1G	C410C102J1G5CA	1000	.170	.100	1.00			
80-C430C332J1G	C430C332J1G5CA	3300	.290	.150	1.00			
80-C430C472J1G	C430C472J1G5CA	4700	.290	.150	1.00			
200 Volt								
80-C410C220J2G	C410C220J2G5CA	22	.170	.100	1.00			
80-C410C330J2G	C410C330J2G5CA	33	.170	.100	1.00			
80-C410C101J2G	C410C101J2G5CA	100	.170	.100	1.00			

Temp Coef: X7R, 10% Tolerance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Dimensions: in.			Price Each		
			L	D	T	1	10	100
50 Volt								
80-C410C102K5R	C410C102K5R5CA	0.001	.170	.100	1.00			
80-C410C103K5R	C410C103K5R5CA	0.01	.170	.100	1.00			
80-C410C223K5R	C410C223K5R5CA	0.022	.170	.100	1.00			
80-C410C333K5R	C410C333K5R5CA	0.033	.170	.100	1.00			
80-C410C473K5R	C410C473K5R5CA	0.047	.170	.100	1.00			
80-C412C104K5R	C412C104K5R5CA	0.1	.170	.120	1.00			
80-C430C154K5R	C430C154K5R5CA	0.15	.290	.150	1.00			
80-C430C224K5R	C430C224K5R5CA	0.22	.290	.150	1.00			
80-C440C474K5R	C440C474K5R5CA	0.47	.400	.150	1.00			
100 Volt								
80-C410C821K1R	C410C821K1R5CA	820	.170	.100	1.00			
80-C410C102K1R	C410C102K1R5CA	1000	.170	.100	1.00			
80-C410C152K1R	C410C152K1R5CA	1500	.170	.100	1.00			
80-C410C222K1R	C410C222K1R5CA	2200	.170	.100	1.00			
80-C410C472K1R	C410C472K1R5CA	4700	.170	.100	1.00			
80-C410C103K1R	C410C103K1R5CA	0.01	.170	.100	1.00			
80-C430C473K1R	C430C473K1R5CA	0.047	.290	.150	1.00			
80-C430C104K1R	C430C104K1R5CA	0.1	.290	.150	1.00			

Temp Coef: Z5U, 20% Tolerance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Dimensions: in.			Price Each		
			L	D	T	1	10	100
50 Volt								
80-C410C103M5U	C410C103M5U5CA	0.01	.170	.100	1.00			
80-C410C104M5U	C410C104M5U5CA	0.1	.170	.100	1.00			
80-C412C334M5U	C412C334M5U5CA	0.33	.170	.120	1.00			
80-C420C334M5U	C420C334M5U5CA	0.33	.260	.100	1.00			
80-C430C474M5U	C430C474M5U5CA	0.47	.290	.150	1.00			
80-C430C105M5U	C430C105M5U5CA	0.1	.290	.150	1.00			
80-C440C105M5U	C440C105M5U5CA	1.0	.400	.150	1.00			
100 Volt								
80-C410C103M1U	C410C103M1U5CA	0.01	.170	.100	1.00			
80-C430C104M1U	C430C104M1U5CA	0.1	.290	.150	1.00			
80-C440C224M1U	C440C224M1U5CA	0.22	.400	.150	1.00			

KEMET Conformal Coated Ceramic Capacitors



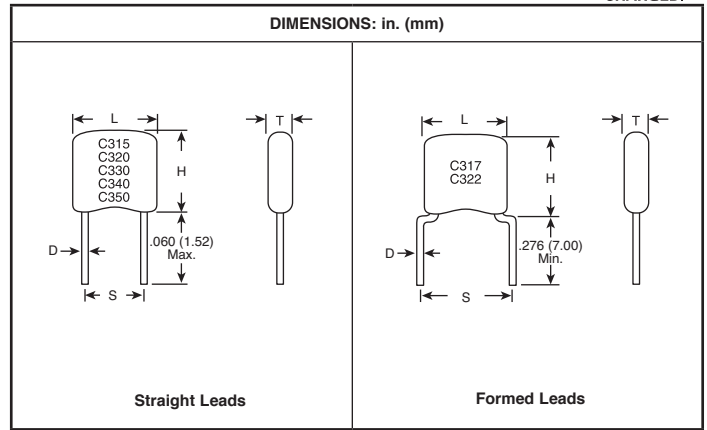
GOLDEN MAX CERAMIC CONFORMAL COATED/RADIAL HIGH VOLTAGE C3XX SERIES

- Temperature characteristics: C0G: 0.15% max. from -55°C to +125°C, X7R: ±15% max. from -55°C to +125°C
- Epoxy encapsulated
- Meets flame test requirements of UL Standard 94V-0



Also available in various lead formations, tolerances, and packaging. Please contact a Mouser Sales Representative for information.

Case Size	DIMENSIONS: in. (mm)				
	L Max.	H Max.	T Max.	S (1 ± 030 (.76))	D + .004 (.10) - .001 (.76)
C315	.150 (3.81)	.210 (5.33)	.100 (2.54)	.100 (2.54)	.020 (.51)
C317	.150 (3.81)	.230 (5.84)	.100 (2.54)	.200 (5.08)	.020 (.51)
C320	.200 (5.08)	.260 (6.60)	.125 (3.18)	.100 (2.54)	.020 (.51)
C322	.200 (5.08)	.260 (6.60)	.125 (3.18)	.200 (5.08)	.020 (.51)
C330	.300 (7.62)	.360 (9.14)	.150 (3.81)	.200 (5.08)	.020 (.51)
C340	.400 (10.16)	.460 (11.68)	.150 (3.81)	.200 (5.08)	.020 (.51)
C350	.500 (12.70)	.560 (14.22)	.200 (5.08)	.400 (10.16)	.025 (.64)



C3XX Series, C0G

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt	Tol.	Price Each			
					1	25	50	100
80-C315C100KDG	C315C100KDG5TA	10	1000	10%				
80-C315C101KCG	C315C101KCG5TA	100	500	10%				
80-C317C101KDG	C317C101KDG5TA	100	1000	10%				
80-C330C101KDG	C330C101KDG5TA	100	1000	10%				
80-C340C101KGG	C340C101KGG5TA	100	2000	10%				
80-C340C101KHG	C340C101KHG5TA	100	3000	10%				
80-C320C102KDG	C320C102KDG5TA	1000	1000	10%				
80-C322C102KDG	C322C102KDG5TA	1000	1000	10%				
80-C322C332KCG	C322C332KCG5TA	3300	500	10%				
80-C340C103KCG	C340C103KCG5TA	0.01µF	500	10%				

C3XX Series, X7R

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt	Tol.	Price Each			
					1	25	50	100
80-C317C101KDR	C317C101KDR5TA	100	1000	10%				
80-C340C101KHR	C340C101KHR5TA	100	3000	10%				
80-C322C102KDR	C322C102KDR5TA	1000	1000	10%				
80-C317C332KCR	C317C332KCR5TA	3300	500	10%				
80-C320C103MCR	C320C103MCR5TA	0.01µF	500	20%				
80-C322C103KDR	C322C103KDR5TA	0.01µF	1000	10%				
80-C330C104KCR	C330C104KCR5TA	0.1µF	500	10%				
80-C330C104MCR	C330C104MCR5TA	0.1µF	500	20%				
80-C330C124KCR	C330C124KCR5TA	0.1µF	500	10%				
80-C340C224MCR	C340C224MCR5TA	0.22µF	500	20%				

KEMET Ceramic Caps, Leaded



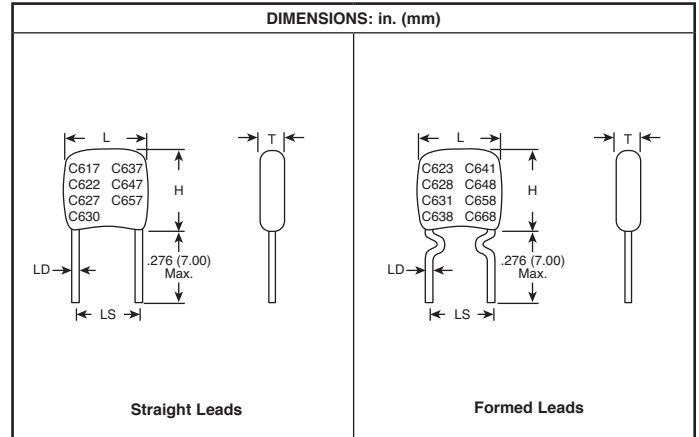
GOLDEN MAX CERAMIC COMMERCIAL HIGH VOLTAGE RADIAL LEADED CAPACITOR C6XX SERIES

- Temperature characteristics: C0G: 0.15% max. from -55°C to +125°C, X7R: ±15% max. from -55°C to +125°C
- Epoxy encapsulated
- Meets flame test requirements of UL Standard 94V-0



Also available in various lead formations, tolerances, and packaging. Please contact a Mouser Sales Representative for information.

Case Size	DIMENSIONS: in. (mm)				
	L Max.	H Max.	T Max.	Lead Spacing	LD (Nominal)
C617	.250 (6.35)	.220 (5.59)	.200 (5.08)	.170 (4.32)	.025 (.64)
C622/3	.320 (8.13)	.280 (7.11)	.250 (6.35)	.220 (5.59)	.025 (.64)
C627/8	.370 (9.40)	.300 (7.62)	.250 (6.35)	.275 (6.98)	.025 (.64)
C630/1	.450 (11.40)	.220 (5.59)	.200 (5.08)	.300 (7.62)	.025 (.64)
C637/8	.470 (11.90)	.400 (10.20)	.270 (6.89)	.375 (9.52)	.025 (.64)
C640	.550 (14.00)	.280 (7.11)	.250 (6.35)	.400 (10.16)	.025 (.64)
C647/8	.570 (14.50)	.500 (12.70)	.270 (6.89)	.475 (12.06)	.025 (.64)
C657/8	.670 (17.02)	.600 (15.24)	.270 (6.89)	.575 (14.60)	.025 (.64)
C668	.770 (19.56)	.720 (18.29)	.270 (6.89)	.675 (17.14)	.025 (.64)



C6XX Series, C0G

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt	Tol.	Price Each			
					1	25	50	100
80-C622C100KDG	C622C100KDG5TA	10	1000	10%				
80-C622C102JGD	C622C102JGD5TA	1000	1000	5%				
80-C627C102KGG	C627C102KGG5TA	1000	2000	10%				
80-C630C102KGG	C630C102KGG5TA	1000	2000	10%				
80-C637C102KGG	C637C102KGG5TA	1000	2000	10%				
80-C638C102KHG	C638C102KHG5TA	1000	3000	10%				
80-C657C102JGG	C657C102JGG5TA	1000	2000	5%				
80-C657C472JGG	C657C472JGG5TA	4700	2000	5%				
80-C657C103JGG	C657C103JGG5TA	0.01µF	2000	5%				
80-C667C103KGG	C667C103KGG5TA	0.01µF	2000	10%				
80-C668C103KGG	C668C103KGG5TA	0.01µF	2000	10%				

C6XX Series, X7R

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt	Tol.	Price Each			
					1	25	50	100
80-C617C102KDR	C617C102KDR5TA	1000	1000	10%				
80-C628C102KHR	C628C102KHR5TA	1000	3000	10%				
80-C630C102KDR	C630C102KDR5TA	1000	1000	10%				
80-C630C102KHR	C630C102KHR5TA	1000	3000	10%				
80-C637C102KGR	C637C102KGR5TA	1000	2000	10%				

C6XX Series, X7R (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt	Tol.	Price Each			
					1	25	50	100
0-C617C102KDR	C617C102KDR5TA	1000	1000	10%				
80-C628C102KHR	C628C102KHR5TA	1000	3000	10%				
80-C630C102KDR	C630C102KDR5TA	1000	1000	10%				
80-C630C102KHR	C630C102KHR5TA	1000	3000	10%				
80-C637C102KGR	C637C102KGR5TA	1000	2000	10%				
80-C638C102KGR	C638C102KGR5TA	1000	2000	10%				
80-C628C472KDR	C628C472KDR5TA	4700	1000	10%				
80-C628C472KHR	C628C472KHR5TA	4700	3000	10%				
80-C617C103KDR	C617C103KDR5TA	0.01µF	1000	10%				
80-C627C103KDR	C627C103KDR5TA	0.01µF	1000	10%				
80-C628C103KGR	C628C103KGR5TA	0.01µF	2000	10%				
80-C631C103KDR	C631C103KDR5TA	0.01µF	1000	10%				
80-C638C103KGR	C638C103KGR5TA	0.01µF	2000	10%				
80-C617C123KDR	C617C123KDR5TA	0.012µF	1000	10%				
80-C638C473KDR	C638C473KDR5TA	0.047µF	1000	10%				
80-C638C104KDR	C638C104KDR5TA	0.1µF	1000	10%				
80-C641C104KDR	C641C104KDR5TA	0.1µF	1000	10%				
80-C648C104KDR	C648C104KDR5TA	0.1µF	1000	10%				
80-C658C104KDR	C658C104KDR5TA	0.1µF	1000	10%				
80-C668C104KGR	C668C104KGR5TA	0.1µF	2000	10%				
80-C647C105KCR	C647C105KCR5TA	1.0µF	500	10%				
80-C648C105KCR	C648C105KCR5TA	1.0µF	500	10%				
80-C657C105KCR	C657C105KCR5TA	1.0µF	500	10%				
80-C658C105KCR	C658C105KCR5TA	1.0µF	500	10%				
80-C668C105KDR	C668C105KDR5TA	1.0µF	1000	10%				

KEMET Multilayer Ceramic Capacitors

CERAMIC "GOLDEN MAX" CONFORMAL COATED, RADIAL, C0G (NP0)

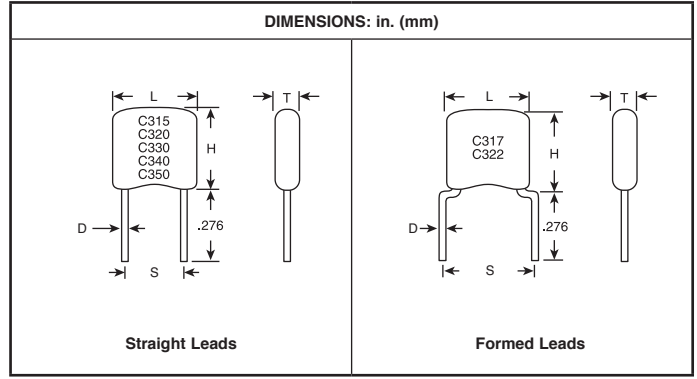
- Temperature characteristics: 0 ±30ppm/°C from -55°C to +125°C
- Epoxy encapsulated
- Meets flame test requirements of UL Standard 94V-0



RoHS Compliant

Also available in various lead formations, tolerances and packaging.
Please contact a Mouser Sales Representative for information.

DIMENSIONS: in. (mm)					
Case Size	L Max.	H Max.	T Max.	S (1) ± .030 (.76)	D + .004 (.10) - .001 (.76)
C315	.150 (3.81)	.210 (5.33)	.100 (2.54)	.100 (2.54)	.020 (.51)
C317	.150 (3.81)	.230 (5.84)	.100 (2.54)	.200 (5.08)	.020 (.51)
C320	.200 (5.08)	.260 (6.60)	.125 (3.18)	.100 (2.54)	.020 (.51)
C322	.200 (5.08)	.260 (6.60)	.125 (3.18)	.200 (5.08)	.020 (.51)
C323	.200 (5.08)	.320 (8.13)	.125 (3.18)	.200 (5.08)	.020 (.51)
C330	.300 (7.62)	.360 (9.14)	.150 (3.81)	.200 (5.08)	.020 (.51)
C340	.400 (10.16)	.460 (11.68)	.150 (3.81)	.200 (5.08)	.020 (.51)
C350	.500 (12.70)	.560 (14.22)	.200 (5.08)	.400 (10.16)	.025 (.64)



C0G (NP0)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt	Tol. (±)	Price Each				
					1	100	500	1000	2000
80-C315C229D2G	C315C229D2G5TA	2.2	200	0.5pF					
80-C315C279D2G	C315C279D2G5TA	2.7	200	0.5pF					
80-C315C479D2G	C315C479D2G5TA	4.7	200	0.5pF					
80-C315C569D2G	C315C569D2G5TA	5.6	200	0.5pF					
80-C315C689D2G	C315C689D2G5TA	6.8	200	0.5pF					
80-C315C100J1G	C315C100J1G5TA	10	100	5%					
80-C315C100J2G	C315C100J2G5TA	10	200	5%					
80-C317C100J2G	C317C100J2G5TA	10	200	5%					
80-C320C100J1G	C320C100J1G5TA	10	100	5%					
80-C322C100J2G	C322C100J2G5TA	10	200	5%					
80-C315C150J1G	C315C150J1G5TA	15	100	5%					
80-C315C150J2G	C315C150J2G5TA	15	200	5%					
80-C317C150J2G	C317C150J2G5TA	15	200	5%					
80-C315C180J1G	C315C180J1G5TA	18	100	5%					
80-C315C180J2G	C315C180J2G5TA	18	200	5%					
80-C317C180J2G	C317C180J2G5TA	18	200	5%					
80-C315C220J1G	C315C220J1G5TA	22	100	5%					
80-C317C220J2G	C317C220J2G5TA	22	200	5%					
80-C322C220J2G	C322C220J2G5TA	22	200	5%					
80-C315C270J2G	C315C270J2G5TA	27	200	5%					
80-C317C270J2G	C317C270J2G5TA	27	200	5%					
80-C322C270J2G	C322C270J2G5TA	27	200	5%					
80-C315C330J1G	C315C330J1G5TA	33	100	5%					
80-C315C330J2G	C315C330J2G5TA	33	200	5%					
80-C317C330J2G	C317C330J2G5TA	33	200	5%					
80-C322C330J2G	C322C330J2G5TA	33	200	5%					
80-C315C390J1G	C315C390J1G5TA	39	100	5%					
80-C315C390J2G	C315C390J2G5TA	39	200	5%					
80-C322C390J2G	C322C390J2G5TA	39	200	5%					
80-C315C470J1G	C315C470J1G5TA	47	100	5%					
80-C315C470J2G	C315C470J2G5TA	47	200	5%					
80-C322C470J2G	C322C470J2G5TA	47	200	5%					
80-C315C560J2G	C315C560J2G5TA	56	200	5%					
80-C317C560J2G	C317C560J2G5TA	56	200	5%					
80-C315C680J2G	C315C680J2G5TA	68	200	5%					
80-C315C680J1G	C315C680J1G5TA	68	100	5%					
80-C315C101J1G	C315C101J1G5TA	100	100	5%					
80-C317C101G2G	C317C101G2G5TA	100	200	5%					
80-C315C101J2G	C315C101J2G5TA	100	200	5%					
80-C317C101J2G	C317C101J2G5TA	100	200	5%					
80-C322C101J2G	C322C101J2G5TA	100	200	5%					
80-C315C121J1G	C315C121J1G5TA	120	100	5%					
80-C315C151J1G	C315C151J1G5TA	150	100	5%					
80-C315C151J2G	C315C151J2G5TA	150	200	5%					
80-C322C151J2G	C322C151J2G5TA	150	200	5%					
80-C315C181J1G	C315C181J1G5TA	180	100	5%					
80-C315C181J2G	C315C181J2G5TA	180	200	5%					
80-C317C181J1G	C317C181J1G5TA	180	100	5%					
80-C322C181J2G	C322C181J2G5TA	180	200	5%					
80-C315C221J1G	C315C221J1G5TA	220	100	5%					
80-C315C221J2G	C315C221J2G5TA	220	200	5%					
80-C317C221J1G	C317C221J1G5TA	220	100	5%					
80-C322C221J2G	C322C221J2G5TA	220	200	5%					
80-C322C271J2G	C322C271J2G5TA	270	200	5%					
80-C315C331J1G	C315C331J1G5TA	330	100	5%					
80-C315C331J2G	C315C331J2G5TA	330	200	5%					
80-C317C331J1G	C317C331J1G5TA	330	100	5%					
80-C320C331J1G	C320C331J1G5TA	330	100	5%					
80-C322C331J2G	C322C331J2G5TA	330	200	5%					
80-C315C391J1G	C315C391J1G5TA	390	100	5%					

C0G (NP0) (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt	Tol. (±)	Price Each				
					1	100	500	1000	2000
80-C315C471J1G	C315C471J1G5TA	470	100	5%					
80-C315C471J2G	C315C471J2G5TA	470	200	5%					
80-C317C471J2G	C317C471J2G5TA	470	200	5%					
80-C317C471J1G	C317C471J1G5TA	470	100	5%					
80-C322C471J1G	C322C471J1G5TA	470	100	5%					
80-C320C471J1G	C320C471J1G5TA	470	100	5%					
80-C322C471J2G	C322C471J2G5TA	470	200	5%					
80-C315C561J1G	C315C561J1G5TA	560	100	5%					
80-C317C561J1G	C317C561J1G5TA	560	100	5%					
80-C320C561J2G	C320C561J2G5TA	560	200	5%					
80-C315C681J1G	C315C681J1G5TA	680	100	5%					
80-C322C681J1G	C322C681J1G5TA	680	100	5%					
80-C322C681J2G	C322C681J2G5TA	680	200	5%					
80-C315C821J1G	C315C821J1G5TA	820	100	5%					
80-C322C821J1G	C322C821J1G5TA	820	100	5%					
80-C315C102F1G	C315C102F1G5TA	1000	100	1%					
80-C315C102G1G	C315C102G1G5TA	1000	100	2%					
80-C320C102G1G	C320C102G1G5TA	1000	100	2%					
80-C315C102J1G	C315C102J1G5TA	1000	100	5%					
80-C317C102J1G	C317C102J1G5TA	1000	100	5%					
80-C320C102J1G	C320C102J1G5TA	1000	100	5%					
80-C320C102J2G	C320C102J2G5TA	1000	200	5%					
80-C322C102J1G	C322C102J1G5TA	1000	100	5%					
80-C322C102J2G	C322C102J2G5TA	1000	200	5%					
80-C320C122J2G	C320C122J2G5TA	1200	200	5%					
80-C322C122J1G	C322C122J1G5TA	1200	100	5%					
80-C320C152J1G	C320C152J1G5TA	1500	100	5%					
80-C320C152J2G	C320C152J2G5TA	1500	200	5%					
80-C322C152J1G	C322C152J1G5TA	1500	100	5%					
80-C322C152J2G	C322C152J2G5TA	1500	200	5%					
80-C320C182J1G	C320C182J1G5TA	1800	100	5%					
80-C322C182J1G	C322C182J1G5TA	1800	100	5%					
80-C320C222J1G	C320C222J1G5TA	2200	100	5%					
80-C320C222J2G	C320C222J2G5TA	2200	200	5%					
80-C322C222J1G	C322C222J1G5TA	2200	100	5%					
80-C322C222J2G	C322C222J2G5TA	2200	200	5%					
80-C320C272J1G	C320C272J1G5TA	2700	100	5%					
80-C322C272J1G	C322C272J1G5TA	2700	100	5%					
80-C320C332J1G	C320C332J1G5TA	3300	100	5%					
80-C322C332F1G	C322C332F1G5TA	3300	100	1%					
80-C322C332J1G	C322C332J1G5TA	3300	100	5%					
80-C322C332J2G	C322C332J2G5TA	3300	200	5%					
80-C322C392J1G	C322C392J1G5TA	3900	100	5%					
80-C320C472J1G	C320C472J1G5TA	4700	100	5%					
80-C322C472J1G	C322C472J1G5TA	4700	100	5%					
80-C322C562J1G	C322C562J1G5TA	5600	100	5%					
80-C330C682J1G	C330C682J1G5TA	6800	100	5%					
80-C330C822F1G	C330C822F1G5TA	8200	100	1%					
80-C330C822J1G	C330C822J1G5TA	8200	100	5%					
80-C330C103F1G	C330C103F1G5TA	10000	100	1%					
80-C330C103J1G	C330C103J1G5TA	.01µF	100	5%					
80-C330C103J2G	C330C103J2G5TA	.01µF	200	5%					
80-C330C123J1G	C330C123J1G5TA	.012µF	100	5%					
80-C330C153J1G	C330C153J1G5TA	.015µF	100	5%					
80-C330C223J1G	C330C223J1G5TA	.022µF	100	5%					
80-C330C273J1G	C330C273J1G5TA	.027µF	100	5%					
80-C340C333J1G	C340C333J1G5TA	.033µF	100	5%					
80-C340C473J1G	C340C473J1G5TA	.047µF	100	5%					
80-C340C563J1G	C340C563J1G5TA	.056µF	100	5%					
80-C340C683J1G	C340C683J1G5TA	.068µF	100	5%					

KEMET Multilayer Ceramic Capacitors

The Capacitance Company
KEMET
CHARGED:

The Capacitance Company
KEMET
CHARGED:

CERAMIC "GOLDEN MAX" CONFORMAL COATED, RADIAL, X7R AND Z5U

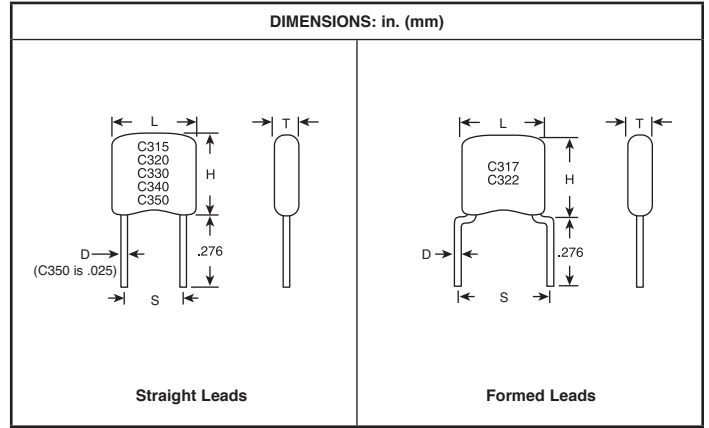
- Temperature Characteristics: X7R: ±15% from -55°C to +125°C; Z5U: +22%, -56% from +10°C to +85°C
- Meets flame test requirements of UL Standard 94V-0.
- Epoxy Encapsulated

Also available in various lead formations, tolerances and packing.
Please contact a Mouser Sales Representative for information.



Ceramic Caps, Leaded

DIMENSIONS: in. (mm)					
Case Size	L Max.	H Max.	T Max.	S (1) ± .030 (.76)	D + .004 (.10) - .001 (.76)
C315	.150 (3.81)	.210 (5.33)	.100 (2.54)	.100 (2.54)	.020 (.51)
C317	.150 (3.81)	.230 (5.84)	.100 (2.54)	.200 (5.08)	.020 (.51)
C320	.200 (5.08)	.260 (6.60)	.125 (3.18)	.100 (2.54)	.020 (.51)
C322	.200 (5.08)	.260 (6.60)	.125 (3.18)	.200 (5.08)	.020 (.51)
C323	.200 (5.08)	.320 (8.13)	.125 (3.18)	.200 (5.08)	.020 (.51)
C330	.300 (7.62)	.360 (9.14)	.150 (3.81)	.200 (5.08)	.020 (.51)
C340	.400 (10.16)	.460 (11.68)	.150 (3.81)	.200 (5.08)	.020 (.51)
C350	.500 (12.70)	.560 (14.22)	.200 (5.08)	.400 (10.16)	.025 (.64)



X7R

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt	Tol.	Price Each			
					1	100	500	1000
80-C315C101K2R	C315C101K2R5TA	100	200	10%				
80-C317C101K2R	C317C101K2R5TA	100	200	10%				
80-C315C221K2R	C315C221K2R5TA	220	200	10%				
80-C315C331K1R	C315C331K1R5TA	330	100	10%				
80-C315C471K1R	C315C471K1R5TA	470	100	10%				
80-C315C471K2R	C315C471K2R5TA	470	200	10%				
80-C315C102K5R	C315C102K5R5TA	1000	50	10%				
80-C315C102K1R	C315C102K1R5TA	1000	100	10%				
80-C315C102K2R	C315C102K2R5TA	1000	200	10%				
80-C317C102K1R	C317C102K1R5TA	1000	100	10%				
80-C317C102K2R	C317C102K2R5TA	1000	200	10%				
80-C322C102K2R	C322C102K2R5TA	1000	200	10%				
80-C315C152K1R	C315C152K1R5TA	1500	100	10%				
80-C315C222K1R	C315C222K1R5TA	2200	100	10%				
80-C317C222K1R	C317C222K1R5TA	2200	100	10%				
80-C320C222K2R	C320C222K2R5TA	2200	200	10%				
80-C322C222K2R	C322C222K2R5TA	2200	200	10%				
80-C315C332K5R	C315C332K5R5TA	3300	50	10%				
80-C315C332K1R	C315C332K1R5TA	3300	100	10%				
80-C317C332K1R	C317C332K1R5TA	3300	100	10%				
80-C315C472K5R	C315C472K5R5TA	4700	50	10%				
80-C315C472K1R	C315C472K1R5TA	4700	100	10%				
80-C317C472K1R	C317C472K1R5TA	4700	100	10%				
80-C320C472K2R	C320C472K2R5TA	4700	200	10%				
80-C322C472K1R	C322C472K1R5TA	4700	100	10%				
80-C322C472K2R	C322C472K2R5TA	4700	200	10%				
80-C315C682K1R	C315C682K1R5TA	6800	100	10%				
80-C315C103K5R	C315C103K5R5TA	.01µF	50	10%				
80-C315C103K1R	C315C103K1R5TA	.01µF	100	10%				
80-C317C103K5R	C317C103K5R5TA	.01µF	50	10%				
80-C317C103K1R	C317C103K1R5TA	.01µF	100	10%				
80-C320C103K5R	C320C103K5R5TA	10000	50	10%				
80-C320C103K2R	C320C103K2R5TA	.01µF	200	10%				
80-C322C103K5R	C322C103K5R5TA	.01µF	50	10%				
80-C322C103K1R	C322C103K1R5TA	.01µF	100	10%				
80-C322C103K2R	C322C103K2R5TA	.01µF	200	10%				
80-C315C153K5R	C315C153K5R5TA	.015µF	50	10%				
80-C320C153K1R	C320C153K1R5TA	.015µF	100	10%				
80-C315C223K5R	C315C223K5R5TA	.022µF	50	10%				
80-C320C223K1R	C320C223K1R5TA	.022µF	100	10%				
80-C322C223K5R	C322C223K5R5TA	.022µF	50	10%				
80-C320C273K5R	C320C273K5R5TA	27000	50	10%				
80-C315C333K5R	C315C333K5R5TA	.033µF	50	10%				
80-C320C333K1R	C320C333K1R5TA	.033µF	100	10%				
80-C322C333K5R	C322C333K5R5TA	.033µF	50	10%				
80-C320C473K5R	C320C473K5R5TA	.047µF	50	10%				
80-C320C473K1R	C320C473K1R5TA	.047µF	100	10%				
80-C322C473K5R	C322C473K5R5TA	.047µF	50	10%				
80-C322C473K1R	C322C473K1R5TA	.047µF	100	10%				
80-C320C683K5R	C320C683K5R5TA	.068µF	50	10%				
80-C322C683K5R	C322C683K5R5TA	.068µF	50	10%				
80-C320C104K5R	C320C104K5R5TA	0.1µF	50	10%				
80-C320C104J5R	C320C104J5R5TA	0.1µF	50	5%				

X7R (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt	Tol.	Price Each			
					1	100	500	1000
80-C320C104K1R	C320C104K1R5TA	0.1µF	100	10%				
80-C320C104M5R	C320C104M5R5TA	0.1µF	50	20%				
80-C322C104K5R	C322C104K5R5TA	0.1µF	50	10%				
80-C322C104K1R	C322C104K1R5TA	0.1µF	100	10%				
80-C330C104K1R	C330C104K1R5TA	0.1µF	100	10%				
80-C330C104M1R	C330C104M1R5TA	0.1µF	100	10%				
80-C330C104K2R	C330C104K2R5TA	0.1µF	200	10%				
80-C320C154K5R	C320C154K5R5TA	0.15µF	50	10%				
80-C322C154K5R	C322C154K5R5TA	0.15µF	50	10%				
80-C320C224K5R	C320C224K5R5TA	0.22µF	50	10%				
80-C322C224K5R	C322C224K5R5TA	0.22µF	50	10%				
80-C340C224K2R	C340C224K2R5TA	0.22µF	200	10%				
80-C322C274K5R	C322C274K5R5TA	0.27µF	50	10%				
80-C330C334K5R	C330C334K5R5TA	0.33µF	50	10%				
80-C340C474K1R	C340C474K1R5TA	0.47µF	100	10%				
80-C330C474K5R	C330C474K5R5TA	0.47µF	50	10%				
80-C330C105K5R	C330C105K5R5TA	1.0µF	50	10%				
80-C340C105K5R	C340C105K5R5TA	1.0µF	50	10%				
80-C340C105K1R	C340C105K1R5TA	1.0µF	100	10%				
80-C340C155K5R	C340C155K5R5TA	1.5µF	50	10%				
80-C340C225K5R	C340C225K5R5TA	2.2µF	50	10%				

Z5U

For quantities greater than listed, call for quote.

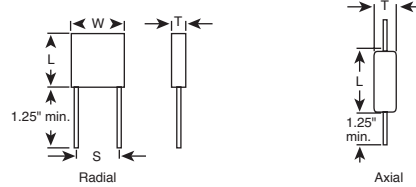
MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt	Tol.	Price Each			
					1	100	500	1000
80-C315C102M1U	C315C102M1U5TA	1000	100	20%				
80-C315C222M1U	C315C222M1U5TA	2200	100	20%				
80-C315C103M1U	C315C103M1U5TA	0.01µF	100	20%				
80-C317C103M5U	C317C103M5U5TA	0.01µF	50	20%				
80-C320C103M5U	C320C103M5U5TA	0.01µF	50	20%				
80-C315C473M5U	C315C473M5U5TA	.047µF	50	20%				
80-C315C104M5U	C315C104M5U5TA	0.1µF	50	20%				
80-C317C104M5U	C317C104M5U5TA	0.1µF	50	20%				
80-C320C104M1U	C320C104M1U5TA	0.1µF	100	20%				
80-C320C224M5U	C320C224M5U5TA	0.22µF	50	20%				
80-C320C334M5U	C320C334M5U5TA	0.33µF	50	20%				
80-C320C474M5U	C320C474M5U5TA	0.47µF	50	20%				
80-C340C105M1U	C340C105M1U5TA	1.0µF	100	20%				
80-C330C155M5U	C330C155M5U5TA	1.5µF	50	20%				
80-C340C225M5U	C340C225M5U5TA	2.2µF	50	20%				
80-C340C335M5U	C340C335M5U5TA	3.3µF	50	20%				
80-C340C475M5U	C340C475M5U5TA	4.7µF	50	20%				

KEMET High Temperature Ceramic Capacitors

KEMET 200°C CERAMIC CAPACITORS

Applications:

- Down Hole
- Industrial
- Harsh Environment



DIMENSIONS: in.

HT Series High Temperature Ceramic Capacitors (+200°C)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Temp. Coef.	Value (μF)	Volt (Vdc)	Tol. (±)	Dimensions: in. (max)			Lead Spacing (S)	Price Each					
						W	L	T		1	5	10	20		
Radial Lead															
80-HT05CN101J	HT05CN101J	C0G	100pF	100	5%	0.20	0.20	0.10	0.1						
80-HT55BB562K	HT55BB562K	X7R	0.0056	50	10%	0.20	0.20	0.10	0.2						
80-HT06CW104K	HT06CW104K	X7R	0.1	100	10%	0.30	0.30	0.15	0.2						
Axial Lead															
80-HT13CN471K	HT13CN471K	C0G	470pF	100	10%	---	0.26	0.135	---						
80-HT13CN102J	HT13CN102J	C0G	0.001	100	5%	---	0.26	0.135	---						
80-HT14CN472J	HT14CN472J	C0G	0.0047	100	5%	---	0.40	0.155	---						
80-HT13CB103J	HT13CB103J	X7R	0.01	100	5%	---	0.26	0.135	---						

HV Series High Temperature/High Voltage Radial Lead Ceramic Capacitors (+200°C)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Temp. Coef.	Value (μF)	Volt (Vdc)	Tol. (±)	Dimensions: in. (max)			Lead Spacing (S)	Price Each			
						W	L	T		1	5	10	20
80-10HV20B102K	10HV20B102K	X7R	0.001	1000	10%	0.25	0.22	0.2	0.17				
80-30HV22B102K	30HV22B102K	X7R	0.001	3000	10%	0.37	0.3	0.25	0.275				
80-05HV10B103K	05HV10B103K	X7R	0.01	500	10%	0.25	0.22	0.15	0.17				
80-10HV20B103K	10HV20B103K	X7R	0.01	1000	10%	0.25	0.22	0.2	0.17				
80-10HV12B103Z	10HV12B103Z	X7R	0.01	1000	-20%/80	0.42	0.4	0.25	0.3				
80-20HV13B103P	20HV13B103P	X7R	0.01	2000	0/+100	0.52	0.5	0.3	0.4				
80-30HV14B103K	30HV14B103K	X7R	0.01	3000	10%	0.62	0.5	0.3	0.5				
80-10HV25B224K	10HV25B224K	X7R	0.22	1000	10%	0.67	0.6	0.27	0.575				
80-05HV24B105K	05HV24B105K	X7R	1.0	500	10%	0.57	0.5	0.27	0.475				

KEMET 125°C UP TO 260°C C3 CERAMIC CASED CAPACITORS

Specifications:

- Elimination of cracking through uniform coefficient of linear expansion
- No "pull away" of epoxy potting from epoxy case at elevated temperatures
- Resistant to moisture penetration
- Superior volumetric efficiency
- Patented design

Applications:

- Down Hole
- Industrial
- Harsh Environment

Radial Lead C3 Standard (+125°C)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Temp. Coef.	Value (μF)	Volt (Vdc)	Tol. (±)	Dimensions: in. (max)			Lead Spacing (S)	Price Each			
						W	L	T		1	5	10	20
80-SRR05B104KGS	SRR05B104KGS	X7R	0.1	50	10%	0.2	0.2	0.1	0.2				

Radial Lead C3 High Temperature (+200°C)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Temp. Coef.	Value (μF)	Volt (Vdc)	Tol. (±)	Dimensions: in. (max)			Lead Spacing (S)	Price Each			
						W	L	T		1	5	10	20
80-ACR05B100KGS	ACR05B100KGS	C0G	10pF	50	10%	0.2	0.2	0.1	0.2				
80-ACR05B220KGS	ACR05B220KGS	C0G	22pF	50	10%	0.2	0.2	0.1	0.2				
80-ACR05B330KGS	ACR05B330KGS	C0G	33pF	50	10%	0.2	0.2	0.1	0.2				
80-ACR05B680KGS	ACR05B680KGS	C0G	68pF	50	10%	0.2	0.2	0.1	0.2				
80-ACR05B101KGS	ACR05B101KGS	C0G	100pF	50	10%	0.2	0.2	0.1	0.2				
80-ACR05B271KGS	ACR05B271KGS	C0G	270pF	50	10%	0.2	0.2	0.1	0.2				
80-ACR05B471JGS	ACR05B471JGS	C0G	470pF	50	5%	0.2	0.2	0.1	0.2				
80-ACR05B102KGS	ACR05B102KGS	C0G	0.001	50	10%	0.2	0.2	0.1	0.2				
80-ACR05D103JGS	ACR05D103JGS	C0G	0.01	100	5%	0.2	0.2	0.1	0.2				
80-ACR06D103KGS	ACR06D103KGS	C0G	0.01	100	10%	0.3	0.3	0.1	0.2				
80-ARR05B103KGS	ARR05B103KGS	X7R	0.01	50	10%	0.2	0.2	0.1	0.2				
80-ARR05B104KGS	ARR05B104KGS	X7R	0.1	50	10%	0.2	0.2	0.1	0.2				
80-ARR07B104KGS	ARR07B104KGS	X7R	0.1	50	10%	0.3	0.3	0.15	0.2				
80-ARR06D104KGS	ARR06D104KGS	X7R	0.1	100	10%	0.3	0.3	0.1	0.2				
80-ARR06B154KGS	ARR06B154KGS	X7R	0.15	50	10%	0.3	0.3	0.1	0.2				
80-ARR07B105KGS	ARR07B105KGS	X7R	1.0	50	10%	0.3	0.3	0.15	0.2				
80-ARR07D105KGS	ARR07D105KGS	X7R	1.0	100	10%	0.3	0.3	0.15	0.2				
80-ARR08D105JGS	ARR08D105JGS	X7R	1.0	100	5%	0.5	0.5	0.1	0.4				

Axial Lead C3 High Temperature (+200°C)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Temp. Coef.	Value (μF)	Volt (Vdc)	Tol. (±)	Dimensions: in. (max)			Lead Spacing (S)	Price Each			
						W	L	T		1	5	10	20
80-ARA16B103KGS	ARA16B103KGS	X7R	0.01	50	10%	---	0.17	0.03	---				
80-ARA25B104KGS	ARA25B104KGS	X7R	0.1	50	10%	---	0.28	0.1	---				

Radial Lead C3 High Temperature (+260°C)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Temp. Coef.	Value (μF)	Volt (Vdc)	Tol. (±)	Dimensions: in. (max)			Lead Spacing (S)	Price Each			
						W	L	T		1	5	10	20
80-TCR06B103JGS	TCR06B103JGS	C0G	0.01	50	5%	0.3	0.3	0.1	0.2				
80-TRR06B105KGS	TRR06B105KGS	X7R	1.0	50	10%	0.3	0.3	0.1	0.2				

MURATA Radial Ceramic Capacitors

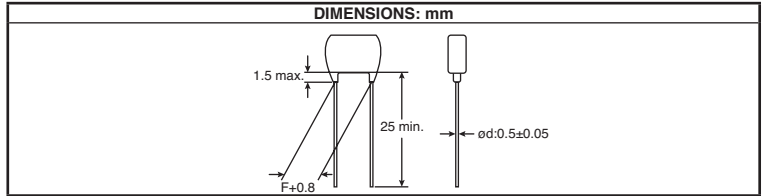


RoHS Compliant This product is RoHS compliant.

MURATA RADIAL HIGH VOLTAGE CAPACITORS

Features:

- Small size and large capacitance.
- Low ESR/ESL - suitable for high frequency.
- Meets AEC-Q200 requirements.
- Coated with epoxy or silicone resin which is suitable for heat cycle.



For quantities greater than listed, call for quote.

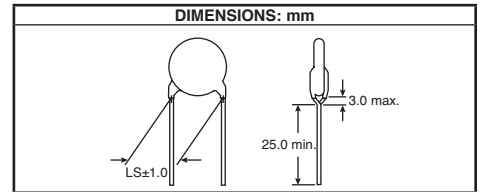
MOUSER STOCK NO.	Murata Part No.	Value (pF)	Tol. (%)	Volt. (KVdc)	Lead Space (mm)	Temp. Coeff.	Price Each		
							1	100	500
81-RHDL82A104K2K1C3B	RHDL82A104K2K1C03B	.10uF	10	100	5.0	X8L			
81-RHDL81H154K2K1C3B	RHDL81H154K2K1C03B	0.15	10	50	5.0	X8L			
81-RHDL81H224K2K1C3B	RHDL81H224K2K1C03B	0.22	10	50	5.0	X8L			
81-RHDL81H334K2K1C3B	RHDL81H334K2K1C03B	0.33	10	50	5.0	X8L			
81-RHDL81H474K2K1C3B	RHDL81H474K2K1C03B	0.47	10	50	5.0	X8L			
81-RHDL81H684K2K1C3B	RHDL81H684K2K1C03B	0.68	10	50	5.0	X8L			
81-RHDL81H105K2K1C3B	RHDL81H105K2K1C03B	1.0	10	50	5.0	X8L			
81-RHDL82A333K2K1C3B	RHDL82A333K2K1C03B	33000	10	100	5.0	X8L			
81-RHDL82A473K2K1C3B	RHDL82A473K2K1C03B	47000	10	100	5.0	X8L			
81-RHDL82A683K2K1C3B	RHDL82A683K2K1C03B	68000	10	100	5.0	X8L			
81-RHEL81H104K1K1A3B	RHEL81H104K1K1A03B	0.10	10	50	5.0	X8L			
81-RHEL81H102K1K1A3B	RHEL81H102K1K1A03B	1000	10	50	5.0	X8L			
81-RHEL82A102K1K1A3B	RHEL82A102K1K1A03B	1000	10	100	5.0	X8L			
81-RHEL81H152K1K1A3B	RHEL81H152K1K1A03B	1500	10	50	5.0	X8L			
81-RHEL82A152K1K1A3B	RHEL82A152K1K1A03B	1500	10	100	5.0	X8L			
81-RHEL81H222K1K1A3B	RHEL81H222K1K1A03B	2200	10	50	5.0	X8L			
81-RHEL82A222K1K1A3B	RHEL82A222K1K1A03B	2200	10	100	5.0	X8L			
81-RHEL81H332K1K1A3B	RHEL81H332K1K1A03B	3300	10	50	5.0	X8L			
81-RHEL82A332K1K1A3B	RHEL82A332K1K1A03B	3300	10	100	5.0	X8L			
81-RHEL81H472K1K1A3B	RHEL81H472K1K1A03B	4700	10	50	5.0	X8L			
81-RHEL82A472K1K1A3B	RHEL82A472K1K1A03B	4700	10	100	5.0	X8L			
81-RHEL81H682K1K1A3B	RHEL81H682K1K1A03B	6800	10	50	5.0	X8L			
81-RHEL82A682K1K1A3B	RHEL82A682K1K1A03B	6800	10	100	5.0	X8L			
81-RHEL81H103K1K1A3B	RHEL81H103K1K1A03B	10000	10	50	5.0	X8L			
81-RHEL82A103K1K1A3B	RHEL82A103K1K1A03B	10000	10	100	5.0	X8L			
81-RHEL81H153K1K1A3B	RHEL81H153K1K1A03B	15000	10	50	5.0	X8L			
81-RHEL82A153K1K1A3B	RHEL82A153K1K1A03B	15000	10	100	5.0	X8L			
81-RHEL81H223K1K1A3B	RHEL81H223K1K1A03B	22000	10	50	5.0	X8L			
81-RHEL82A223K1K1A3B	RHEL82A223K1K1A03B	22000	10	100	5.0	X8L			
81-RHEL81H333K1K1A3B	RHEL81H333K1K1A03B	33000	10	50	5.0	X8L			
81-RHEL81H473K1K1A3B	RHEL81H473K1K1A03B	47000	10	50	5.0	X8L			
81-RHEL81H683K1K1A3B	RHEL81H683K1K1A03B	68000	10	50	5.0	X8L			

MURATA RADIAL HIGH VOLTAGE CAPACITORS

Applications:

- Ideal for use as the ballast in back lighting inverters for liquid crystal display.
- Ideal for use on high frequency pulse circuits such as a horizontal resonance circuit for CTV and snubber circuits for switching power supplies.
- Ideal use on decoupling circuit for power supply

Code	Temperature Characteristics	Cap. Change or Temp. Coeff	Temperature Range
B3	B	±10%	
E3	E	+20%-55%	-25 to +85°C
F3	F	+30%-80%	
R3	R	±15%	-25 to +85°C
1X	SL	+15%-30%	+85 to 125°C
		+350 to -1000ppm/°C	+20 to 85°C



For quantities greater than listed, call for quote.

Mfr.	Mfr. Part No.	Value (pF)	Tol. (%)	Volt. (KVdc)	Lead Space (mm)	Temp. Coeff.	Price Each		
							1	100	500
81-DEA1X3A100JC1B		10	5	1.0	5.0	SL			
81-DEA1X3F100JCDB		10	5	3.15	7.5	SL			
81-DEA1X3A120JC1B		12	5	1.0	5.0	SL			
81-DEA1X3A150JC1B		15	5	1.0	5.0	SL			
81-DEA1X3F150JCDB		15	5	3.15	7.5	SL			
81-DEA1X3F180JCDB		18	5	3.15	7.5	SL			
81-DEA1X3A220JC1B		22	5	1.0	5.0	SL			
81-DEA1X3F220JCDB		22	5	3.15	7.5	SL			
81-DEA1X3A270JC1B		27	5	1.0	5.0	SL			
81-DEA1X3A330JC1B		33	5	1.0	5.0	SL			
81-DEA1X3A470JC1B		47	5	1.0	5.0	SL			
81-DEA1X3D470JA2B		47	5	2.0	5.0	SL			
81-DEA1X3A680JC1B		68	5	1.0	5.0	SL			
81-DEA1X3A820JA2B		82	5	1.0	5.0	SL			
81-DEA1X3A101JA2B		100	5	1.0	5.0	SL			
81-DEA1X3D101JA2B		100	5	2.0	5.0	SL			
81-DEA1X3F101JA3B		100	5	3.15	7.5	SL			
81-DEA1X3A121JA2B		120	5	1.0	5.0	SL			
81-DEA1X3A151JA2B		150	5	1.0	5.0	SL			
81-DEA1X3A221JA2B		220	5	1.0	5.0	SL			
81-DEA1X3D221JA2B		220	5	2.0	5.0	SL			
81-DEA1X3A271JA2B		270	5	1.0	5.0	SL			
81-DEA1X3D271JA2B		270	5	2.0	5.0	SL			
81-DEA1X3A331JA2B		330	5	1.0	5.0	SL			
81-DEA1X3A391JA2B		390	5	1.0	5.0	SL			
81-DEA1X3A471JA2B		470	5	1.0	5.0	SL			
81-DEA1X3D471JA3B		470	5	2.0	7.5	SL			
81-DEA1X3D561JA3B		560	5	2.0	7.5	SL			
81-DEBB33D101KC1B		100	10	2.0	5.0	B3			
81-DEBB33F101KCDB		100	10	3.15	7.5	B3			
81-DEBB33D151KC1B		150	10	2.0	5.0	B3			
81-DEBB33D221KC1B		220	10	2.0	5.0	B3			
81-DEBB33D331KC1B		330	10	2.0	5.0	B3			
81-DEBB33D471KA2B		470	10	2.0	5.0	B3			
81-DEBB33F471KA3B		470	10	3.15	7.5	B3			
81-DEBB33A681KA2B		680	10	1.0	5.0	B3			

For quantities greater than listed, call for quote.

Mfr.	Mfr. Part No.	Value (pF)	Tol. (%)	Volt. (KVdc)	Lead Space (mm)	Temp. Coeff.	Price Each		
							1	100	500
81-DEBB33D681KA2B		680	10	2.0	5.0	B3			
81-DEBB33F681KA3B		680	10	3.15	7.5	B3			
81-DEBB33A102KA2B		1,000	10	1.0	5.0	B3			
81-DEBB33D102KA2B		1,000	10	2.0	5.0	B3			
81-DEBB33F102KA3B		1,000	10	3.15	7.5	B3			
81-DEBB33A152KA2B		1,500	10	1.0	5.0	B3			
81-DEBB33D152KA2B		1,500	10	2.0	5.0	B3			
81-DEBB33A222KA2B		2,200	10	1.0	5.0	B3			
81-DEBB33D222KA2B		2,200	10	2.0	5.0	B3			
81-DEBB33A332KA2B		3,300	10	1.0	5.0	B3			
81-DEBB33F332KA3B		3,300	10	3.15	7.5	B3			
81-DEBB33A472KA3B		4,700	10	1.0	7.5	B3			
81-DEBB33D472KA3B		4,700	10	2.0	7.5	B3			
81-DEBB33A682KA3B		6,800	10	1.0	7.5	B3			
81-DEBE33F102ZC3B		1,000	+80-20	3.15	7.5	E3			
81-DEBE33F222ZA3B		2,200	+80-20	3.15	7.5	E3			
81-DEBE33F472ZA3B		4,700	+80-20	3.15	7.5	E3			
81-DEBE33A103ZA3B		10,000	+80-20	1.0	7.5	E3			
81-DEBE33D103ZA3B		10,000	+80-20	2.0	7.5	E3			
81-DEBF33D102ZC1B		1,000	+80-20	2.0	5.0	F3			
81-DEBF33A222ZA2B		2,200	+80-20	1.0	5.0	F3			
81-DEBF33A472ZA2B		4,700	+80-20	1.0	5.0	F3			
81-DEBF33A103ZA2B		10,000	+80-20	1.0	5.0	F3			
81-DEBF33D103ZA3B		10,000	+80-20	2.0	7.5	F3			
81-DEHR33D391KA3B		390	10	2.0	7.5	R3			
81-DEHR33F391KA3B		390	10	3.15	7.5	R3			
81-DEHR33F471KA3B		470	10	3.15	7.5	R3			
81-DEHR33D561KA3B		560	10	2.0	7.5	R3			
81-DEHR33F561KA3B		560	10	3.15	7.5	R3			
81-DEHR33A102KA2B		1,000	10	1.0	5.0	R3			
81-DEHR33D102KA3B		1,000	10	2.0	7.5	R3			
81-DEHR33D122KA3B		1,200	10	2.0	7.5	R3			
81-DEHR33D152KA3B		1,500	10	2.0	7.5	R3			
81-DEHR33D182KA3B		1,800	10	2.0	7.5	R3			
81-DEHR33A472KA3B		4,700	10	1.0	7.5	R3			

MURATA Multilayer Ceramic Radial Capacitors



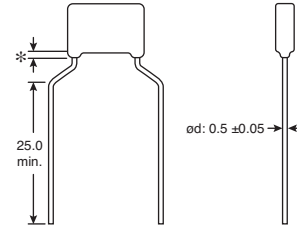
MURATA RPE SERIES CAPACITORS

This product is RoHS compliant.

Specifications:

- Temperature Characteristics:
 - COG ±30ppm/°C from -55°C to +125°C
 - X7R ±15% from -55°C to +125°C
 - Z5U -56%, +22% from +10°C to +85°C
- Case Size: 5.0 x 3.5mm
- Lead Space: 2.5mm
- D.F.: $\leq 0.8\%$ @ 1kHz

DIMENSIONS: mm



* Coating extension does not exceed the end of lead bend

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Tol. ±	Price Each			
				1	50	100	500
COG 50 Volts							
81-RPE5CH1R0C2P1B03B	RPE5C1H1R0C2P1B03B	1.0	.25pF				
81-RPE5CH2R0C2P1B03B	RPE5C1H2R0C2P1B03B	2.0	.25pF				
81-RPE5C1H3R0C2P1B03	RPE5C1H3R0C2P1B03B	3.0	.25pF				
81-RPE5C1H3R9C2P1B03	RPE5C1H3R9C2P1B03B	3.9	.25pF				
81-RPE5CH4R0C2P1B03B	RPE5C1H4R0C2P1B03B	4.0	.25pF				
81-RPE5C1H6R0D2P1B03	RPE5C1H6R0D2P1B03B	6.0	.5pF				
81-RPE5C1H7R0D2P1Z03	RPE5C1H7R0D2P1Z03B	7.0	.5pF				
81-RPE5C1H8R0D2P1Z03	RPE5C1H8R0D2P1Z03B	8.0	.5pF				
81-RPE5C1H9R0D2P1Z03	RPE5C1H9R0D2P1Z03B	9.0	.5pF				
81-RPE5C1H100J2P1Z03	RPE5C1H100J2P1Z03B	10	5%				
81-RPE5C1H120J2P1Z03	RPE5C1H120J2P1Z03B	12	5%				
81-RPE5C1H150J2P1Z03	RPE5C1H150J2P1Z03B	15	5%				
81-RPE5C1H180J2P1Z03	RPE5C1H180J2P1Z03B	18	5%				
81-RPE5C1H220J2P1Z03	RPE5C1H220J2P1Z03B	22	5%				
81-RPE5C1H240J2P1Z03	RPE5C1H240J2P1Z03B	24	5%				
81-RPE5C1H300J2P1Z03	RPE5C1H300J2P1Z03B	30	5%				
81-RPE5C1H330J2P1Z03	RPE5C1H330J2P1Z03B	33	5%				
81-RPE5C1H390J2P1Z03	RPE5C1H390J2P1Z03B	39	5%				
81-RPE5C1H430J2P1Z03	RPE5C1H430J2P1Z03B	43	5%				
81-RPE5C1H470J2P1Z03	RPE5C1H470J2P1Z03B	47	5%				
81-RPE5C1H560J2P1Z03	RPE5C1H560J2P1Z03B	56	5%				
81-RPE5C1H680J2P1Z03	RPE5C1H680J2P1Z03B	68	5%				
81-RPE5C1H750J2P1Z03	RPE5C1H750J2P1Z03B	75	5%				
81-RPE5C1H820J2P1Z03	RPE5C1H820J2P1Z03B	82	5%				
81-RPE5C1H101J2P1A03	RPE5C1H101J2P1A03B	100	5%				
81-RPE5C1H121J2P1A03	RPE5C1H121J2P1A03B	120	5%				
81-RPE5C1H151J2P1A03	RPE5C1H151J2P1A03B	150	5%				
81-RPE5C1H181J2P1A03	RPE5C1H181J2P1A03B	180	5%				
81-RPE5C1H221J2P1A03	RPE5C1H221J2P1A03B	220	5%				
81-RPE5C1H271J2P1A03	RPE5C1H271J2P1A03B	270	5%				
81-RPE5C1H331J2P1A03	RPE5C1H331J2P1A03B	330	5%				
81-RPE5C1H361J2P1A03	RPE5C1H361J2P1A03B	360	5%				
81-RPE5C1H391J2P1A03	RPE5C1H391J2P1A03B	390	5%				
81-RPE5C1H471J2P1A03	RPE5C1H471J2P1A03B	470	5%				
81-RPE5C1H561J2P1A03	RPE5C1H561J2P1A03B	560	5%				
81-RPE5C1H681J2P1A03	RPE5C1H681J2P1A03B	680	5%				
81-RPE5C1H821J2P1A03	RPE5C1H821J2P1A03B	820	5%				
81-RPE5C1H102J2P1A03	RPE5C1H102J2P1A03B	1000	5%				
81-RPE5C1H122J2P1A03	RPE5C1H122J2P1A03B	1200	5%				
81-RPE5C1H152J2P1A03	RPE5C1H152J2P1A03B	1500	5%				
81-RPE5C1H182J2P1C03	RPE5C1H182J2P1C03B	1800	5%				
81-RPE5C1H222J2P1C03	RPE5C1H222J2P1C03B	2200	5%				
X7R 50 Volts							
81-RPER71H221K2P1A03	RPER71H221K2P1A03B	220	10%				
81-RPER71H331K2P1A03	RPER71H331K2P1A03B	330	10%				
81-RPER71471K2P1A03B	RPER71H471K2P1A03B	470	10%				
81-RPER71681K2P1A03B	RPER71H681K2P1A03B	680	10%				
81-RPER71102K2P1A03B	RPER71H102K2P1A03B	1000	10%				
81-RPER71H122K2P1A03	RPER71H122K2P1A03B	1200	10%				
81-RPER71152K2P1A03B	RPER71H152K2P1A03B	1500	10%				
81-RPER71222K2P1A03B	RPER71H222K2P1A03B	2200	10%				
81-RPER71H272K2P1A03	RPER71H272K2P1A03B	2700	10%				
81-RPER71332K2P1A03B	RPER71H332K2P1A03B	3300	10%				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Tol. ±	Price Each			
				1	50	100	500
X7R 50 Volts (Cont.)							
81-RPER71472K2P1A03B	RPER71H472K2P1A03B	4700	10%				
81-RPER71H562K2P1A03	RPER71H562K2P1A03B	5600	10%				
81-RPER71682K2P1A03B	RPER71H682K2P1A03B	6800	10%				
81-RPER71H103K2P1A03B	RPER71H103K2P1A03B	.01μF	10%				
81-RPER71H153K2P1A03B	RPER71H153K2P1A03B	.015μF	10%				
81-RPER71H183K2P1A03B	RPER71H183K2P1A03B	.018μF	10%				
81-RPER71223K2P1A03B	RPER71H223K2P1A03B	.022μF	10%				
81-RPER71333K2P1A03B	RPER71H333K2P1A03B	.033μF	10%				
81-RPER71473K2P1A03B	RPER71H473K2P1A03B	.047μF	10%				
81-RPER71563K2P1A03B	RPER71H563K2P1A03B	.056μF	10%				
81-RPER71H683K2P1A03	RPER71H683K2P1A03B	.068μF	10%				
81-RPER71H104K2P1A03	RPER71H104K2P1A03B	.1μF	10%				
COG 100 Volts							
81-RPE5CA1R0C2P1B03B	RPE5C2A1R0C2P1B03B	1.0	.25pF				
81-RPE5CA2R2C2P1B03	RPE5C2A1R2C2P1B03B	1.2	.25pF				
81-RPE5CA2R0C2P1B03B	RPE5C2A2R0C2P1B03B	2.0	.25pF				
81-RPE5CA3R0C2P1B03B	RPE5C2A3R0C2P1B03B	3.0	.25pF				
81-RPE5CA5R0C2P1B03B	RPE5C2A5R0C2P1B03B	5.0	.25pF				
81-RPE5CA100J2P1Z03B	RPE5C2A100J2P1Z03B	10	5%				
81-RPE5CA120J2P1Z03	RPE5C2A120J2P1Z03B	12	5%				
81-RPE5CA150J2P1Z03B	RPE5C2A150J2P1Z03B	15	5%				
81-RPE5CA160J2P1Z03	RPE5C2A160J2P1Z03B	16	5%				
81-RPE5CA180J2P1Z03B	RPE5C2A180J2P1Z03B	18	5%				
81-RPE5CA220J2P1Z03B	RPE5C2A220J2P1Z03B	22	5%				
81-RPE5CA270J2P1Z03B	RPE5C2A270J2P1Z03B	27	5%				
81-RPE5CA300J2P1Z03	RPE5C2A300J2P1Z03B	30	5%				
81-RPE5CA330J2P1Z03B	RPE5C2A330J2P1Z03B	33	5%				
81-RPE5CA390J2P1Z03B	RPE5C2A390J2P1Z03B	39	5%				
81-RPE5CA430J2P1Z03	RPE5C2A430J2P1Z03B	43	5%				
81-RPE5CA470J2P1Z03B	RPE5C2A470J2P1Z03B	47	5%				
81-RPE5CA560J2P1Z03	RPE5C2A560J2P1Z03B	56	5%				
81-RPE5CA750J2P1Z03	RPE5C2A750J2P1Z03B	75	5%				
81-RPE5CA820J2P1Z03	RPE5C2A820J2P1Z03B	82	5%				
81-RPE5CA151J2P1Z03	RPE5C2A151J2P1Z03B	150	5%				
81-RPE5CA181J2P1Z03B	RPE5C2A181J2P1Z03B	180	5%				
81-RPE5CA201J2P1Z03	RPE5C2A201J2P1Z03B	200	5%				
81-RPE5CA221J2P1Z03	RPE5C2A221J2P1Z03B	220	5%				
81-RPE5CA271J2P1Z03B	RPE5C2A271J2P1Z03B	270	5%				
X7R 100 Volts							
81-RPER72A221K2P1B03	RPER72A221K2P1B03B	220	10%				
81-RPER72A271K2P1B03	RPER72A271K2P1B03B	270	10%				
81-RPER72331K2P1B03B	RPER72A331K2P1B03B	330	10%				
81-RPER72471K2P1B03B	RPER72A471K2P1B03B	470	10%				
81-RPER72681K2P1B03B	RPER72A681K2P1B03B	680	10%				
81-RPER72A102K2P1A03	RPER72A102K2P1A03B	1000	10%				
81-RPER72A122K2P1A03	RPER72A122K2P1A03B	1200	10%				
81-RPER72A152K2P1A03	RPER72A152K2P1A03B	1500	10%				
81-RPER72A182K2P1A03	RPER72A182K2P1A03B	1800	10%				
81-RPER72A222K2P1A03	RPER72A222K2P1A03B	2200	10%				
81-RPER72A272K2P1A03	RPER72A272K2P1A03B	2700	10%				
81-RPER72A332K2P1A03	RPER72A332K2P1A03B	3300	10%				
81-RPER72A472K2P1A03	RPER72A472K2P1A03B	4700	10%				

TDK MLCC Ceramic Capacitors

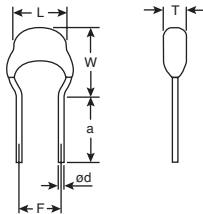


ROHS Compliant This product is RoHS compliant.

TDK DIPPED RADIAL CERAMIC CAPACITORS

Features:

- Due to the technological progress in creating thinner layers of ceramic dielectric and achieving multilayer lamination, this product provides large electrostatic capacity
- It maintains a high level of reliability under specified environmental conditions
- Its residual inductance is small and it provides good frequency characteristics
- The leads are formed with a "kink" to achieve consistent insertion heights and facilitate the release of gases during soldering for dramatically improved solderability
- Also available are products that meet taping specifications for automatic insertions, which contribute to reducing on-board costs



Type	DIMENSIONS: mm					
	L Max.	W Max.	T Max.	F	a	ød
FK14	4.5	5.5	2.5	2.5±0.8	5+3,-1	0.5+0.1,-0.03
FK11	5.5	7.0	4.0	2.5±0.8	5+3,-1	0.5+0.1,-0.03

FK11 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
				1	50	100	500	1000
FK11 Series Temperature Coef: C0G								
810—FK11C0G2A153J	.015µF	100	5%					
810—FK11C0G1H223J	.022µF	50	5%					
810—FK11C0G2A223J	.022µF	100	5%					
810—FK11C0G1H333J	.033µF	50	5%					
810—FK11C0G2A333J	.033µF	100	5%					
810—FK11C0G1H473J	.047µF	50	5%					
810—FK11C0G2A473J	.047µF	100	5%					
810—FK11C0G1H683J	.068µF	50	5%					
810—FK11C0G1H104J	.10µF	50	5%					
Temperature Coef: X5R								
810—FK11X5R1H225K	2.2µF	50	10%					
810—FK11X5R1H335K	3.3µF	50	10%					
810—FK11X5R1E475K	4.7µF	25	10%					
810—FK11X5R1E685K	6.8µF	25	20%					
810—FK11X5R0J336M	10µF	6.3	20%					
810—FK11X5R1C106K	10µF	16	10%					
810—FK11X5R1C106M	10µF	16	20%					
810—FK11X5R1E106K	10µF	25	10%					
810—FK11X5R1E106M	10µF	25	20%					
810—FK11X5R1A156M	15µF	10	20%					
810—FK11X5R1C156M	15µF	16	20%					
810—FK11X5R0J226M	22µF	6.3	20%					
810—FK11X5R1A226M	22µF	10	20%					
810—FK11X5R1C226M	22µF	16	20%					
810—FK11X5R0J476M	47µF	6.3	20%					
810—FK11X5R0J686M	68µF	6.3	20%					
810—FK11X5R0J107M	100µF	6.3	20%					
Temperature Coef: X7R								
810—FK11X7R2A334K	.33µF	100	10%					
810—FK11X7R2A474K	.47µF	100	10%					
810—FK11X7R1H684K	.68µF	50	10%					
810—FK11X7R2A684K	.68µF	100	10%					
810—FK11X7R1H105K	1.0µF	50	10%					
810—FK11X7R2A105K	1µF	100	10%					
810—FK11X7R1H155K	1.5µF	50	10%					
810—FK11X7R2A155K	1.5µF	100	10%					
810—FK11X7R1E225K	2.2µF	25	10%					
810—FK11X7R1H225K	2.2µF	50	10%					
810—FK11X7R2A225K	2.2µF	100	10%					
810—FK11X7R1E335K	3.3µF	25	10%					
810—FK11X7R1H335K	3.3µF	50	10%					
810—FK11X7R1E475K	4.7µF	25	10%					
810—FK11X7R1H475K	4.7µF	50	10%					
810—FK11X7R1E685K	6.8µF	25	10%					
810—FK11X7R1C106K	10µF	16	10%					
810—FK11X7R1C106M	10µF	16	20%					
810—FK11X7R1E106K	10µF	25	20%					
810—FK11X7R1E106M	10µF	25	20%					
810—FK11X7R1C156M	15µF	16	20%					
810—FK11X7R1A226M	22µF	10	20%					
810—FK11X7R1C226M	22µF	16	20%					
Temperature Coef: X7S								
810—FK11X7S2A335K	3.3µF	100	10%					
810—FK11X7S1H475K	4.7µF	50	10%					
810—FK11X7S2A475K	4.7µF	100	10%					
810—FK11X7S1H685K	6.8µF	50	10%					
Temperature Coef: Y5V								
810—FK11Y5V1H475Z	4.7µF	50	+80,-20%					
810—FK11Y5V1H106Z	10µF	50	+80,-20%					
810—FK11Y5V1E106Z	10µF	25	+80,-20%					
810—FK11Y5V1E226Z	22µF	25	+80,-20%					
810—FK11Y5V1C226Z	22µF	16	+80,-20%					
810—FK11Y5V1C476Z	47µF	16	+80,-20%					
810—FK11Y5V1A476Z	47µF	10	+80,-20%					
810—FK11Y5V0J107Z	100µF	6.3	+80,-20%					

FK14 Series

For quantities greater than listed, call for quote.

Temperature Coef: C0G								
810—FK14C0G2E821J	820	250	5%					
810—FK14C0G2A102J	1000	100	5%					
810—FK14C0G2E102J	1000	250	5%					
810—FK14C0G2A122J	1200	100	5%					
810—FK14C0G2E122J	1200	250	5%					
810—FK14C0G2A152J	1500	100	5%					
810—FK14C0G2E152J	1500	250	5%					
810—FK14C0G2A182J	1800	100	5%					

FK14 Series

For quantities greater than listed, call for quote.

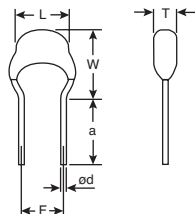
MOUSER STOCK NO.	Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
				1	50	100	500	1000
Temperature Coef: C0G (Cont.)								
810—FK14C0G2E182J	1800	250	5%					
810—FK14C0G2A222J	2200	100	5%					
810—FK14C0G2E222J	2200	250	5%					
810—FK14C0G2A272J	2700	100	5%					
810—FK14C0G2E272J	2700	250	5%					
810—FK14C0G2A332J	3300	100	5%					
810—FK14C0G2A392J	3900	100	5%					
810—FK14C0G1H392J	3900	50	5%					
810—FK14C0G2A472J	4700	100	5%					
810—FK14C0G1H472J	4700	50	5%					
810—FK14C0G1H562J	5600	50	5%					
810—FK14C0G1H682J	6800	50	5%					
810—FK14C0G1H822J	8200	50	5%					
810—FK14C0G1H103J	10000	50	5%					
810—FK14C0G1H153J	.015µF	50	5%					
810—FK14C0G1H223J	.022µF	50	5%					
810—FK14C0G1H333J	.033µF	50	5%					
810—FK14C0G1H272J	.27µF	50	5%					
810—FK14C0G1H332J	.33µF	50	5%					
Temperature Coef: X5R								
810—FK14X5R1E684K	68µF	25	10%					
810—FK14X5R1C105K	1µF	16	10%					
810—FK14X5R1E105K	1µF	25	10%					
810—FK14X5R1A155K	1.5µF	10	10%					
810—FK14X5R1C155K	1.5µF	16	10%					
810—FK14X5R1E155K	1.5µF	25	10%					
810—FK14X5R1A225K	2.2µF	10	10%					
810—FK14X5R1C225K	2.2µF	16	10%					
810—FK14X5R1E225K	2.2µF	25	10%					
810—FK14X5R1A335K	3.3µF	10	10%					
810—FK14X5R1C335K	3.3µF	16	10%					
810—FK14X5R1E335K	3.3µF	25	10%					
810—FK14X5R0J475K	4.7µF	6.3	10%					
810—FK14X5R1A475K	4.7µF	10	10%					
810—FK14X5R1C475K	4.7µF	16	10%					
810—FK14X5R1E475K	4.7µF	25	10%					
810—FK14X5R0J685K	6.8µF	6.3	10%					
810—FK14X5R1A685K	6.8µF	10	10%					
810—FK14X5R0J106K	10µF	6.3	10%					
810—FK14X5R0J106M	10µF	6.3	20%					
810—FK14X5R1A106K	10µF	10	10%					
810—FK14X5R1A106M	10µF	10	20%					
810—FK14X5R1C106K	10µF	16	10%					
810—FK14X5R1C106M	10µF	16	20%					
810—FK14X5R0J156M	15µF	6.3	20%					
810—FK14X5R0J226M	22µF	6.3	20%					
Temperature Coef: X7R								
810—FK14X7R2A102K	1000	100	10%					
810—FK14X7R2E102K	1000	250	10%					
810—FK14X7R2A152K	1500	100	10%					
810—FK14X7R2E152K	1500	250	10%					
810—FK14X7R2A222K	2200	100	10%					
810—FK14X7R2E222K	2200	250	10%					
810—FK14X7R2A332K	3300	100	10%					
810—FK14X7R2E332K	3300	250	10%					
810—FK14X7R2A472K	4700	100	10%					
810—FK14X7R2E472K	4700	250	10%					
810—FK14X7R2A682K	6800	100	10%					
810—FK14X7R2E682K	6800	250	10%					
810—FK14X7R2A103K	.01µF	100	10%					
810—FK14X7R2E103K	.01µF	250	10%					
810—FK14X7R2A153K	.015µF	100	10%					
810—FK14X7R2E153K	.015µF	250	10%					
810—FK14X7R2A223K	.022µF	100	10%					
810—FK14X7R2E2								

TDK MLCC Ceramic Capacitors



RoHS Compliant This product is RoHS compliant.

TDK DIPPED RADIAL CERAMIC CAPACITORS (CONT.)



Features:

- Due to the technological progress in creating thinner layers of ceramic dielectric and achieving multilayer lamination, this product provides large electrostatic capacity.
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- Its residual inductance is small and it provides good frequency characteristics.
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FK14 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
Mfr.	Mfr. Part No.				1	50	100	500	1000
Temperature Coef: X7R (Cont.)									
810	FK14X7R1H105K	1µF	50	10%					
810	FK14X7R1C155K	1.5µF	16	10%					
810	FK14X7R1E155K	1.5µF	25	10%					
810	FK14X7R1C225K	2.2µF	16	10%					
810	FK14X7R1E225K	2.2µF	25	10%					
810	FK14X7R1C335K	3.3µF	16	10%					
810	FK14X7R1E335K	3.3µF	25	10%					
810	FK14X7R1C475K	4.7µF	16	10%					
810	FK14X7R1E475K	4.7µF	25	10%					
810	FK14X7R0J685K	6.8µF	6.3	10%					
810	FK14X7R0J106K	10µF	6.3	10%					
810	FK14X7R0J106M	10µF	6.3	20%					
Temperature Coef: X7S									
810	FK14X7S2A154K	.15µF	100	10%					
810	FK14X7S2A224K	.22µF	100	10%					
810	FK14X7S2A334K	.33µF	100	10%					
810	FK14X7S2A474K	.47µF	100	10%					
810	FK14X7S2A684K	.68µF	100	10%					
810	FK14X7S2A105K	1µF	100	10%					
Temperature Coef: Y5V									
810	FK14Y5V1H474Z	.47µF	50	+80, -20%					
810	FK14Y5V1H105Z	1.0µF	50	+80, -20%					
810	FK14Y5V1H225Z	2.2µF	50	+80, -20%					
810	FK14Y5V1E225Z	2.2µF	25	+80, -20%					
810	FK14Y5V1E475Z	4.7µF	25	+80, -20%					
810	FK14Y5V1C475Z	4.7µF	16	+80, -20%					
810	FK14Y5V1C106Z	10µF	16	+80, -20%					
810	FK14Y5V1A106Z	10µF	10	+80, -20%					
810	FK14Y5V0J226Z	22µF	6.3	+80, -20%					

FK16 Series (Cont.)

For quantities greater than listed, call for quote.

Temperature Coef: C0G									
810	FK16C0G2A392J	3900	100	5%					
810	FK16C0G1H472J	4700	50	5%					
810	FK16C0G2A472J	4700	100	5%					
810	FK16C0G1H562J	5600	50	5%					
810	FK16C0G2A562J	5600	100	5%					
810	FK16C0G1H682J	6800	50	5%					
810	FK16C0G2A682J	6800	100	5%					
810	FK16C0G1H822J	8200	50	5%					
810	FK16C0G2A822J	8200	100	5%					
810	FK16C0G1H103J	.01µF	50	5%					
810	FK16C0G2A103J	.01µF	100	5%					
810	FK16C0G1H153J	.015µF	50	5%					
810	FK16C0G1H223J	.022µF	50	5%					
810	FK16C0G1H333J	.033µF	50	5%					
810	FK16C0G1H473J	.047µF	50	5%					
810	FK16C0G1H683J	.068µF	50	5%					
810	FK16C0G1H104J	.1µF	50	5%					
Temperature Coef: X5R									
810	FK16X5R1H105K	1µF	50	10%					
810	FK16X5R1E155K	1.5µF	25	10%					
810	FK16X5R1E225K	2.2µF	25	10%					
810	FK16X5R1C335K	3.3µF	16	10%					
810	FK16X5R1E335K	3.3µF	25	10%					
810	FK16X5R1C475K	4.7µF	16	10%					
810	FK16X5R1E475K	4.7µF	25	10%					
810	FK16X5R0J685K	6.8µF	6.3	10%					
810	FK16X5R1A685K	6.8µF	10	10%					
810	FK16X5R1C685K	6.8µF	16	10%					
810	FK16X5R0J106K	10µF	6.3	10%					
810	FK16X5R0J106M	10µF	6.3	20%					
810	FK16X5R1A106K	10µF	10	10%					
810	FK16X5R1A106M	10µF	10	20%					
810	FK16X5R1C106K	10µF	16	10%					
810	FK16X5R1C106M	10µF	16	20%					
810	FK16X5R0J156M	15µF	6.3	20%					
810	FK16X5R0J226M	22µF	6.3	20%					
810	FK16X5R0J336M	33µF	6.3	20%					
810	FK16X5R0J476M	47µF	6.3	20%					
Temperature Coef: X7R									
810	FK16X7R2A333K	.033µF	100	10%					
810	FK16X7R2A473K	.047µF	100	10%					
810	FK16X7R2A683K	.068µF	100	10%					
810	FK16X7R2A104K	.1µF	100	10%					
810	FK16X7R2A154K	.15µF	100	10%					

Type	DIMENSIONS: mm					
	L max.	W max.	T max.	F	a	od
FK18	4.0	5.5	2.5	2.5±0.8	5+3,-1	0.5+0.1,-0.03
FK14	4.5	5.5	2.5	2.5±0.8	5+3,-1	0.5+0.1,-0.03
FK16	5.5	6.0	3.5	2.5±0.8	5+3,-1	0.5+0.1,-0.03

FK16 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
Mfr.	Mfr. Part No.				1	50	100	500	1000
Temperature Coef: X7R (Cont.)									
810	FK16X7R2A224K	.22µF	100	10%					
810	FK16X7R2A334K	.33µF	100	10%					
810	FK16X7R1H474K	.47µF	50	10%					
810	FK16X7R2A474K	.47µF	100	10%					
810	FK16X7R1E684K	.68µF	25	10%					
810	FK16X7R1H684K	.68µF	50	10%					
810	FK16X7R2A684K	.68µF	100	10%					
810	FK16X7R1E105K	1.0µF	25	10%					
810	FK16X7R1H105K	1µF	50	10%					
810	FK16X7R2A105K	1µF	100	10%					
810	FK16X7R1E155K	1.5µF	25	10%					
810	FK16X7R1H155K	1.5µF	50	10%					
810	FK16X7R1E225K	2.2µF	25	10%					
810	FK16X7R1H225K	2.2µF	50	10%					
810	FK16X7R1C335K	3.3µF	16	10%					
810	FK16X7R1E335K	3.3µF	25	10%					
810	FK16X7R1C475K	4.7µF	16	10%					
810	FK16X7R1E475K	4.7µF	25	10%					
810	FK16X7R1C685K	6.8µF	16	10%					
810	FK16X7R1E685K	6.8µF	25	10%					
810	FK16X7R1C106K	10µF	16	10%					
810	FK16X7R1C106M	10µF	16	20%					
810	FK16X7R1E106K	10µF	25	10%					
810	FK16X7R1E106M	10µF	25	20%					
Temperature Coef: X7S									
810	FK16X7S2A155K	1.5µF	100	10%					
810	FK16X7S2A225K	2.2µF	100	10%					
Temperature Coef: Y5V									
810	FK16Y5V1H225Z	2.2µF	50	+80, -20%					
810	FK16Y5V1E475Z	4.7µF	25	+80, -20%					
810	FK16Y5V1H475Z	4.7µF	50	+80, -20%					
810	FK16Y5V1C106Z	10µF	16	+80, -20%					
810	FK16Y5V1E106Z	10µF	25	+80, -20%					
810	FK16Y5V1A226Z	22µF	10	+80, -20%					
810	FK16Y5V1C226Z	22µF	16	+80, -20%					
810	FK16Y5V0J476Z	47µF	6.3	+80, -20%					

FK18 Series

For quantities greater than listed, call for quote.

Temperature Coef: C0G				
810	FK18C0G1H010C	1	50	.25pF
810	FK18C0G1H1R5C	1.5	50	.25pF
810	FK18C0G1H020C	2	50	.25pF
810	FK18C0G1H2R2C	2.2	50	.25pF
810	FK18C0G1H030C	3	50	.25pF
810	FK18C0G1H3R3C	3.3	50	.25pF
810	FK18C0G1H040C	4	50	.25pF
810	FK18C0G1H4R7C	4.7	50	.25pF
810	FK18C0G1H050C	5	50	.25pF
810	FK18C0G1H060D	6	50	.5pF
810	FK18C0G1H6R8D	6.8	50	.5pF
810	FK18C0G1H070D	7	50	.5pF
810	FK18C0G1H080D	8	50	.5pF
810	FK18C0G1H090D	9	50	.5pF
810	FK18C0G1H100D	10	50	5%
810	FK18C0G1H120J	12	50	5%
810	FK18C0G1H150J	15	50	5%
810	FK18C0G1H180J	18	50	5%
810	FK18C0G1H220J	22	50	5%
810	FK18C0G1H270J	27	50	5%
810	FK18C0G1H330J	33	50	5%
810	FK18C0G1H390J	39	50	5%
810	FK18C0G1H470J	47	50	5%
810	FK18C0G1H560J	56	50	5%
810	FK18C0G1H680J	68	50	5%
810	FK18C0G1H820J	82	50	5

TDK MLCC Ceramic Capacitors

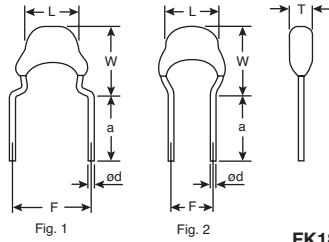


RoHS Compliant This product is RoHS compliant.

TDK DIPPED RADIAL CERAMIC CAPACITORS (CONT.)

Features:

- Due to the technological progress in creating thinner layers of ceramic dielectric and achieving multilayer lamination, this product provides large electrostatic capacity.
- It maintains a high level of reliability under specified environmental conditions.
- Its residual inductance is small and it provides good frequency characteristics.
- The leads are formed with a "kink" to achieve consistent insertion heights and facilitate the release of gases during soldering for dramatically improved solderability.
- Also available are products that meet taping specifications for automatic insertions, which contribute to reducing on-board costs.



Type	Fig.	DIMENSIONS: mm					
		L max.	W max.	T max.	F	a	od
FK20	1	5.5	7.0	4.0	5.0±1.0	7±2	0.5+0.1,-0.03
FK18	2	4.0	5.5	2.5	2.5±0.8	5+3,-1	0.5+0.1,-0.03

FK18 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
Mfr.	Mfr. Part No.				1	50	100	500	1000
FK18 Series Temperature Coef: COG (Cont.)									
810—FK18C0G1H181J	180	50	5%						
810—FK18C0G2A221J	220	100	5%						
810—FK18C0G2E221J	220	250	5%						
810—FK18C0G1H221J	220	50	5%						
810—FK18C0G2A271J	270	100	5%						
810—FK18C0G2E271J	270	250	5%						
810—FK18C0G1H271J	270	50	5%						
810—FK18C0G2A331J	330	100	5%						
810—FK18C0G2E331J	330	250	5%						
810—FK18C0G1H331J	330	50	5%						
810—FK18C0G2A391J	390	100	5%						
810—FK18C0G2E391J	390	250	5%						
810—FK18C0G1H391J	390	50	5%						
810—FK18C0G2A471J	470	100	5%						
810—FK18C0G2E471J	470	250	5%						
810—FK18C0G1H471J	470	50	5%						
810—FK18C0G2A561J	560	100	5%						
810—FK18C0G2E561J	560	250	5%						
810—FK18C0G1H561J	560	50	5%						
810—FK18C0G2A681J	680	100	5%						
810—FK18C0G2E681J	680	250	5%						
810—FK18C0G1H681J	680	50	5%						
810—FK18C0G1H821J	820	50	5%						
810—FK18C0G2A102J	1000	100	5%						
810—FK18C0G1H102J	1000	50	5%						
810—FK18C0G2A122J	1200	100	5%						
810—FK18C0G1H122J	1200	50	5%						
810—FK18C0G1H152J	1500	50	5%						
810—FK18C0G1H182J	1800	50	5%						
810—FK18C0G1H222J	2200	50	5%						
810—FK18C0G1H272J	2700	50	5%						
810—FK18C0G1H332J	3300	50	5%						
810—FK18C0G1H392J	3900	50	5%						
810—FK18C0G1H472J	4700	50	5%						
810—FK18C0G1H562J	5600	50	5%						
810—FK18C0G1H682J	6800	50	5%						
810—FK18C0G1H822J	8200	50	5%						
810—FK18C0G1H103J	.01μF	50	5%						
Temperature Coef: X5R									
810—FK18X5R1E224K	.22μF	25	10%						
810—FK18X5R1A334K	.33μF	10	10%						
810—FK18X5R1E334K	.33μF	25	10%						
810—FK18X5R1A474K	.47μF	10	10%						
810—FK18X5R1C474K	.47μF	16	10%						
810—FK18X5R1E474K	.47μF	25	10%						
810—FK18X5R1A684K	.68μF	10	10%						
810—FK18X5R1C684K	.68μF	16	10%						
810—FK18X5R1E684K	.68μF	25	10%						
810—FK18X5R1A105K	1.0μF	10	10%						
810—FK18X5R0J105K	1μF	6.3	10%						
810—FK18X5R1C105K	1μF	16	10%						
810—FK18X5R1E105K	1μF	25	10%						
810—FK18X5R0J155K	1.5μF	6.3	10%						
810—FK18X5R1A155K	1.5μF	10	10%						
810—FK18X5R1C155K	1.5μF	16	10%						
810—FK18X5R0J225K	2.2μF	6.3	10%						
810—FK18X5R1A225K	2.2μF	10	10%						
810—FK18X5R1C225K	2.2μF	16	10%						
810—FK18X5R0J335K	3.3μF	6.3	10%						
810—FK18X5R1A335K	3.3μF	10	10%						
810—FK18X5R0J475K	4.7μF	6.3	10%						
810—FK18X5R1A475K	4.7μF	10	10%						
810—FK18X5R0J106M	10μF	6.3	20%						
Temperature Coef: X7R									
810—FK18X7R2A102K	1000	100	10%						
810—FK18X7R1H102K	1000	50	10%						
810—FK18X7R2A152K	1500	100	10%						
810—FK18X7R1H152K	1500	50	10%						
810—FK18X7R2A222K	2200	100	10%						
810—FK18X7R1H222K	2200	50	10%						
810—FK18X7R2A332K	3300	100	10%						
810—FK18X7R1H332K	3300	50	10%						
810—FK18X7R2A472K	4700	100	10%						
810—FK18X7R1H472K	4700	50	10%						
810—FK18X7R2A682K	6800	100	10%						
810—FK18X7R1H682K	6800	50	10%						
810—FK18X7R1H103K	10000	50	10%						
810—FK18X7R2A103K	.01μF	100	10%						
810—FK18X7R1H153K	.015μF	50	10%						
810—FK18X7R2A153K	.015μF	100	10%						

FK18 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
Mfr.	Mfr. Part No.				1	50	100	500	1000
Temperature Coef: X7R (Cont.)									
810—FK18X7R1H223K	.022μF	50	10%						
810—FK18X7R2A223K	.022μF	100	10%						
810—FK18X7R1H333K	.033μF	50	10%						
810—FK18X7R1H473K	.047μF	50	10%						
810—FK18X7R1H683K	.068μF	50	10%						
810—FK18X7R1E104K	.1μF	25	10%						
810—FK18X7R1H104K	.10μF	50	10%						
810—FK18X7R1E154K	.15μF	25	10%						
810—FK18X7R1H154K	.15μF	50	10%						
810—FK18X7R1C224K	.22μF	16	10%						
810—FK18X7R1E224K	.22μF	25	10%						
810—FK18X7R1H224K	.22μF	50	10%						
810—FK18X7R1C334K	.33μF	16	10%						
810—FK18X7R1E334K	.33μF	25	10%						
810—FK18X7R1C474K	.47μF	16	10%						
810—FK18X7R1E474K	.47μF	25	10%						
810—FK18X7R1C684K	.68μF	16	10%						
810—FK18X7R1E684K	.68μF	25	10%						
810—FK18X7R1C105K	1μF	16	10%						
810—FK18X7R1E105K	1μF	25	10%						
810—FK18X7R0J155K	1.5μF	6.3	10%						
810—FK18X7R0J225K	2.2μF	6.3	10%						
Temperature Coef: X7S									
810—FK18X7S2A333K	.033μF	100	10%						
810—FK18X7S2A473K	.047μF	100	10%						
810—FK18X7S2A683K	.068μF	100	10%						
810—FK18X7S2A104K	.1μF	100	10%						
Temperature Coef: Y5V									
810—FK18Y5V1H104Z	.10μF	50	+80,-20%						
810—FK18Y5V1H224Z	.22μF	50	+80,-20%						
810—FK18Y5V1E474Z	.47μF	25	+80,-20%						
810—FK18Y5V1H474Z	.47μF	50	+80,-20%						
810—FK18Y5V1C105Z	1μF	16	+80,-20%						
810—FK18Y5V1E105Z	1μF	25	+80,-20%						
810—FK18Y5V1A225Z	2.2μF	10	+80,-20%						
810—FK18Y5V1C225Z	2.2μF	16	+80,-20%						
810—FK18Y5V0J475Z	4.7μF	6.3	+80,-20%						

FK20 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
Mfr.	Mfr. Part No.				1	50	100	500	1000
Temperature Coef: COG									
810—FK20C0G2J392J	3900	630	5%						
810—FK20C0G2J472J	4700	630	5%						
810—FK20C0G2J562J	5600	630	5%						
810—FK20C0G2J682J	6800	630	5%						
810—FK20C0G2E103J	.01μF	250	5%						
810—FK20C0G2A153J	.015μF	100	5%						
810—FK20C0G2E153J	.015μF	250	5%						
810—FK20C0G1H223J	.022μF	50	5%						
810—FK20C0G2A333J	.033μF	100	5%						
810—FK20C0G1H333J	.033μF	50	5%						
810—FK20C0G1H473J	.047μF	50	5%						
810—FK20C0G2A473J	.047μF	100	5%						
810—FK20C0G1H683J	.068μF	50	5%						
810—FK20C0G1H104J	.10μF	50	5%						
Temperature Coef: X5R									
810—FK20X5R1H225K	2.2μF	50	10%						
810—FK20X5R1H335K	3.3μF	50	10%						
810—FK20X5R1E475K	4.7μF	25	10%						
810—FK20X5R1E685K	6.8μF	25	10%						
810—FK20X5R0J336M	10μF	6.3	20%						
810—FK20X5R1C106K	10μF	16	10%						
810—FK20X5R1C106M	10μF	16	20%						
810—FK20X5R1E106K	10μF	25	10%						
810—FK20X5R1E106M	10μF	25	20%						
810—FK20X5R1A156M	15μF	10	20%						
810—FK20X5R1C156M	15μF	16	20%						
810—FK20X5R0J226M	22μF	6.3	20%						
810—FK20X5R1A226M	22μF	10	20%						
810—FK20X5R1C									

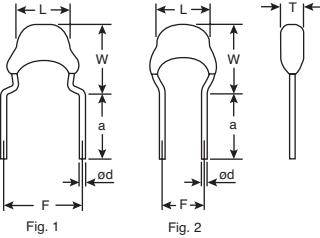
TDK MLCC Ceramic Capacitors



NEW AT MOUSER

TDK DIPPED RADIAL CERAMIC CAPACITORS (CONT.)

RoHS Compliant This product is RoHS compliant.



Type	L max.	W max.	T max.	F	a	od	Fig
24	4.5	5.5	2.5	5.0±1.0	7±2	0.5+0.1,-0.03	1
20	5.5	7.0	4.0	5.0±1.0	7±2	0.5+0.1,-0.03	1
22	7.5	8.0	4.0	5.0±1.0	7±2	0.5+0.1,-0.03	1

FK20 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
Mfr.	Mfr. Part No.				1	50	100	500	1000
Temperature Coef: X7R (Cont.)									
810	FK20X7R2A684K	.68µF	100	10%					
810	FK20X7R1H684K	.68µF	50	10%					
810	FK20X7R2A105K	1µF	100	10%					
810	FK20X7R1H105K	1µF	50	10%					
810	FK20X7R2A155K	1.5µF	100	10%					
810	FK20X7R1H155K	1.5µF	50	10%					
810	FK20X7R1H225K	2.2µF	50	10%					
810	FK20X7R2A225K	2.2µF	100	10%					
810	FK20X7R1E225K	2.2µF	25	10%					
810	FK20X7R1H335K	3.3µF	50	10%					
810	FK20X7R1E335K	3.3µF	25	10%					
810	FK20X7R1H475K	4.7µF	50	10%					
810	FK20X7R1E475K	4.7µF	25	10%					
810	FK20X7R1E685K	6.8µF	25	10%					
810	FK20X7R1C106K	10µF	16	10%					
810	FK20X7R1C106M	10µF	16	20%					
810	FK20X7R1E106K	10µF	25	10%					
810	FK20X7R1E106M	10µF	25	20%					
810	FK20X7R1C156M	15µF	16	20%					
810	FK20X7R1A226M	22µF	10	20%					
810	FK20X7R1C226M	22µF	16	20%					
Temperature Coef: X7S									
810	FK20X7S2A335K	3.3µF	100	10%					
810	FK20X7S1H475K	4.7µF	50	10%					
810	FK20X7S2A475K	4.7µF	100	10%					
810	FK20X7S1H685K	6.8µF	50	10%					
810	FK20X7S1H106K	10µF	50	10%					
Temperature Coef: Y5V									
810	FK20Y5V1H475Z	4.7µF	50	+80, -20%					
810	FK20Y5V1E106Z	10µF	25	+80, -20%					
810	FK20Y5V1H106Z	10µF	50	+80, -20%					
810	FK20Y5V1C226Z	22µF	16	+80, -20%					
810	FK20Y5V1E226Z	22µF	25	+80, -20%					
810	FK20Y5V1A476Z	47µF	10	+80, -20%					
810	FK20Y5V1C476Z	47µF	16	+80, -20%					

FK22 Series

For quantities greater than listed, call for quote.

FK22 Series Temperature Coef: C0G									
810	FK22C0G2J822J	8200	630	5%					
810	FK22C0G2J153J	.015µF	630	5%					
810	FK22C0G2E333J	.033µF	250	5%					
810	FK22C0G2A473J	.047µF	100	5%					
810	FK22C0G2A683J	.068µF	100	5%					
810	FK22C0G2A104J	.1µF	100	5%					
810	FK22C0G1H154J	.15µF	50	5%					
810	FK22C0G1H224J	.22µF	50	5%					
810	FK22X5R1H475K	4.7µF	50	10%					
810	FK22X5R1H685K	6.8µF	50	10%					
810	FK22X5R1E156M	15µF	25	20%					
810	FK22X5R1E226M	22µF	25	20%					
810	FK22X5R1C336M	33µF	16	20%					
Temperature Coef: X5R									
810	FK22X5R1A336M	33µF	10	20%					
810	FK22X5R1A476M	47µF	10	20%					
810	FK22X5R0J686M	68µF	6.3	20%					
Temperature Coef: X7R									
810	FK22X7R2J683K	.068µF	630	10%					
810	FK22X7R2J104K	.1µF	630	10%					
810	FK22X7R2E154K	.15µF	250	10%					
810	FK22X7R2E224K	.22µF	250	10%					
810	FK22X7R2E334K	.33µF	250	10%					
810	FK22X7R2E474K	.47µF	250	10%					
810	FK22X7R2A684K	.68µF	100	10%					
810	FK22X7R2A105K	1µF	100	10%					
810	FK22X7R1H155K	1.5µF	50	10%					
810	FK22X7R2A155K	1.5µF	100	10%					
810	FK22X7R1H225K	2.2µF	50	10%					
810	FK22X7R2A225K	2.2µF	100	10%					
810	FK22X7R1H335K	3.3µF	50	10%					
810	FK22X7R1E475K	4.7µF	25	10%					
810	FK22X7R1H475K	4.7µF	50	10%					
810	FK22X7R1E685K	6.8µF	25	10%					
810	FK22X7R1H685K	6.8µF	50	10%					
810	FK22X7R1E106K	10µF	25	10%					
810	FK22X7R1E156M	15µF	25	20%					
810	FK22X7R1C156M	15µF	16	20%					

FK22 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
Mfr.	Mfr. Part No.				1	50	100	500	1000
Temperature Coef: X7R (Cont.)									
810	FK22X7R1E226M	22µF	25	20%					
810	FK22X7R1C336M	33µF	16	20%					
Temperature Coef: Y5V									
810	FK22Y5V1H106Z	10µF	50	+80, -20%					
810	FK22Y5V1E226Z	22µF	25	+80, -20%					
810	FK22Y5V1C476Z	47µF	16	+80, -20%					

FK24 Series

For quantities greater than listed, call for quote.

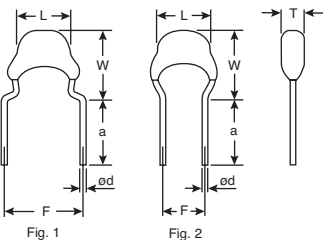
MOUSER STOCK NO.		Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
Mfr.	Mfr. Part No.				1	50	100	500	1000
FK24 Series Temperature Coef: C0G (Cont.)									
810	FK24C0G2E821J	820	250	5%					
810	FK24C0G2A122J	1200	100	5%					
810	FK24C0G2E122J	1200	250	5%					
810	FK24C0G2A152J	1500	100	5%					
810	FK24C0G2E152J	1500	250	5%					
810	FK24C0G2A182J	1800	100	5%					
810	FK24C0G2E182J	1800	250	5%					
810	FK24C0G2A222J	2200	100	5%					
810	FK24C0G2A272J	2700	100	5%					
810	FK24C0G2E272J	2700	250	5%					
810	FK24C0G1H272J	2700	50	5%					
810	FK24C0G2A332J	3300	100	5%					
810	FK24C0G1H332J	3300	50	5%					
810	FK24C0G2A392J	3900	100	5%					
810	FK24C0G1H392J	3900	50	5%					
810	FK24C0G2A472J	4700	100	5%					
810	FK24C0G1H472J	4700	50	5%					
810	FK24C0G1H562J	5600	50	5%					
810	FK24C0G1H682J	6800	50	5%					
810	FK24C0G1H822J	8200	50	5%					
810	FK24C0G1H103J	10000	50	5%					
810	FK24C0G1H153J	.015µF	50	5%					
810	FK24C0G1H223J	.022µF	50	5%					
810	FK24C0G1H333J	.033µF	50	5%					
Temperature Coef: X5R									
810	FK24X5R1E684K	.68µF	25	10%					
810	FK24X5R1C105K	1µF	16	10%					
810	FK24X5R1E105K	1µF	25	10%					
810	FK24X5R1A155K	1.5µF	10	10%					
810	FK24X5R1C155K	1.5µF	16	10%					
810	FK24X5R1E155K	1.5µF	25	10%					
810	FK24X5R1A225K	2.2µF	10	10%					
810	FK24X5R1C225K	2.2µF	16	10%					
810	FK24X5R1E225K	2.2µF	25	10%					
810	FK24X5R1A335K	3.3µF	10	10%					
810	FK24X5R1C335K	3.3µF	16	10%					
810	FK24X5R1E335K	3.3µF	25	10%					
810	FK24X5R0J475K	4.7µF	6.3	10%					
810	FK24X5R1C475K	4.7µF	16	10%					
810	FK24X5R1E475K	4.7µF	25	10%					
810	FK24X5R0J685K	6.8µF	6.3	10%					
810	FK24X5R1A685K	6.8µF	10	10%					
810	FK24X5R0J106K	10µF	6.3	10%					
810	FK24X5R1A106K	10µF	10	10%					
810	FK24X5R1A106M	10µF	10	20%					
810	FK24X5R1C106K	10µF	16	10%					
810	FK24X5R1C106M	10µF	16	20%					
810	FK24X5R0J156M	15µF	6.3	20%					
810	FK24X5R0J226M	22µF	6.3	20%					
Temperature Coef: X7R									
810	FK24X7R2A152K	1500	100	10%					
810	FK24X7R2E152K	1500	250	10%					
810	FK24X7R2E222K	2200	250	10%					
810	FK24X7R2A332K	3300	100	10%					
810	FK24X7R2E332K	3300	250	10%					
810	FK24X7R2E472K	4700	250	10%					
810	FK24X7R2A682K	6800	100	10%					
810	FK24X7R2E682K	6800	250	10%					
810	FK24X7R2E103K	.01µF	250	10%					
810	FK24X7R2A153K	.015µF	100	10%					
810	FK24X7R2E153K	.015µF	250	10%					
810	FK24X7R2A333K	.033µF	100	10%					
810	FK24X7R2A683K	.068µF	100						

TDK MLCC Ceramic Capacitors



RoHS Compliant This product is RoHS compliant.

TDK DIPPED RADIAL CERAMIC CAPACITORS (CONT.)



Type	L max.	W max.	T max.	F	a	od	Fig
28	4.0	5.5	2.5	5.0±1.0	7±2	0.5+0.1,-0.03	1
24	4.5	5.5	2.5	5.0±1.0	7±2	0.5+0.1,-0.03	1
26	5.5	6.0	3.5	5.0±1.0	7±2	0.5+0.1,-0.03	1

FK24 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
Mfr.	Mfr. Part No.				1	50	100	500	1000
Temperature Coef: X7R (Cont.)									
810	FK24X7R1H224K	.22µF	50	10%					
810	FK24X7R1H334K	.33µF	50	10%					
810	FK24X7R1E474K	.47µF	25	10%					
810	FK24X7R1H474K	.47µF	50	10%					
810	FK24X7R1C684K	.68µF	16	10%					
810	FK24X7R1E684K	.68µF	25	10%					
810	FK24X7R1H684K	.68µF	50	10%					
810	FK24X7R1C105K	1µF	16	10%					
810	FK24X7R1E105K	1µF	25	10%					
810	FK24X7R1H105K	1µF	50	10%					
810	FK24X7R1E155K	1.5µF	25	10%					
810	FK24X7R1C155K	1.5µF	16	10%					
810	FK24X7R1C225K	2.2µF	16	10%					
810	FK24X7R1E225K	2.2µF	25	10%					
810	FK24X7R1C335K	3.3µF	16	10%					
810	FK24X7R1E335K	3.3µF	25	10%					
810	FK24X7R1C475K	4.7µF	16	10%					
810	FK24X7R1E475K	4.7µF	25	10%					
810	FK24X7R0J685K	6.8µF	6.3	10%					
810	FK24X7R0J106K	10µF	6.3	10%					
810	FK24X7R0J106M	10µF	6.3	20%					
Temperature Coef: X7S									
810	FK24X7S2A154K	.15µF	100	10%					
810	FK24X7S2A224K	.22µF	100	10%					
810	FK24X7S2A334K	.33µF	100	10%					
810	FK24X7S2A474K	.47µF	100	10%					
810	FK24X7S2A684K	.68µF	100	10%					
810	FK24X7S2A105K	1µF	100	10%					
Temperature Coef: Y5V									
810	FK24Y5V1H474Z	.47µF	50	+80,-20%					
810	FK24Y5V1H105Z	1µF	50	+80,-20%					
810	FK24Y5V1H225Z	2.2µF	50	+80,-20%					
810	FK24Y5V1C475Z	4.7µF	16	+80,-20%					
810	FK24Y5V1E475Z	4.7µF	25	+80,-20%					
810	FK24Y5V1A106Z	10µF	10	+80,-20%					
810	FK24Y5V1C106Z	10µF	16	+80,-20%					

FK26 Series (Cont.)

For quantities greater than listed, call for quote.

FK26 Series Temperature Coef: C0G									
810	FK26C0G2J121J	120	630	5%					
810	FK26C0G2J151J	150	630	5%					
810	FK26C0G2J181J	180	630	5%					
810	FK26C0G2J221J	220	630	5%					
810	FK26C0G2J271J	270	630	5%					
810	FK26C0G2J331J	330	630	5%					
810	FK26C0G2J391J	390	630	5%					
810	FK26C0G2J561J	560	630	5%					
810	FK26C0G2J681J	680	630	5%					
810	FK26C0G2J821J	820	630	5%					
810	FK26C0G2J122J	1200	630	5%					
810	FK26C0G2J152J	1500	630	5%					
810	FK26C0G2J182J	1800	630	5%					
810	FK26C0G2J272J	2700	630	5%					
810	FK26C0G2E332J	3300	250	5%					
810	FK26C0G2J332J	3300	630	5%					
810	FK26C0G2A392J	3900	100	5%					
810	FK26C0G2E392J	3900	250	5%					
810	FK26C0G1H472J	4700	50	5%					
810	FK26C0G2A562J	5600	100	5%					
810	FK26C0G2E562J	5600	250	5%					
810	FK26C0G1H562J	5600	50	5%					
810	FK26C0G2A682J	6800	100	5%					
810	FK26C0G2E682J	6800	250	5%					
810	FK26C0G1H682J	6800	50	5%					
810	FK26C0G2A822J	8200	100	5%					
810	FK26C0G2E822J	8200	250	5%					
810	FK26C0G1H822J	8200	50	5%					
810	FK26C0G2A103J	.01µF	100	5%					
810	FK26C0G1H103J	.01µF	50	5%					
810	FK26C0G1H153J	.015µF	50	5%					
810	FK26C0G1H223J	.022µF	50	5%					
810	FK26C0G1H333J	.033µF	50	5%					
810	FK26C0G1H473J	.047µF	50	5%					
810	FK26C0G1H683J	.068µF	50	5%					
810	FK26C0G1H104J	.1µF	50	5%					
Temperature Coef: X5R									
810	FK26X5R1H105K	1µF	50	10%					

FK26 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
Mfr.	Mfr. Part No.				1	50	100	500	1000
Temperature Coef: X5R (Cont.)									
810	FK26X5R1E155K	1.5µF	25	10%					
810	FK26X5R1E225K	2.2µF	25	10%					
810	FK26X5R1C335K	3.3µF	16	10%					
810	FK26X5R1E335K	3.3µF	25	10%					
810	FK26X5R1C475K	4.7µF	16	10%					
810	FK26X5R1E475K	4.7µF	25	10%					
810	FK26X5R0J685K	6.8µF	6.3	10%					
810	FK26X5R1A685K	6.8µF	10	10%					
810	FK26X5R1C685K	6.8µF	16	10%					
810	FK26X5R1A106K	10µF	10	10%					
810	FK26X5R1A106M	10µF	10	20%					
810	FK26X5R1C106K	10µF	16	10%					
810	FK26X5R1C106M	10µF	16	20%					
810	FK26X5R0J156M	15µF	6.3	20%					
810	FK26X5R0J336M	33µF	6.3	20%					
810	FK26X5R0J476M	47µF	6.3	20%					
Temperature Coef: X7R									
810	FK26X7R2J102K	1000	630	10%					
810	FK26X7R2J152K	1500	630	10%					
810	FK26X7R2J222K	2200	630	10%					
810	FK26X7R2J332K	3300	630	10%					
810	FK26X7R2J682K	6800	630	10%					
810	FK26X7R2J103K	.01µF	630	10%					
810	FK26X7R2E153K	.015µF	250	10%					
810	FK26X7R2J153K	.015µF	630	10%					
810	FK26X7R2J223K	.022µF	630	10%					
810	FK26X7R2A333K	.033µF	100	10%					
810	FK26X7R2E333K	.033µF	250	10%					
810	FK26X7R2J333K	.033µF	630	10%					
810	FK26X7R2E473K	.047µF	250	10%					
810	FK26X7R2A683K	.068µF	100	10%					
810	FK26X7R2E683K	.068µF	250	10%					
810	FK26X7R2A104K	.1µF	100	10%					
810	FK26X7R2E104K	.1µF	250	10%					
810	FK26X7R2A154K	.15µF	100	10%					
810	FK26X7R2A224K	.22µF	100	10%					
810	FK26X7R2A334K	.33µF	100	10%					
810	FK26X7R1H474K	.47µF	50	10%					
810	FK26X7R2A474K	.47µF	100	10%					
810	FK26X7R1E684K	.68µF	25	10%					
810	FK26X7R1H684K	.68µF	50	10%					
810	FK26X7R2A684K	.68µF	100	10%					
810	FK26X7R1E155K	1.5µF	25	10%					
810	FK26X7R1H155K	1.5µF	50	10%					
810	FK26X7R1H105K	1µF	50	10%					
810	FK26X7R2A105K	1µF	100	10%					
810	FK26X7R1C106K	10µF	16	10%					
810	FK26X7R1C106M	10µF	16	20%					
810	FK26X7R1E106K	10µF	25	10%					
810	FK26X7R1E106M	10µF	25	20%					
810	FK26X7R1E225K	2.2µF	25	10%					
810	FK26X7R1H225K	2.2µF	50	10%					
810	FK26X7R1C335K	3.3µF	16	10%					
810	FK26X7R1E335K	3.3µF	25	10%					
810	FK26X7R1C475K	4.7µF	16	10%					
810	FK26X7R1E475K	4.7µF	25	10%					
810	FK26X7R1C685K	6.8µF	16	10%					
810	FK26X7R1E685K	6.8µF	25	10%					
Temperature Coef: X7S									
810	FK26X7S2A155K	1.5µF	100	10%					
810	FK26X7S2A225K	2.2µF	100	10%					
Temperature Coef: Y5V									
810	FK26Y5V1H225Z	2.2µF	50	+80,-20%					
810	FK26Y5V1E475Z	4.7µF	25	+80,-20%					
810	FK26Y5V1H475Z	4.7µF	50	+80,-20%					
810	FK26Y5V1C106Z	10µF	16	+80,-20%					
810	FK26Y5V1E106Z	10µF	25	+80,-20%					
810	FK26Y5V1A226Z	22µF	10	+80,-20%					
810	FK26Y5V1C226Z	22µF	16	+80,-20%					
810	FK26Y5V0J476Z	47µF	6.3	+80,-20%					

FK28 Series

For quantities greater than listed, call for quote.

FK28 Series Temperature Coef: C0G									
810	FK28C0G1H010C	1	50	.25pF					
810	FK28C0G1H1R5C	1.5	50	.25pF					
810	FK28C0G1H020C	2	50	.25pF					
810	FK28C0G1H2R2C	2.2	50	.25pF					

TDK MLCC Ceramic Capacitors



NEW AT MOUSER

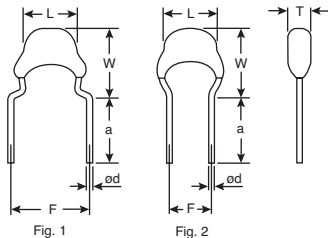
Ceramic Caps, Leaded TDK

NEW AT MOUSER

NEW AT MOUSER

RoHS Compliant This product is RoHS compliant.

TDK DIPPED RADIAL CERAMIC CAPACITORS (CONT.)



Type	L max.	W max.	T max.	F	a	ød	Fig
28	4.0	5.5	2.5	5.0±1.0	7±2	0.5+0.1,-0.03	1

FK28 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
Mfr.	Mfr. Part No.				1	50	100	500	1000
FK28 Series Temperature Coef: C0G (Cont.)									
810	FK28C0G1H030C	3	50	.25pF					
810	FK28C0G1H3R3C	3.3	50	.25pF					
810	FK28C0G1H040C	4	50	.25pF					
810	FK28C0G1H4R7C	4.7	50	.25pF					
810	FK28C0G1H050C	5	50	.25pF					
810	FK28C0G1H060D	6	50	.5pF					
810	FK28C0G1H6R8D	6.8	50	.5pF					
810	FK28C0G1H070D	7	50	.5pF					
810	FK28C0G1H080D	8	50	.5pF					
810	FK28C0G1H090D	9	50	.5pF					
810	FK28C0G1H100D	10	50	5%					
810	FK28C0G1H120J	12	50	5%					
810	FK28C0G1H150J	15	50	5%					
810	FK28C0G1H180J	18	50	5%					
810	FK28C0G1H220J	22	50	5%					
810	FK28C0G1H270J	27	50	5%					
810	FK28C0G1H330J	33	50	5%					
810	FK28C0G1H390J	39	50	5%					
810	FK28C0G1H470J	47	50	5%					
810	FK28C0G1H560J	56	50	5%					
810	FK28C0G1H680J	68	50	5%					
810	FK28C0G1H820J	82	50	5%					
810	FK28C0G1H101J	100	50	5%					
810	FK28C0G2A121J	120	100	5%					
810	FK28C0G2E121J	120	250	5%					
810	FK28C0G1H121J	120	50	5%					
810	FK28C0G2A151J	150	100	5%					
810	FK28C0G2E151J	150	250	5%					
810	FK28C0G1H151J	150	50	5%					
810	FK28C0G2A181J	180	100	5%					
810	FK28C0G2E181J	180	250	5%					
810	FK28C0G1H181J	180	50	5%					
810	FK28C0G1H221J	220	50	5%					
810	FK28C0G2A271J	270	100	5%					
810	FK28C0G2E271J	270	250	5%					
810	FK28C0G1H271J	270	50	5%					
810	FK28C0G2A331J	330	100	5%					
810	FK28C0G2E331J	330	250	5%					
810	FK28C0G1H331J	330	50	5%					
810	FK28C0G2A391J	390	100	5%					
810	FK28C0G2E391J	390	250	5%					
810	FK28C0G1H391J	390	50	5%					
810	FK28C0G1H471J	470	50	5%					
810	FK28C0G2A561J	560	100	5%					
810	FK28C0G2E561J	560	250	5%					
810	FK28C0G1H561J	560	50	5%					
810	FK28C0G2A681J	680	100	5%					
810	FK28C0G1H681J	680	50	5%					
810	FK28C0G2E681J	680	250	5%					
810	FK28C0G2A821J	820	100	5%					
810	FK28C0G1H821J	820	50	5%					
810	FK28C0G2A102J	1000	100	5%					
810	FK28C0G1H102J	1000	50	5%					
810	FK28C0G2A122J	1200	100	5%					
810	FK28C0G1H122J	1200	50	5%					
810	FK28C0G1H152J	1500	50	5%					
810	FK28C0G1H182J	1800	50	5%					
810	FK28C0G1H222J	2200	50	5%					
810	FK28C0G1H272J	2700	50	5%					
810	FK28C0G1H332J	3300	50	5%					
810	FK28C0G1H392J	3900	50	5%					
810	FK28C0G1H472J	4700	50	5%					
810	FK28C0G1H562J	5600	50	5%					
810	FK28C0G1H682J	6800	50	5%					
810	FK28C0G1H822J	8200	50	5%					
810	FK28C0G1H103J	.01µF	50	5%					
Temperature Coef: X5R									
810	FK28X5R1E224K	.22µF	25	10%					
810	FK28X5R1A334K	.33µF	10	10%					
810	FK28X5R1E334K	.33µF	25	10%					
810	FK28X5R1A474K	.47µF	10	10%					

FK28 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt. (Vdc)	Tol. (%)	Price Each				
Mfr.	Mfr. Part No.				1	50	100	500	1000
Temperature Coef: X5R (Cont.)									
810	FK28X5R1C474K	.47µF	16	10%					
810	FK28X5R1E474K	.47µF	25	10%					
810	FK28X5R1A684K	.68µF	10	10%					
810	FK28X5R1C684K	.68µF	16	10%					
810	FK28X5R1E684K	.68µF	25	10%					
810	FK28X5R1A105K	1µF	10	10%					
810	FK28X5R0J105K	1µF	6.3	10%					
810	FK28X5R1C105K	1µF	16	10%					
810	FK28X5R1E105K	1µF	25	10%					
810	FK28X5R0J155K	1.5µF	6.3	10%					
810	FK28X5R1A155K	1.5µF	10	10%					
810	FK28X5R1C155K	1.5µF	16	10%					
810	FK28X5R0J225K	2.2µF	6.3	10%					
810	FK28X5R1A225K	2.2µF	10	10%					
810	FK28X5R1C225K	2.2µF	16	10%					
810	FK28X5R0J335K	3.3µF	6.3	10%					
810	FK28X5R1A335K	3.3µF	10	10%					
810	FK28X5R0J475K	4.7µF	6.3	10%					
810	FK28X5R1A475K	4.7µF	10	10%					
810	FK28X5R0J685K	6.8µF	6.3	10%					
810	FK28X5R0J106M	10µF	6.3	20%					
Temperature Coef: X7R									
810	FK28X7R1H102K	1000	50	10%					
810	FK28X7R2A152K	1500	100	10%					
810	FK28X7R1H152K	1500	50	10%					
810	FK28X7R1H222K	2200	50	10%					
810	FK28X7R2A332K	3300	100	10%					
810	FK28X7R1H332K	3300	50	10%					
810	FK28X7R1H472K	4700	50	10%					
810	FK28X7R1H682K	6800	50	10%					
810	FK28X7R2A682K	6800	100	10%					
810	FK28X7R1H103K	.01µF	50	10%					
810	FK28X7R1H153K	.015µF	50	10%					
810	FK28X7R2A153K	.015µF	100	10%					
810	FK28X7R1H223K	.022µF	50	10%					
810	FK28X7R2A223K	.022µF	100	10%					
810	FK28X7R1H333K	.033µF	50	10%					
810	FK28X7R1H473K	.047µF	50	10%					
810	FK28X7R1H683K	.068µF	50	10%					
810	FK28X7R1E104K	.1µF	25	10%					
810	FK28X7R1H104K	.10µF	50	10%					
810	FK28X7R1E154K	.15µF	25	10%					
810	FK28X7R1H154K	.15µF	50	10%					
810	FK28X7R1C224K	.22µF	16	10%					
810	FK28X7R1E224K	.22µF	25	10%					
810	FK28X7R1H224K	.22µF	50	10%					
810	FK28X7R1C334K	.33µF	16	10%					
810	FK28X7R1E334K	.33µF	25	10%					
810	FK28X7R1C474K	.47µF	16	10%					
810	FK28X7R1E474K	.47µF	25	10%					
810	FK28X7R1C684K	.68µF	16	10%					
810	FK28X7R1E684K	.68µF	25	10%					
810	FK28X7R1C105K	1µF	16	10%					
810	FK28X7R1E105K	1µF	25	10%					
810	FK28X7R0J155K	1.5µF	6.3	10%					
810	FK28X7R0J225K	2.2µF	6.3	10%					
Temperature Coef: X7S									
810	FK28X7S2A333K	.033µF	100	10%					
810	FK28X7S2A473K	.047µF	100	10%					
810	FK28X7S2A683K	.068µF	100	10%					
810	FK28X7S2A104K	.1µF	100	10%					
Temperature Coef: Y5V									
810	FK28Y5V1H104Z	.10µF	50	+80,-20%					
810	FK28Y5V1H224Z	.22µF	50	+80,-20%					
810	FK28Y5V1H474Z	.47µF	50	+80,-20%					
810	FK28Y5V1E474Z	.47µF	25	+80,-20%					
810	FK28Y5V1E105Z	1µF	25	+80,-20%					
810	FK28Y5V1C105Z	1µF	16	+80,-20%					
810	FK28Y5V1C225Z	2.2µF	16	+80,-20%					
810	FK28Y5V1A225Z	2.2µF	10	+80,-20%					

VISHAY Ceramic Capacitors

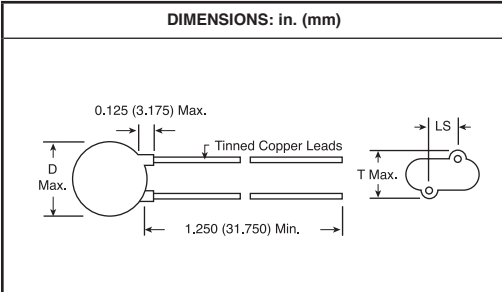


SPRAGUE 125L AND 440L SERIES: AC LINE RATED DISC CAPACITORS

Line By-Pass and Antenna Coupling Types, X and Y EMI/RFI Filter



LEAD-FREE RoHS Compliant



Case Code	Diameter (Max.)	Lead Spacing
D	.365 (9.3)	.378 (9.5)
E	.330 (8.3)	.250 (6.3)
F	.400 (10.0)	.250 (6.3)
G3	.460 (11.5)	.375 (9.4)
H	.530 (13.3)	.250 (6.3)
H3	.530 (13.3)	.375 (9.4)
J	.620 (15.5)	.375 (9.4)
L	.720 (18.0)	.375 (9.4)
P	.900 (22.5)	.375 (9.4)
W	.740 (18.5)	.375 (9.4)
X	.830 (20.8)	.375 (9.4)
Y	.940 (23.5)	.375 (9.4)

PERFORMANCE DATA

Test	125L	440L
Continuous Voltage Rating	250VAC, 2kVDC	250VAC, 4kVDC
Dielectric Strength	2000VAC, 4kVDC	3500VAC, 7kVDC
Dissipation Factor (@ +25°C)	1.50%	1.00%
Case Breakdown/Flammability	2500 VAC; UL94v0; + 105 C	
Temperature Characteristic (See Notes 1 and 2 below)	Z5U/Y5V	X5F Y5U/Z5U
Insulation Resistance (Min.)	1000Ω F	1000Ω F

Notes:

- Permissible change with temperature: Y Type: +20%, -55% (reference 20°C); X Type: +20%, -80%.
- TC Class refers to ceramic classification. 125L are Class III, Y5V. 440L K tolerance are ClassII, other 440L cases are Class III.

Vishay Ceramic Caps, Leaded

250 VAC, 2k VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (pF)	Case Code	Temp. Char.	Tol.	Price Each			
					1	10	25	50
75-125LD10-R	1000	F	Y5V	20%				
75-125LD22-R	2200	E	Y5V	20%				
75-125LD47-R	4700	H	Y5V	20%				
75-125LD50-R	5000	H3	Y5V	20%				
75-125LD68-R	6800	L	Y5V	20%				
75-125LS10-R	.01μF	L	Y5V	20%				
75-125LS20-R	.02μF	W	Y5V	20%				
75-125LS30-R	.03μF	X	Y5V	20%				
75-125LS50-R	.05μF	Y	Y5V	20%				

250/500 VAC, 4000 Vrms

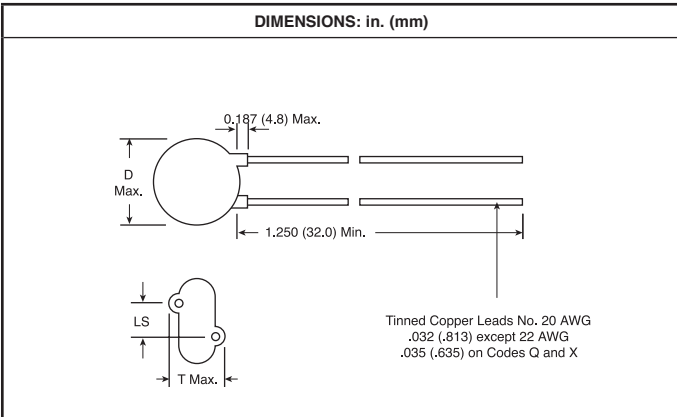
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (pF)	Case Code	Temp. Char.	Tol.	Price Each			
					1	10	25	50
75-440LT22-R	220	E	X7R	10%				
75-440LT33-R	330	F	X7R	10%				
75-440LT47-R	470	E	Y5U	20%				
75-440LD10-R	1000	G3	Y5U	20%				
75-440LD15-R	1500	D	Y5U	20%				
75-440LD22-R	2200	G3	Y5U	20%				
75-440LD33-R	3300	J	Y5U	20%				
75-440LD47-R	4700	L	Y5U	20%				
75-440LS10-R	0.01μF	P	Y5U	20%				

SPRAGUE 564 SERIES: HIGH VOLTAGE DISC CAPACITORS



LEAD-FREE RoHS Compliant



Case Code	Diameter (Max.)	Lead Spacing
E	.330 (8.3)	.250 (6.3)
F	.400 (10.0)	.250 (6.3)
F3	.400 (10.0)	.375 (9.4)
H	.530 (13.3)	.250 (6.3)
H3	.530 (13.3)	.375 (9.4)
J	.620 (15.5)	.375 (9.4)
L	.720 (18.0)	.375 (9.4)
M	.790 (19.8)	.375 (9.4)
P	.900 (22.5)	.375 (9.4)
Q	.950 (24.1)	.375 (9.4)

3K Volt, 10% and 20% Tolerance

Features:

- Application Range: Up to 4000VDC, 1000VRMS
- Dissipation Factor: 2.0% maximum
- Insulation Resistance: 50,000MΩ minimum
- Dielectric Strength: 5,250VDC, 1500VRMS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (pF)	Case Code	Temp. Char.	Tol.	Price Each			
					1	10	25	50
75-564R30GAQ10	10	E	U2J	20%				
75-564R30GAQ33	33	E	R3L	20%				
75-564R30GAT10	100	E	X5F	20%				
75-564R30GAT15	150	E	X5F	20%				
75-564R30GAT22	220	E	X5F	20%				
75-564R30GAT27	270	E	X5F	20%				
75-564R30GAT33	330	E	X7R	20%				
75-564R30GAT39	390	E	X7R	20%				
75-564R30GAT47	470	E	X5S	20%				
75-564R30GAT68	680	E	Y5U	20%				
75-564R30GAD10	1000	E	Z5U	20%				
75-564R30GAD15	1500	E	Z5U	20%				
75-564R30GAD22	2200	F	Z5U	20%				
75-564R30GAD33	3300	H	Z5U	20%				
75-564R30GAD47	4700	J	Z5U	20%				
75-564R30TSD47	4700	L	X7R	20%				
75-564R30GAD68	6800	L	Z5U	20%				
75-564R30GAD82	8200	M	Z5U	20%				
75-564R30GAS10	0.01μF	M	Z5U	20%				
75-564R30GASS10	0.01μF	L	Y5V	20%				

6K Volt, 20% Tolerance

Features:

- Application Range: Up to 60,000VDC, 1500VRMS
- Dissipation Factor: 2.0% maximum
- Insulation Resistance: 75,000MΩ minimum
- Dielectric Strength: 10,500VDC, 3000VRMS

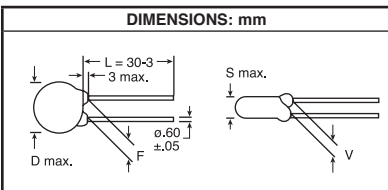
MOUSER STOCK NO.	Value (pF)	Case Code	Temp. Char.	Tol.	Price Each			
					1	10	25	50
75-564R60GAQ10	10	F3	NP0	20%				
75-564R60GAQ33	33	F3	R3L	20%				
75-564R60GAQ47	47	E	X5F	20%				
75-564R60GAS10	0.01μF	P	Z5U	20%				
75-564R60GAT10	100	F3	X5F	20%				
75-564R60GAT33	330	F3	X5S	20%				
75-564R60GAD10	1000	F3	Z5U	20%				
75-564R60GAD22	2200	H3	Z5U	20%				
75-564R60GAD47	4700	M	Z5U	20%				

ROEDERSTEIN WYO SERIES: CERAMIC AC CAPACITORS CLASS X1, 440VAC/CLASS Y2, 250VAC



Specifications:

- Design: ceramic disc with epoxy coating
- Rated voltage: 250VAC: 50/60Hz (Y2); 440VAC: 50Hz (X1)
- Coating: epoxy, dipped, insulating, flame retarding (UL94V-0)
- Approvals: IEC 60384-14/2, UL 1414, CSA C 22.2



LEAD-FREE RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (pF)	Dimensions: mm			Price Each			
		F ±1	V ±.50	D	S	1	50	100
75-WYO102MCMBF0KR	1000	5	1.4	6.5	4.5			
75-WYO222MCMBF0KR	2200	5	1.4	9.0	4.5			
75-WYO252MCMBF0KR	2500	5	1.4	9.0	4.5			
75-WYO332MCMCF0KR	3300	7.5	1.4	10.0	4.5			
75-WYO472MCMBF0KR	4700	7.5	1.4	12.0	4.5			
75-WYO472MCMCF0KR	4700	7.5	1.4	12.0	4.5			
75-WYO103MCMCF0KR	0.01μF	7.5	1.6	21.0	4.5			
75-WYO123MCMCF0KR	0.012μF	7.5	1.6	21.0	4.5			

VISHAY Ceramic Capacitors



VISHAY MULTILAYER CERAMIC DIPPED CAPACITORS For Automotive Applications

Specifications:

- Operating temp. range: -40°C to +125°C
- AEC-Q200 qualified

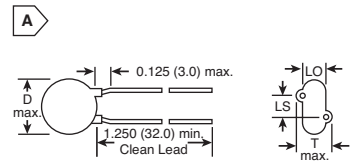


For quantities greater than listed, call for quote.

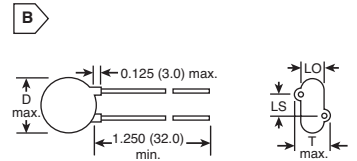
MOUSER STOCK NO.		Value (pF)	Temp. Coeff.	Tol. ±	Price Each			
Mfr.	Mfr. Part No.				1	50	100	1000
50 VDC								
594	A102K15X7RF5TAAV	1000	10%	X7R				
594	A472K15X7RF5TAAV	4700	10%	X7R				
594	A103K15X7RF5TAAV	0.010uF	10%	X7R				
594	A473K15X7RF5TAAV	0.047uF	10%	X7R				
594	A104K15X7RF5TAAV	0.1uF	10%	X7R				
100 VDC								
594	A102K15X7RH5TAAV	1000	10%	X7R				
594	A472K15X7RH5TAAV	4700	10%	X7R				
594	A104K15X7RH5TAAV	0.1uF	10%	X7R				
200 VDC								
594	A103K15X7RK5TAAV	0.010uF	10%	X7R				

Case Code	Diameter (Max.)	Thickness (Max.)	Lead Space
C	.250 (6.4)	.156 (4.0)	.250 (6.4)
E	.290 (7.4)	.156 (4.0)	.250 (6.4)
F	.370 (9.4)	.156 (4.0)	.250 (6.4)
G	.440 (11.2)	.156 (4.0)	.250 (6.4)
H	.490 (12.4)	.156 (4.0)	.250 (6.3)
H3	.490 (12.4)	.156 (4.0)	.375 (9.5)
J	.560 (14.2)	.156 (4.0)	.375 (9.5)
K	.630 (16.0)	.156 (4.0)	.375 (9.5)
M	.760 (19.3)	.156 (4.0)	.375 (9.5)

DIMENSIONS: in. (mm)



Voltage Class	Lead Offset "LO" (nom)	
	In.	mm
100	.040	1.0
500	.040	1.0
1000	.050	1.3



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Temp. Coeff.	Tol. ±	Price Each			
Mfr.	Mfr. Part No.				1	50	100	1000
50 VDC								
594	K102K15X7RF5TH5V	1000	10%	X7R				
594	K102K15X8RF5TH5V	1000	10%	X8R				
594	K472K15X7RF5TH5V	4700	10%	X7R				
594	K103K15X7RF5TH5V	0.010uF	10%	X7R				
594	K473K15X7RF5TH5V	0.047uF	10%	X7R				
594	K104K15X7RF5TH5V	0.1uF	10%	X7R				
200 VDC								
594	K102K15X7RK5TH5V	1000	10%	X7R				
594	K103K15X7RK5TH5V	0.010uF	10%	X7R				

VISHAY/BC COMPONENTS VY1/VY2 SERIES AC LINE CERAMIC DISC CAPS

Specifications:

- Operating temp. range: -40°C to +125°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (pF)	Temp. Coeff.	Tol. ±	Price Each			
Mfr.	Mfr. Part No.				1	50	100	1000
500 VDC - Class Y1								
72	VY1100K31U2JQ63V0	10	10	U2J				
72	VY1150K31U2JQ63V0	15	10	U2J				
72	VY1220K31U2JQ63V0	22	10	U2J				
72	VY1220K31U2JQ6TV0	22	10	U2J				
72	VY1330K31Y5SQ63V0	33	10	Y5S				
72	VY1470K31Y5SQ63V0	47	10	Y5S				
72	VY1680K31Y5SQ63V0	68	10	Y5S				
72	VY1101K31Y5SQ63V0	100	10	T5S				
72	VY1151K31Y5SQ63V0	150	10	Y5S				
72	VY1221K31Y5SQ63V0	220	10	Y5S				
72	VY1221K31Y5SG63V0	220	10	Y5S				
72	VY1331K31Y5SG63V0	330	10	Y5S				
72	VY1471K31Y5UQ63V0	470	10	Y5U				
72	VY1471M31Y5UQ63V0	470	20	Y5U				
72	VY1471M31Y5UG63V0	470	20	Y5U				
72	VY1681M31Y5UG63V0	680	10	Y5U				
72	VY1681M31Y5UG63V0	680	20	Y5U				
72	VY1102M35Y5UG63V0	1000	20	Y5U				
72	VY1102M35Y5UQ63V0	1000	20	Y5U				
72	VY1102M35Y5UQ6TV0	1000	20	Y5U				
72	VY1152M41Y5UQ63V0	1500	20	Y5U				
72	VY1152M41Y5UQ6TV0	1500	20	Y5U				
72	VY1222M47Y5UQ63V0	2200	20	Y5U				
72	VY1222M47Y5UQ6BTV0	2200	20	Y5U				
72	VY1222M47Y5UQ6TV0	2200	20	Y5U				
72	VY1222M47Y5UQ6UV0	2200	20	Y5U				
72	VY1222M47Y5UQ63V0	2200	20	Y5U				
72	VY1332M59Y5UG63V0	3300	20	Y5U				
72	VY1392M61Y5UG63V0	3900	20	Y5U				
72	VY1472M63Y5UQ6TV0	4700	20	Y5U				
72	VY1472M63Y5UQ6UV0	4700	20	Y5U				
72	VY1472M63Y5UQ63V0	5800	20	Y5U				
72	VY1472M63Y5UG63V0	4700	20	Y5U				
300 VDC - Class Y2								
72	VY2101K29Y5SG63V7	100	10	Y5S				
72	VY2221K29Y5SG63V7	220	10	Y5S				
72	VY2331K29Y5SG63V7	330	10	Y5S				
72	VY2471K29Y5SG63V7	440	10	Y5S				
72	VY2681M29Y5UG63V7	680	20	Y5U				
72	VY2102M29Y5UG63V7	1000	20	Y5U				
72	VY2332M41Y5UG63V7	3200	20	Y5U				
72	VY2472M49Y5UG63V7	4700	20	Y5U				
72	VY2103M63Y5UG63V0	0.01uF	20	Y5U				
72	VY2103M63Y5UG63V7	0.01uF	20	Y5U				
400 VDC - Class X1								
72	VY2222M35Y5UG63V7	2200	20	Y5U				

VISHAY/SPRAGUE PRECISION DISC CAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (pF)	Case Code	Temp. Coeff.	Tol. ±	Price Each				
Mfr.	Mfr. Part No.						1	10	25	50	100
1K VDC											
75	561R10TCCV22	A	2.2	C	C0K	0.5 pF					
75	561R10TCCV27	A	2.7	C	C0K	0.5 pF					
75	561R10TCCV33	A	3.3	C	C0G	0.5 pF					
75	561R10TCCV39	A	3.9	C	C0G	0.5 pF					
75	561R10TCCV47	A	4.7	C	C0G	0.5 pF					
75	561R10TCCV50	A	5	C	C0G	0.5 pF					
75	561R10TCCV68	A	6.8	C	C0G	0.5 pF					
75	561R10TCCQ10	A	10	C	C0G	5%					
75	561R10TCCQ12	A	12	C	C0G	5%					
75	561R10TCCQ15	A	15	C	C0G	5%					
75	561R10TCCQ18	A	18	E	C0G	5%					
75	561R10TCCQ20	A	20	E	C0G	5%					
75	561R10TCCQ22	A	22	E	C0G	5%					
75	561R10TCCQ25	A	25	E	C0G	5%					
75	561R10TCCQ27	A	27	F	C0G	5%					
75	561R10TCCQ30	A	30	F	C0G	5%					
75	561R10TCCQ33	A	33	F	C0G	5%					
75	561R10TCCQ39	A	39	F	C0G	5%					
75	561R10TCCQ47	B	47	G	C0G	5%					
75	561R10TCCQ50	B	50	G	C0G	5%					
75	561R10TCCQ56	B	56	G	C0G	5%					
75	561R10TCCQ68	B	68	H	C0G	5%					
75	561R10TCCCT10	B	100	J	C0G	5%					
75	561R10TCCCT12	B	120	J	C0G	5%					
75	561R10TCC22	B	220	M	C0G	5%					

VISHAY/SPRAGUE CERAMIC DISC CAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (pF)	Case Code	Temp. Coeff.	Tol. ± (%)	Price Each				
Mfr.	Mfr. Part No.						1	10	25	50	100
100 VDC											
75	562RTST10	B	100	C	X7R	10					
75	562RTST47	B	470	C	X7R	10					
500 VDC											
75	562R5TSD10	A	1000	E	X7R	10					
1K VDC											
75	562R5GAT10	A	100	C	X5F	20					
75	562R5GAT15	A	150	C	X5F	20					
75	562R5GAT22	A	220	C	X5F	20					
75	562R5GAT33	A	330	C	X5F	20					
75	562R5GAT47	A	470	C	X5F	20					
75	562R5GAT50	A	500	C	X5F	20					
75	562R5GAD10	A	1000	E	X7R	20					
75	562R5HKD10	A	1000	E	Y5U	100					
75	562R5GAD15	A	1500	E	Z5U	20					
75	562R5GAD20	A	2000	E	Z5U	20					
75	562R5GAD22	A	2200	E	Z5U	20					
75	562R5GAD30	A	3000	E	Z5U	20					
75	562R5GAD33	A	3300	E	Z5U	20					
75	562R5GAD47	B	4700	F	Z5U	20					
75	562R5GAD50	B	5000	F	Z5U	20					
75	562R5GAD68	B	6800	G	Z5U	20					
75											

AVX Medium Power Film Capacitors

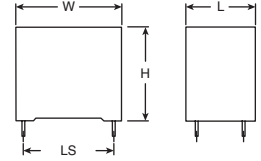


FB SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volts (V)	Value (µf)	Irms (A)	Dimensions: mm (in.)				Price Each	
Mfr.	Mfr. Part No.				L	W	H	LS	1	5
581	FB37M6A0306KC	700	30	16.0	30	42.5	45	37.5		
581	FB37H6C0106KC	900	10	8.5	22	42.5	33.5	37.5		
581	FB37M6C0206KC	900	20	14.0	30	42.5	45	37.5		
581	FB37L6L0106KC	1.1K	10	14.0	24	42.5	44	37.5		
581	FB37M6P0106KC	1.2K	10	11.0	30	42.5	45	37.5		

DIMENSIONS: mm (in.)



FE SERIES

For quantities greater than listed, call for quote.

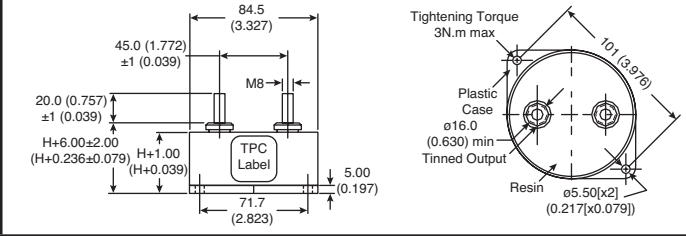
MOUSER STOCK NO.		Volts (V)	Value (µf)	Irms (A)	Dimensions: mm (in.)				Price Each	
Mfr.	Mfr. Part No.				L	W	H	LS	1	5
581	FE37M6C0206KB	900	20	15.0	30	42.5	45	37.5		
581	FE52N6L0206KB	1.1K	20	15.0	30	57.5	45	52.5		
581	FE37M6P0106KB	1.2K	10	12.0	30	42.5	45	37.5		

FFVS SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volts (V)	Value (µf)	Height mm (in.)	Irms (A)	Price Each	
Mfr.	Mfr. Part No.					1	5
581	FFVS6K0226K	600	22	34 (1.339)	78		
581	FFVS6K0147K	600	140	51 (2.008)	82		
581	FFVS6B0586K	800	58	40 (1.575)	83		
581	FFVS6B1286K	800	128	64 (2.520)	84		
581	FFVS6C0306K	900	30	34 (1.339)	56		
581	FFVS6C0656K	900	65	51 (2.520)	86		
581	FFVS6L0956K	1000	95	51 (2.008)	63		
581	FFVS6U0656K	1200	65	51 (2.520)	57		
581	FFVS6U0656K	1900	22	51 (2.520)	68		

DIMENSIONS: mm (in.)

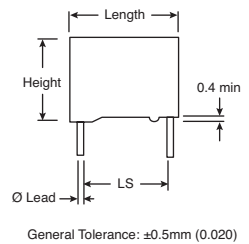


FFB SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volts (V)	Value (µf)	Irms (A)	Dimensions: mm (in.)				Price Each	
Mfr.	Mfr. Part No.				L	W	H	LS	1	5
581	FFB14D0336K	75	33	3	31.1	13.0	22.4	27.5		
581	FFB34D0686K	75	68	46.2	31.1	17.3	29.8	27.5		
581	FFB54D0117K	75	110	10	32.0	22.0	37.0	27.5		
581	FFB14E0206K	100	20	2.6	31.1	13.0	22.4	27.5		
581	FFB44E0476K	100	47	6	31.1	20.8	31.3	27.5		
581	FFB54E0686K	100	68	9	32.0	22.0	37.0	27.5		
581	FFB14H0755K	300	7.5	2.4	31.1	13.0	22.4	27.5		
581	FFB44H0186K	300	18	6	31.1	20.8	31.3	27.5		
581	FFB54H0276K	300	27	9	32.0	22.0	37.0	27.5		
581	FFB14I0625K	400	6.2	2.5	31.1	13.0	22.4	27.5		
581	FFB44I0156K	400	15	6.2	31.1	20.8	31.3	27.5		
581	FFB54I0206K	400	20	8.2	32.0	22.0	37.0	27.5		
581	FFB16J0395K	525	3.9	5.1	31.1	13.0	22.4	27.5		
581	FFB46J0106K	525	10	12	31.1	20.8	31.3	27.5		
581	FFB56J0136K	525	13	12	32.0	22.0	37.0	27.5		
581	FFB16A0335K	720	3.3	5	31.1	13.0	22.4	27.5		
581	FFB46A0755K	720	7.5	11.4	31.1	20.8	31.3	27.5		
581	FFB56A0106K	720	10	12	32.0	22.0	37.0	27.5		
581	FFB16C0205K	900	2	3.6	31.1	13.0	22.4	27.5		
581	FFB46C0515K	900	5.1	9.3	31.1	20.8	31.3	27.5		
581	FFB16L0155K	1100	1.5	3.3	31.1	13.0	22.4	27.5		
581	FFB46L0305K	1100	3	6.6	31.1	20.8	31.3	27.5		
581	FFB56L0475K	1100	4.7	10.3	32.0	22.0	37.0	27.5		

DIMENSIONS: mm (in.)

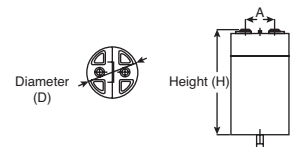


FFLI SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volts (V)	Value (µF)	Irms (A)	Dimensions: mm (in.)			Terminal	Price Each	
Mfr.	Mfr. Part No.				D	H	LS		1	5
581	FFLI6B0687KJE	800	680	53	85	155	32	Female		
581	FFLI6B1607KJE	800	1600	72	116	180	50	Female		
581	FFLI6B3007KJE	800	3000	100	116	340	50	Female		
581	FFLI6L0657KJE	1000	650	60	100	155	50	Female		
581	FFLI6L0267KJE	1000	260	56	85	105	32	Female		
581	FFLI6U0157KJE	1150	150	44	75	105	32	Female		
581	FFLI6U0437KJE	1150	430	43	85	180	32	Female		
581	FFLI6U0867KJE	1150	860	64	116	180	50	Female		
581	FFLI6Q0257KJE	1400	250	42	85	155	32	Female		
581	FFLI6Q0607KJE	1400	600	60	116	180	50	Female		

DIMENSIONS: mm (in.)

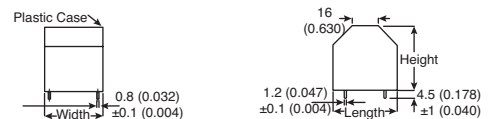


FFV3 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Volts (V)	Value (µF)	Irms (A)	Price Each	
Mfr.	Mfr. Part No.				1	5
581	FFV34D0167K	75	160	23		
581	FFV34E0107K	100	100	24		
581	FFV34H0506K	300	50	26		
581	FFV34I0406K	400	40	23		
581	FFV36J0206K	500	20	27		
581	FFV36A0206K	700	20	30		
581	FFV36C0136K	900	13	25		
581	FFV36L0905K	1100	9	20		

DIMENSIONS: mm (in.)



CORNELL DUBILIER Film Capacitors



DME SERIES - MINIATURE METALLIZED POLYESTER RADIAL DIPPED CAPACITORS

Type DME radial-leaded, mini-dipped capacitors deliver the performance of other capacitors which have cases that are twice as big. Improvements in film technology permit the use of thinner dielectric and make DME the choice for all but higher current AC applications where the larger size may be an advantage. DME self heats shorts caused by overvoltage transients. For small size and low cost, DME is tops.

Specifications:

- Voltage range: 100-1000VDC (65-250VAC)
- Capacitance range: .01-10 μ F
- Capacitance tolerance: \pm 10%
- Operating temperature range: -55°C to 125°C full-rated voltage @ 85°C - Derate linearly to 50% - rated voltage @ 125°C
- Dielectric strength: 150%
- Dissipation Factor: 1% max.
- Insulation resistance: 3,000M Ω x μ F; 9,000M Ω min.
- Life test: 1,000 hours at 85°C @ 125% rated voltage

Features:

- Significant size reduction and performance characteristics comparable to other film capacitors that are in larger case sizes
- DME self heats shorts caused by overvoltage transients
- Small size/low cost

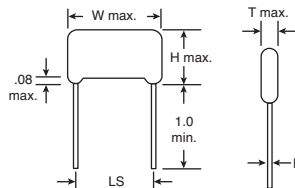


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (μ F)	Dimensions: in.					Price Each				
			W	H	T	D	LS	1	10	100		
100 VDC (65 VAC)												
5989-100V.56-F	DME1P56K-F	.56	.472	.429	.217	.024	.394					
5989-100V.68-F	DME1P68K-F	.68	.472	.469	.236	.024	.394					
5989-100V.82-F	DME1P82K-F	.82	.472	.531	.236	.024	.394					
5989-100V1.0-F	DME1W1K-F	1.0	.472	.551	.264	.024	.394					
5989-100V1.2-F	DME1W1P2K-F	1.2	.728	.504	.217	.024	.591					
5989-100V1.5-F	DME1W1P5K-F	1.5	.728	.528	.236	.032	.591					
5989-100V1.8-F	DME1W1P8K-F	1.8	.728	.567	.278	.032	.591					
5989-100V2.2-F	DME1W2P2K-F	2.2	.728	.591	.276	.032	.591					
5989-100V2.7-F	DME1W2P7K-F	2.7	.728	.622	.315	.032	.591					
5989-100V3.3-F	DME1W3P3K-F	3.3	.728	.65	.335	.032	.591					
5989-100V3.9-F	DME1W3P9K-F	3.9	1.024	.646	.276	.032	.886					
5989-100V4.7-F	DME1W4P7K-F	4.7	1.024	.669	.295	.032	.886					
5989-100V5.6-F	DME1W5P6K-F	5.6	1.024	.689	.327	.032	.886					
5989-100V6.8-F	DME1W6P8K-F	6.8	1.024	.728	.354	.032	.886					
5989-100V10.0-F	DME1W10K-F	10.0	1.024	.821	.453	.032	.886					
250 VDC (160 VAC)												
5989-250V.01-F	DME2S1K-F	.01	.406	.291	.169	.024	.295					
5989-250V.012-F	DME2S12K-F	.012	.406	.295	.173	.024	.295					
5989-250V.022-F	DME2S22K-F	.022	.406	.295	.173	.024	.295					
5989-250V.027-F	DME2S27K-F	.027	.406	.295	.177	.024	.295					
5989-250V.033-F	DME2S33K-F	.033	.406	.295	.177	.024	.295					
5989-250V.039-F	DME2S39K-F	.039	.406	.295	.177	.024	.295					
5989-250V.047-F	DME2S47K-F	.047	.406	.295	.177	.024	.295					
5989-250V.056-F	DME2S56K-F	.056	.406	.311	.189	.024	.295					
5989-250V.068-F	DME2S68K-F	.068	.406	.295	.177	.024	.295					
5989-250V.1-F	DME2P1K-F	.1	.406	.331	.228	.024	.295					
5989-250V.12-F	DME2P12K-F	.12	.406	.354	.236	.024	.295					
5989-250V.15-F	DME2P15K-F	.15	.406	.425	.236	.024	.295					
5989-250V.22-F	DME2P22K-F	.22	.472	.413	.217	.024	.394					
5989-250V.33-F	DME2P33K-F	.33	.472	.472	.278	.024	.394					
5989-250V.39-F	DME2P39K-F	.39	.728	.472	.193	.024	.591					
5989-250V.47-F	DME2P47K-F	.47	.728	.492	.209	.024	.591					
5989-250V.56-F	DME2P56K-F	.56	.728	.512	.217	.024	.591					
5989-250V.68-F	DME2P68K-F	.68	.728	.531	.236	.032	.591					
5989-250V.82-F	DME2P82K-F	.82	.728	.571	.278	.032	.591					
5989-250V1.0-F	DME2W1K-F	1.0	.728	.591	.291	.032	.591					
5989-250V1.2-F	DME2W1P2K-F	1.2	.728	.626	.315	.032	.591					
5989-250V1.5-F	DME2W1P5K-F	1.5	.728	.661	.354	.032	.591					
5989-250V1.8-F	DME2W1P8K-F	1.8	1.024	.61	.295	.032	.886					
5989-250V2.2-F	DME2W2P2K-F	2.2	1.024	.642	.335	.032	.886					
5989-250V2.7-F	DME2W2P7K-F	2.7	1.024	.669	.37	.032	.886					
5989-250V3.3-F	DME2W3P3K-F	3.3	1.024	.709	.406	.032	.886					
5989-250V3.9-F	DME2W3P9K-F	3.9	1.024	.807	.433	.032	.886					
5989-250V4.7-F	DME2W4P7K-F	4.7	1.024	.846	.472	.032	.886					
5989-250V5.6-F	DME2W5P6K-F	5.6	1.22	.827	.465	.032	1.083					
5989-250V6.8-F	DME2W6P8K-F	6.8	1.22	.882	.512	.032	1.083					
5989-250V10.0-F	DME2W10K-F	10.0	1.22	1.016	.626	.032	1.083					
400 VDC (200 VAC)												
5989-400V.01-F	DME4S1K-F	.01	.406	.291	.169	.024	.295					
5989-400V.015-F	DME4S15K-F	.015	.406	.295	.173	.024	.295					
5989-400V.018-F	DME4S18K-F	.018	.406	.295	.173	.024	.295					
5989-400V.022-F	DME4S22K-F	.022	.406	.311	.189	.024	.295					
5989-400V.033-F	DME4S33K-F	.033	.406	.354	.236	.024	.295					

DIMENSIONS: in.



Cross Reference	
Cornell Dubilier	Panasonic
DME Series	ECQE----F

Rated Volts	Pulse Capability				
	Body Length				
	.408	.472	.728	1.024	1.220
100	25	16	10	6	---
250	31	20	12	7	6
400	46	30	17	11	9
630	101	66	33	19	15
1000	---	93	104	70	---

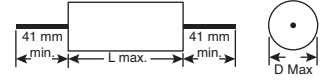
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (μ F)	Dimensions: in.					Price Each				
			W	H	T	D	LS	1	10	100		
400 VDC (200 VAC) (Cont.)												
5989-400V.039-F	DME4S39K-F	.039	.472	.315	.193	.024	.394					
5989-400V.047-F	DME4S47K-F	.047	.472	.327	.197	.024	.394					
5989-400V.056-F	DME4S56K-F	.056	.472	.394	.197	.024	.394					
5989-400V.068-F	DME4S68K-F	.068	.472	.413	.213	.024	.394					
5989-400V.1-F	DME4P1K-F	.1	.472	.472	.248	.024	.394					
5989-400V.12-F	DME4P12K-F	.12	.728	.394	.197	.024	.591					
5989-400V.22-F	DME4P22K-F	.22	.728	.512	.232	.024	.591					
5989-400V.33-F	DME4P33K-F	.33	.728	.587	.276	.032	.591					
5989-400V.47-F	DME4P47K-F	.47	.728	.669	.307	.032	.591					
5989-400V.56-F	DME4P56K-F	.56	1.024	.63	.278	.032	.886					
5989-400V.68-F	DME4P68K-F	.68	1.024	.65	.276	.032	.886					
5989-400V1.0-F	DME4W1K-F	1.0	1.024	.709	.335	.032	.886					
5989-400V1.2-F	DME4W1P2K-F	1.2	1.024	.744	.374	.032	.886					
5989-400V1.5-F	DME4W1P5K-F	1.5	1.22	.748	.374	.032	1.083					
5989-400V2.2-F	DME4W2P2K-F	2.2	1.22	.866	.433	.032	1.083					
630 VDC (250 VAC)												
5989-630V.01-F	DME6S1K-F	.01	.472	.295	.177	.024	.394					
5989-630V.015-F	DME6S15K-F	.015	.472	.323	.197	.024	.394					
5989-630V.022-F	DME6S22K-F	.022	.472	.413	.209	.024	.394					
5989-630V.033-F	DME6S33K-F	.033	.472	.469	.236	.024	.394					
5989-630V.039-F	DME6S39K-F	.039	.472	.528	.262	.024	.394					
5989-630V.047-F	DME6S47K-F	.047	.472	.531	.278	.024	.394					
5989-630V.056-F	DME6S56K-F	.056	.728	.413	.213	.024	.591					
5989-630V.068-F	DME6S68K-F	.068	.728	.433	.228	.024	.591					
5989-630V.082-F	DME6S82K-F	.082	.728	.472	.278	.024	.591					
5989-630V1.0-F	DME6P1K-F	.1	.728	.551	.248	.024	.591					
5989-630V.12-F	DME6P12K-F	.12	.728	.571	.248	.032	.591					
5989-630V.15-F	DME6P15K-F	.15	.728	.606	.295	.032	.591					
5989-630V.22-F	DME6P22K-F	.22	.728	.65	.354	.032	.591					
5989-630V.27-F	DME6P27K-F	.27	1.024	.65	.276	.032	.886					
5989-630V.33-F	DME6P33K-F	.33	1.024	.669	.307	.032	.886					
5989-630V.47-F	DME6P47K-F	.47	1.024	.728	.366	.032	.886					
5989-630V.56-F	DME6P56K-F	.56	1.024	.787	.394	.032	.886					
5989-630V.68-F	DME6P68K-F	.68	1.024	.827	.453	.032	.886					
5989-630V.82-F	DME6P82K-F	.82	1.22	.807	.445	.032	1.083					
5989-630V1.0-F	DME6W1K-F	1.0	1.22	.862	.492	.032	1.083					
5989-630V1.5-F	DME6W1P5K-F											

CDE CORNELL DUBILIER 940C POLYPROPYLENE FILM SERIES

The 940C round, axial film capacitors use polypropylene film and dual metallized electrodes for both self healing properties and high peak current carrying capability (dV/dt). This series features low ESR characteristics, excellent high frequency and high voltage capabilities.

- Specifications:**
- Voltage range: 1000 Vdc to 3000 Vdc
 - Capacitance range: .01µF to 2µF
 - Operating temperature: -55°C to +105°C
 - Capacitance tolerance: ± 10%



RoHS Compliant
DIMENSIONS: in.

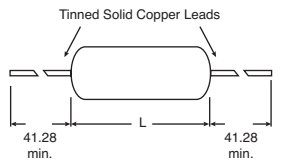
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (µf)	Dim.: mm D x L	Price Each			
				1	25	50	100
1000 VDC (500 VAC)							
5984-940C10P15K-F	940C10P15K-F	.15	15.0 x 34				
5984-940C10P22K-F	940C10P22K-F	.22	17.5 x 34				
5984-940C10P33K-F	940C10P33K-F	.33	20.5 x 34				
5984-940C10P47K-F	940C10P47K-F	.47	24.0 x 34				
5984-940C10P68K-F	940C10P68K-F	.68	28.0 x 34				
5984-940C10W1K-F	940C10W1K-F	1	26.0 x 46				
5984-940C10W2K-F	940C10W2K-F	2	35.5 x 46				
1200 VDC (500 VAC)							
5984-940C12P1K-F	940C12P1K-F	.10	15.5 x 34				
5984-940C12P22K-F	940C12P22K-F	.22	21.5 x 34				
5984-940C12P47K-F	940C12P47K-F	.47	23.0 x 46				
5984-940C12W1K-F	940C12W1K-F	1	33.0 x 46				
1600 VDC (630 VAC)							
5984-940C16P1K-F	940C16P1K-F	.10	18.0 x 34				
5984-940C16P15K-F	940C16P15K-F	.15	21.5 x 34				
5984-940C16P33K-F	940C16P33K-F	.33	23.5 x 46				
5984-940C16P47K-F	940C16P47K-F	.47	27.5 x 46				
5984-940C16W1K-F	940C16W1K-F	1	39.0 x 46				
5984-940C16W1P5K-F	940C16W1P5K-F	1.5	42.0 x 54				
2000 VDC (630 VAC)							
5984-940C20S47K-F	940C20S47K-F	.047	15.0 x 34				
5984-940C20P1K-F	940C20P1K-F	.10	21.0 x 34				
5984-940C20P22K-F	940C20P22K-F	.22	22.0 x 46				
5984-940C20P33K-F	940C20P33K-F	.33	27.0 x 46				
5984-940C20P47K-F	940C20P47K-F	.47	32.0 x 46				
5984-940C20P56K-F	940C20P56K-F	.56	31.0 x 54				
5984-940C20W1K-F	940C20W1K-F	1	41.0 x 54				
3000 VDC (750 VAC)							
5984-940C30S1K-F	940C30S1K-F	.010	11.5 x 34				
5984-940C30S47K-F	940C30S47K-F	.047	16.5 x 46				
5984-940C30P1K-F	940C30P1K-F	.10	22.5 x 46				

CDE CORNELL DUBILIER 935 METALLIZED POLYPROPYLENE SERIES

Designed for 20 - 100K Hz switching power supply input filtering, DC blocking and output filter applications where high current, high capacitance, and low ESR values are important. Dry sections are sealed with flame-retardant outer wrap and epoxy end seals for moisture resistance. This non-protected film capacitor has Underwriters Laboratories, Inc., recognition for construction only. U.L. File Number assigned is E128034(N)

- Specifications**
- Tolerance: ±10%
 - Temperature range: -55°C to 105°C
 - Voltage range: 100, 200, and 400VDC
 - Maximum DF (1K Hz, +25°C): 0.1%
 - Capacitance range: 1-30µF
 - Dielectric strength: 200%
 - Insulation resistance: 200,000MΩ x µF
 - Life test: 1,000 hrs. at 85°C @ 125% rated voltage



RoHS Compliant
DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (µf)	Dimensions: mm		Price Each			
			D	L	1	25	50	100
100 VDC (70 VAC)								
5984-100V1-F	935C1W1K-F	1	11.9	19.0				
5984-100V2-F	935C1W2K-F	2	13.6	23.8				
5984-100V5-F	935C1W5K-F	5	16.3	31.7				
5984-100V10-F	935C1W10K-F	10	20.4	38.1				
5984-100V20-F	935C1W20K-F	20	22.2	57.1				
200 VDC (140 VAC)								
5984-200V1-F	935C2W1K-F	1	11.4	31.7				
5984-200V2-F	935C2W2K-F	2	15.4	31.7				
5984-200V3-F	935C2W3K-F	3	16.6	38.1				
5984-200V10-F	935C2W10K-F	10	23.0	57.1				
400 VDC (275 VAC)								
5984-400V1-F	935C4W1K-F	1	15.7	38.1				
5984-400V2-F	935C4W2K-F	2	20.4	44.4				
5984-400V3-F	935C4W3K-F	3	24.4	44.4				
5984-400V5-F	935C4W5K-F	5	27.1	57.1				

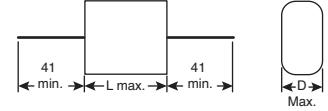
CDE CORNELL DUBILIER 941C METALLIZED POLYPROPYLENE SERIES

Type 941C flat, oval film capacitors are constructed with polypropylene film and dual metallized electrodes for both self healing properties and high peak current carrying capability (dV/dt). This series features low ESR characteristics, excellent high frequency and high voltage capabilities.

PRODUCT NEW

RoHS Compliant
DIMENSIONS: in.

- Specifications:**
- Tolerance: ±10%
 - Temperature Range: -55°C to 105°C
 - Voltage Range: 600 to 3000VDC
 - Capacitance Range: 0.01 to 4.7µF
 - Insulation Resistance: 100,000 MΩ x µF
 - Life Test: 2,000 hrs. at 85°C @ 125% rated voltage



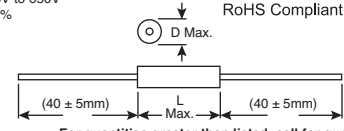
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (µf)	Dimensions: mm		Price Each			
			D	L	1	25	50	100
600 VDC (275 VAC)								
598-941C6P15KF	941C6P15K-F	.15	13	34				
598-941C6P22KF	941C6P22K-F	.22	14.3	34				
598-941C6P47KF	941C6P47K-F	.47	18	34				
598-941C6P68KF	941C6P68K-F	.68	20.4	34				
598-941C6W1P5KF	941C6W1P5K-F	1.5	27.5	34				
598-941C6W3P3KF	941C6W3P3K-F	3.3	31.8	54				
1000 VDC (500 VAC)								
598-941C10P47KF	941C10P47K-F	.47	26.3	34				
1200 VDC (500 VAC)								
598-941C12P15KF	941C12P15K-F	.15	20.7	34				
598-941C12P22KF	941C12P22K-F	.22	23.8	34				
598-941C12P33KF	941C12P33K-F	.33	24	46				
598-941C12P47KF	941C12P47K-F	.47	27.1	46				
598-941C12P68KF	941C12P68K-F	.68	31.1	46				
598-941C12W1KF	941C12W1K-F	1	36.1	46				
598-941C12W1P5KF	941C12W1P5K-F	1.5	40.2	54				
1600 VDC (630 VAC)								
598-941C16P47KF	941C16P47K-F	.47	34.1	46				
598-941C16W1KF	941C16W1K-F	1	42.5	46				
598-941C16W1P5KF	941C16W1P5K-F	1.5	47	54				
2000 VDC (630 VAC)								
598-941C20P68KF	941C20P68K-F	.68	39.2	54				
598-941C20W1KF	941C20W1K-F	1	45.6	54				

MALLOY 150 SERIES AXIAL METALLIZED POLYESTER FILM CAPACITOR

Excellent choice for general purpose applications such as blocking, bypass, decoupling, smoothing and some timing, energy storage/discharge and arc suppression.

- Low leakage
- Non-Polar
- Non inductively wound
- Epoxy end fill meets UL94V-0
- Flame retardant Polyester wrap meets UL510
- Operating temperature: -55°C to +125°C
- Capacitance range: .01µF to 2.2µF
- Voltage range: 63V to 650V
- Tolerance: 5%, 10%



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (µf)	Tol. ±	Dimen.: mm		Price Each			
				D x L	1	25	50	100	
100VDC (220VAC)									
539-150224J100CB	150224J100CB	0.22	5%	6.5 x 16.5					
539-150334J100EB	150334J100EB	0.33	5%	8 x 16					
539-150684J100FC	150684J100FC	0.68	5%	8.5 X 20.5					
539-150105J100IC	150105J100IC	1	5%	10 X 20.5					
539-150225K100LE	150225K100LE	2.2	10%	11.5 x 28					
250 VDC (160 VAC)									
539-150104J250CB	150104J250CB	0.1	5%	6.5 x 16.5					
539-150224J250FB	150224J250FB	0.22	5%	8.5 x 16.5					
539-150334J250FC	150334J250FC	0.33	5%	8.5 x 20.5					
539-150474J250HC	150474J250HC	0.47	5%	9.5 x 20.5					
539-150474K250HC	150474K250HC	0.47	10%	9.5 x 20.5					
539-150105J250JE	150105J250JE	1	5%	10.5 x 28					
539-150105K250JE	150105K250JE	1	10%	10.5 x 28					
539-150225K250PF	150225K250PF	2.2	10%	13.5 x 33					
400 VDC (200 VAC)									
539-150223K400BB	150223K400BB	0.022	10%	6 x 16.5					
539-150473J400DB	150473J400DB	0.047	5%	7 x 16.5					
539-150400V.047K	150473K400DB	0.047	10%	7 x 16.5					
539-150104J400EC	150104J400EC	0.1	5%	8 x 20.5					
539-150104K400EC	150104K400EC	0.1	10%	8 x 20.5					
539-150224J400FE	150224J400FE	0.22	5%	8.5 x 28					
539-150474J400LF	150474J400LF	0.47	5%	11.5 x 33					
630 VDC (220 VAC)									
539-150103J630BB	150103J630BB	0.01	5%	6 x 16.5					
539-150103K630BB	150103K630BB	0.01	10%	6 x 16.5					
539-150223J630DB	150223J630DB	0.022	5%	7 x 16.5					
539-150473J630EC	150473J630EC	0.047	5%	8 x 20.5					
539-150104J630FE	150104J630FE	0.1	5%	8.5 x 28					
539-150224J630LE	150224J630LE	0.22	5%	11.5 x 28					
539-150474K630RF	150474K630RF	0.47	10%	15 x 33					
539-150105K630YF	150105K630YF	1	10%	20.5 x 33					

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EPCOS Film Capacitors

RoHS Compliant This product is RoHS compliant.



PHASECAP® COMPACT SERIES

Features:

- Concentric winding
- MKK-technology
- Wavy cut and heavy edge
- Compact design
- Cylindrical aluminum can with stud
- Very high life expectancy
- High inrush current withstand ability and high overcurrent capability
- Self healing
- Overpressure disconnecter
- Touch proof terminals
- Discharge device



FEIDA MOTOR RUN CAPACITORS CBB66 - SINGLE CAPACITOR P2 ALUMINUM CAN OVAL

The EPCOS Feida Motor Run Capacitors are constructed of polypropylene film (dielectric), metallized film (electrode), with an aluminum can and metal top. Filled with PCB-free vegetable oil, the insulator material meets IEC 60335-1. The EPCOS Feida Motor Run Capacitors feature self-healing properties, a low dissipation factor, an overpressure disconnection device, and high insulation resistance. The Motor Run Capacitors meet the highest safety level P2 to IEC 60252-1 2001-02 and is IEC/EN 60335 compatible. For general sine wave applications, mainly as motor run capacitors.

Features:

- Safety Devices: Self-healing properties; Overpressure disconnecter
- Low dissipation factor
- Highest safety level P2 to IEC 60252-1 2001-02
- Tolerance: ±5%
- Lead Spacing (mm): 20
- High insulation resistance
- IEC/EN 60335 compatible
- Metal can, metal top, oval shape
- Voltage range: 250 - 450VAC
- Capacitance range: 3 - 50µF
- Temperature: -40°C to +85°C
- Low losses
- RoHS Compatible to directive 202/95/EC

Typical Applications:

- For general sine wave applications, mainly as motor run capacitor

Main Applications:

- General purpose
- Air conditioning
- Household appliances

Terminals:

- 4+4 fast-on terminal #250 style

Maximum Ratings:

- Maximum permissible voltage V_{max} : 1.1 · V_R (V_R = Rated voltage)
- Maximum permissible current I_{max} : 1.3 · I_R (I_R = Rated current)

Climatic Data:

- Climatic category: 40/070/21

Test Data:

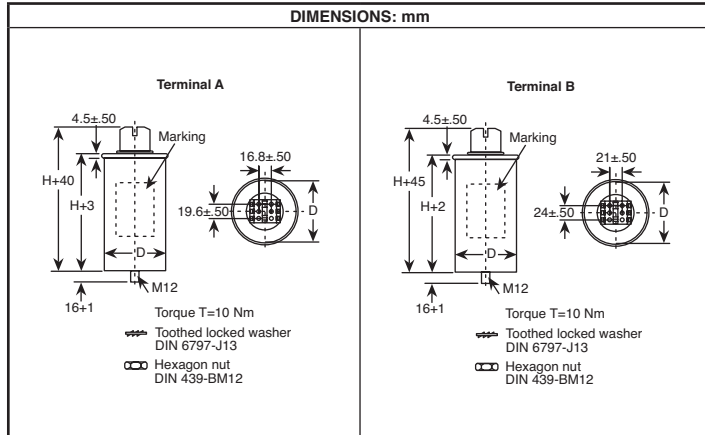
- AC test voltage terminal to terminal V_{TT} : 2.0 V_R , 10s
- Insulation voltage terminals to case: 3000 V AC, 2s
- Insulation resistance R_{ins} or time constant at 20°C, rel. Humidity ≤65% (minimum as-delivered values): 10,000 MΩ µF
- Life expectancy to EIA 456 A Jan. 89: 60,000 hours at 95% survival rate
- Dissipation factor at 20°C: ≤2.0 · 10⁻³ (100Hz)
- Maximum rate of voltage rise dV/dt_{max} : 10 V/µs

Construction:

- Dielectric: polypropylene film
- Electrode: Metallized film
- Aluminum can, metal top
- Filling material: Vegetable oil, PCB free
- Insulator material as per IEC 60335-1

Technical Data and Specifications:

- Reference standards: UL 810/IEC 60252-1/ EIA 456 A Jan. 89
- Safety class to IEC 60252-1 2001-02: P2
- Life expectancy to IEC 60252 2001: 250 - 450V: 10,000h (Class B)
- Life expectancy to EIA 456 A Jan. 89: 60,000 hours at 95% survival rate
- Rated capacitance CR: 3 - 50µF
- Rated voltage V_R : 250/370/400/450VAC
- Rated frequency f_R : 50/60 Hz



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Type	Capacity in µF 3 x	D x H mm Ø	Terminal Type	Price Each		
					1	2	5
Rated Voltage 230 V							
871-B25673A2052A040	MKK230-D-5-02	100.3	85x200	A			
871-B25673A2072A540	MKK230-D-7.5-02	150.5	100x200	B			
871-B25673A2102A040	MKK230-D-10-02	200.7	116x200	B			
871-B25673A2122A540	MKK230-D-12.5-02	250.8	116x200	B			
Rated Voltage 400 V							
871-B25673A4052A000	MKK400-D-5-02	33.2	85x125	A			
871-B25673A4072A500	MKK400-D-7.5-02	49.9	85x162	A			
871-B25673A4102A000	MKK400-D-10-02	66.3	85x162	A			
871-B25673A4122A500	MKK400-D-12.5-02	82.9	100x162	B			
871-B25673A4152A000	MKK400-D-15-02	99.5	100x162	B			
871-B25673A4201A000	MKK400-D-20-02	132.7	100x200	B			
871-B25673A4252A000	MKK400-D-25-02	165.9	116x200	B			
Rated Voltage 415 V							
871-B25673A4102A010	MKK415-D-10-4-02	64.1	100x162	B			
871-B25673A4122A510	MKK415-D-12.5-02	77.0	100x200	B			
871-B25673A4152A010	MKK415-D-15-02	92.5	100x200	B			
871-B25673A4202A810	MKK415-D-20-02	128.2	116x200	B			
871-B25673A4282A140	MKK415-D-25-02	154.0	136x200	B			
Rated Voltage 440 V							
871-B25673A4052A040	MKK440-D-5-02	27.4	85x125	A			
871-B25673A4072A540	MKK440-D-7.5-02	41.1	85x162	A			
871-B25673A4102A040	MKK440-D-10-4-02	57.0	100x162	B			
871-B25673A4122A540	MKK440-D-12.5-02	68.5	100x162	B			
871-B25673A4152A040	MKK440-D-15-02	82.2	100x200	B			
871-B25673A4202A080	MKK440-D-16.7-02	92.0	116x200	B			
871-B25673A4202A040	MKK440-D-20-02	109.7	116x200	B			
871-B25673A4252A040	MKK440-D-25-02	137.1	116x200	B			
871-B25673A4282A140	MKK440-D-28-02	154.0	136x200	B			
871-B25673A4302A040	MKK440-D-30-02	164.0	136x200	B			
871-B25673A4332A040	MKK440-D-33-02	181.0	136x200	B			
Rated Voltage 480 V							
871-B25673A4062A380	MKK480-D-6.3-02	29.0	85x162	A			
871-B25673A5102A020	MKK480-D-8.3-02	38.5	100x162	B			
871-B25673A5122A520	MKK480-D-10-02	48.1	100x200	B			
871-B25673A4122A580	MKK480-D-12.5-02	58.0	100x200	B			
871-B25673A4152A080	MKK480-D-15-02	69.1	100x200	B			
871-B25673A5202A020	MKK480-D-16.7-02	77.0	116x200	B			
871-B25673A4202A080	MKK480-D-20-02	92.0	100x200	B			
871-B25673A4252A080	MKK480-D-25-02	115.0	136x200	B			
871-B25673A4282A080	MKK480-D-28-02	129.0	136x200	B			
871-B25673A4302A080	MKK480-D-30-02	138.0	136x200	B			
Rated Voltage 525 V							
871-B25673A5082A320	MKK525-D-8.3-02	32.0	100x162	B			
871-B25673A5102A020	MKK525-D-10-02	38.5	100x162	B			
871-B25673A5122A520	MKK525-D-12.5-02	48.1	100x200	B			
871-B25673A5152A020	MKK525-D-15-02	57.8	100x200	B			
871-B25673A5162A720	MKK525-D-16.7-02	64.3	116x200	B			
871-B25673A5202A020	MKK525-D-20-02	77.0	116x200	B			
871-B25673A5252A020	MKK525-D-25-02	96.0	136x200	B			
871-B25673A5302A020	MKK525-D-30-02	115.0	136x200	B			

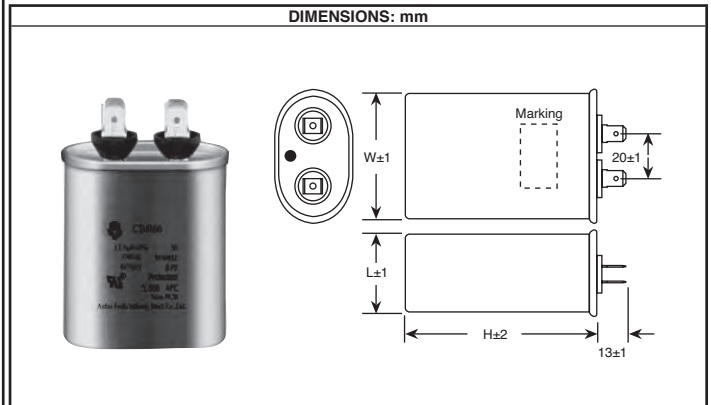
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For current pricing, visit mouser.com

EUsales@mouser.com

1053



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Voltage (VAC)	Max. Dimensions: mm			Price Each		
			W	H	L	1	30	60
871-B33364A3305J050	3	370	51.5	55	31.5			
871-B33364A3405J050	4	370	51.5	55	31.5			
871-B33364A3505J050	5	370	51.5	55	31.5			
871-B33364A3605J050	6	370	51.5	55	31.5			
871-B33364A3755J050	7	370	51.5	55	31.5			
871-B33364A3805J050	8	370	51.5	55	31.5			
871-B33364A3106J050	10	370	51.5	65	31.5			
871-B33364A3126J550	12	370	51.5	65	31.5			
871-B33364A3156J050	15	370	51.5	75	31.5			
871-B33364A3206J050	20	370	70.0	65	45.0			
871-B33364A3256J050	25	370	70.0	65	45.0			
871-B33364A3306J050	30	370	70.0	75	45.0			
871-B33364A3356J050	35	370	70.0	75	45.0			
871-B33364A3406J050	40	370	70.0	85	45.0			
871-B33364A3456J050	45	370	70.0	100	45.0			
871-B33364A3506J050	50	370	70.0	100	45.0			
871-B33364A5305J050	3	440	51.5	55	31.5			
871-B33364A5405J050	4	440	51.5	55	31.5			
871-B33364A5505J050	5	440	51.5	55	31.5			
871-B33364A5605J050	6	440	51.5	55	31.5			
871-B33364A5755J050	7	440	51.5	55	31.5			
871-B33364A5805J050	8	440	51.5	55	31.5			
871-B33364A5106J050	10	440	51.5	65	31.5			
871-B33364A5126J550	12	440	51.5	65	31.5			
871-B33364A5206J050	20	440	70.0	65	45.0			
871-B33364A5256J050	25	440	70.0	65	45.0			
871-B33364A5306J050	30	440	70.0	75	45.0			
871-B33364A5356J050	35	440	70.0	75	45.0			
871-B33364A5406J050	40	440	70.0	85	45.0			
871-B33364A5456J050	45	440	70.0	100	45.0			
871-B33364A5506J050	50	440	70.0	100	45.0			

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NEW AT MOUSER

Film Capacitors

Epcos

NEW AT MOUSER

NEW AT MOUSER

EPCOS DC Link Film Capacitors



This product is RoHS compliant.



EPCOS

DIMENSIONS: mm

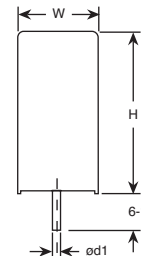
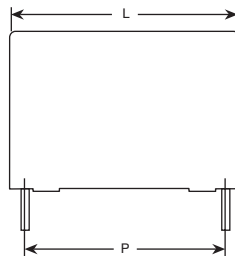
EPCOS MKP 2/4 PINS - SWITCHING DC LINK FILM RADIAL CAPACITORS

Marking:

- Manufacturer's logo
- Rated Capacitance
- Tolerance
- Rated DC voltage
- Type Number

Construction:

- Dielectric: Polypropylene (MKP) film
- Wound technology
- Plastic case (UL 94V-0)
- Epoxy resin sealing



Specifications:

- Maximum operating temperature: 100°C
- DC test voltage between terminations (to IEC61017): $1.5 \times V_r$, 10 s / $1.65 \times V_r$, 2 s
- Max. peak Current: $C (\mu F) \times dv/dt (V/\mu s)$
- Peak non-repetitive current: $1.5 \times I_r$

Terminals:

- Parallel wire leads, lead-free tinned



RoHS Compliant

2 Pin Film Capacitors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Max. Dimensions: mm			Value (µF)	dv/dt V/µs	Lead Space (P) (mm)	Lead Dia. (mm)	Voltage (DC) (85°C)	Voltage (DC) (70°C)	Voltage (VAC rms)	Price Each			
		W	H	L								1	25	100	500
871-B32674D3225K	B32674D3225K	11.0	19.0	31.5	2.2	40	27.5	0.8	300	450	160				
871-B32674D3335K	B32674D3335K	12.5	21.5	31.5	3.3	40	27.5	0.8	300	450	160				
871-B32674D3475K	B32674D3475K	14.0	24.5	31.5	4.7	40	27.5	0.8	300	450	160				
871-B32674D3565K	B32674D3565K	15.0	24.5	31.5	5.6	40	27.5	0.8	300	450	160				
871-B32674D3685K	B32674D3685K	18.0	27.5	31.5	6.8	40	27.5	0.8	300	450	160				
871-B32674D3805K	B32674D3805K	16.0	32.0	31.5	8.0	40	27.5	0.8	300	450	160				
871-B32674D3825K	B32674D3825K	18.0	33.0	31.5	8.2	40	27.5	0.8	300	450	160				
871-B32674D3106K	B32674D3106K	21.0	31.0	31.5	10	40	27.5	0.8	300	450	160				
871-B32674D3126K	B32674D3126K	22.0	36.5	31.5	12	40	27.5	0.8	300	450	160				
871-B32674D4155K	B32674D4155K	11.0	19.0	31.5	1.5	75	27.5	0.8	450	630	275				
871-B32674D4225K	B32674D4225K	12.5	21.5	31.5	2.2	75	27.5	0.8	450	630	275				
871-B32674D4335K	B32674D4335K	15.0	24.5	31.5	3.3	75	27.5	0.8	450	630	275				
871-B32674D4475K	B32674D4475K	18.0	27.5	31.5	4.7	75	27.5	0.8	450	630	275				
871-B32674D4505K	B32674D4505K	16.0	32.0	31.5	5.0	75	27.5	0.8	450	630	275				
871-B32674D4565K	B32674D4565K	16.0	33.0	31.5	5.6	75	27.5	0.8	450	630	275				
871-B32674D4605K	B32674D4605K	21.0	31.0	31.5	6.0	75	27.5	0.8	450	630	275				
871-B32674D4685K	B32674D4685K	22.0	36.5	31.5	6.8	75	27.5	0.8	450	630	275				
871-B32674D4755K	B32674D4755K	22.0	36.5	31.5	7.5	75	27.5	0.8	450	630	275				
871-B32674D6105K	B32674D6105K	11.0	19.0	31.5	1.0	100	27.5	0.8	630	800	350				
871-B32674D6155K	B32674D6155K	12.5	21.5	31.5	1.5	100	27.5	0.8	630	800	350				
871-B32674D6225K	B32674D6225K	15.0	24.5	31.5	2.2	100	27.5	0.8	630	800	350				
871-B32674D6335K	B32674D6335K	16.0	32.0	31.5	3.3	100	27.5	0.8	630	800	350				
871-B32674D6475K	B32674D6475K	22.0	36.5	31.5	4.7	100	27.5	0.8	630	800	350				
871-B32674D6505K	B32674D6505K	22.0	36.5	31.5	5.0	100	27.5	0.8	630	800	350				
871-B32674D1684K	B32674D1684K	11.0	19.0	31.5	0.68	125	27.5	0.8	750	900	375				
871-B32674D1105K	B32674D1105K	12.5	21.5	31.5	1.0	125	27.5	0.8	750	900	375				
871-B32674D1155K	B32674D1155K	14.0	24.5	31.5	1.5	125	27.5	0.8	750	900	375				
871-B32674D1225K	B32674D1225K	18.0	27.5	31.5	2.2	125	27.5	0.8	750	900	375				
871-B32674D1335K	B32674D1335K	21.0	31.0	31.5	3.3	125	27.5	0.8	750	900	375				
871-B32674D1405K	B32674D1405K	22.0	36.5	31.5	4.0	125	27.5	0.8	750	900	375				
871-B32674D8684K	B32674D8684K	11.0	21.0	31.5	0.68	150	27.5	0.8	875	1050	400				
871-B32674D8105K	B32674D8105K	13.5	23.0	31.5	1.0	150	27.5	0.8	875	1050	400				
871-B32674D8155K	B32674D8155K	18.0	27.5	31.5	1.5	150	27.5	0.8	875	1050	400				
871-B32674D8225K	B32674D8225K	18.0	33.0	31.5	2.2	150	27.5	0.8	875	1050	400				
871-B32674D8305K	B32674D8305K	22.0	36.5	31.5	3.0	150	27.5	0.8	875	1050	400				
871-B32674D8474K	B32674D8474K	11.0	19.0	31.5	0.47	100	27.5	0.8	875	1050	400				
871-B32676E3335K	B32676E3335K	12.0	22.0	42.0	3.3	22	37.5	1.0	300	450	160				
871-B32676E3475K	B32676E3475K	12.0	22.0	42.0	4.7	22	37.5	1.0	300	450	160				
871-B32676E3565K	B32676E3565K	14.0	25.0	42.0	5.6	22	37.5	1.0	300	450	160				
871-B32676E3685K	B32676E3685K	16.0	28.5	42.0	6.8	22	37.5	1.0	300	450	160				
871-B32676E3106K	B32676E3106K	18.0	32.5	42.0	10	22	37.5	1.0	300	450	160				
871-B32676E3126K	B32676E3126K	18.0	32.5	42.0	12	22	37.5	1.0	300	450	160				
871-B32676E3156K	B32676E3156K	20.0	39.5	42.0	15	22	37.5	1.0	300	450	160				
871-B32676E3206K	B32676E3206K	28.0	37.0	42.0	20	22	37.5	1.0	300	450	160				
871-B32676E3226K	B32676E3226K	28.0	42.5	42.0	22	22	37.5	1.0	300	450	160				
871-B32676E3256K	B32676E3256K	28.0	42.5	42.0	25	22	37.5	1.0	300	450	160				
871-B32676E3306K	B32676E3306K	30.0	45.0	42.0	30	22	37.5	1.0	300	450	160				
871-B32676E4305K	B32676E4305K	12.0	22.0	42.0	3.0	54	37.5	1.0	450	630	275				
871-B32676E4335K	B32676E4335K	14.0	25.0	42.0	3.3	54	37.5	1.0	450	630	275				
871-B32676E4475K	B32676E4475K	16.0	28.5	42.0	4.7	54	37.5	1.0	450	630	275				
871-B32676E4565K	B32676E4565K	16.0	28.5	42.0	5.6	54	37.5	1.0	450	630	275				
871-B32676E4685K	B32676E4685K	18.0	32.5	42.0	6.8	54	37.5	1.0	450	630	275				
871-B32676E4106K	B32676E4106K	20.0	39.5	42.0	10	54	37.5	1.0	450	630	275				
871-B32676E4206K	B32676E4206K	30.0	45.0	42.0	20	54	37.5	1.0	450	630	275				
871-B32676E6205K	B32676E6205K	12.0	22.0	42.0	2.0	73	37.5	1.0	630	800	350				
871-B32676E6275K	B32676E6275K	14.0	25.0	42.0	2.7	73	37.5	1.0	630	800	350				
871-B32676E6335K	B32676E6335K	16.0	28.5	42.0	3.3	73	37.5	1.0	630	800	350				
871-B32676E6405K	B32676E6405K	16.0	28.5	42.0	4.0	73	37.5	1.0	630	800	350				
871-B32676E6475K	B32676E6475K	18.0	32.5	42.0	4.7	73	37.5	1.0	630	800	350				
871-B32676E6685K	B32676E6685K	20.0	39.5	42.0	6.8	73	37.5	1.0	630	800	350				
871-B32676E6755K	B32676E6755K	20.0	39.5	42.0	7.5	73	37.5	1.0	630	800	350				
871-B32676E6825K	B32676E6825K	28.0	37.0	42.0	8.2	73	37.5	1.0	630	800	350				

EPCOS DC Link Film Capacitors



RoHS Compliant This product is RoHS compliant.

EPCOS MKP 2/4 PINS - SWITCHING DC LINK FILM CAPACITORS

Marking:

- Manufacturer's logo
- Rated Capacitance
- Tolerance
- Rated DC voltage
- Type Number



RoHS Compliant

Construction:

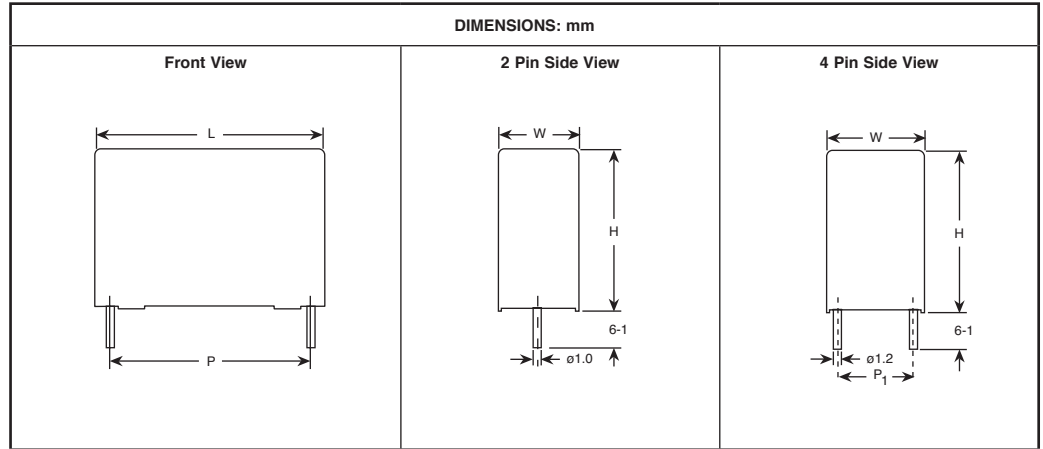
- Dielectric: Polypropylene (MKP) film
- Wound technology
- Plastic case (UL94V-0)
- Epoxy resin sealing

Specifications:

- Maximum operating temperature: 100°C
- DC test voltage between terminations (to IEC61017): $1.5 \times V_n$, 10 s / $1.65 \times V_n$, 2 s
- Max. peak Current: $C (\mu F) \times dv/dt (V/\mu s)$
- Peak non-repetitive current: $1.5 \times I_r$

Terminals:

- Parallel wire leads, lead-free tinned



2 Pin Film Capacitors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Max. Dimensions: (mm)			Value (μF)	dv/dt V/ μS	Lead Space (P) (mm)	Voltage (DC)		Voltage (VAC rms)	Price Each			
		W	H	L				85°C	70°C		1	25	100	500
871-B32676E6106K	B32676E6106K	28.0	42.5	42.0	10	73	37.5	630	800	350				
871-B32676E6126K	B32676E6126K	28.0	42.5	42.0	12	73	37.5	630	800	350				
871-B32676E6146K	B32676E6146K	30.0	45.0	42.0	14	73	37.5	630	800	350				
871-B32676E1205K	B32676E1205K	14.0	25.0	42.0	2.0	85	37.5	750	900	375				
871-B32676E1475K	B32676E1475K	20.0	39.5	42.0	4.7	85	37.5	750	900	375				
871-B32676E1565K	B32676E1565K	20.0	39.5	42.0	5.6	85	37.5	750	900	375				
871-B32676E1685K	B32676E1685K	28.0	37.0	42.0	6.8	85	37.5	750	900	375				
871-B32676E1905K	B32676E1905K	28.0	42.5	42.0	9.0	85	37.5	750	900	375				
871-B32676E1106K	B32676E1106K	30.0	45.0	42.0	10	85	37.5	750	900	375				
871-B32676E8105K	B32676E8105K	12.0	22.0	42.0	1.0	100	37.5	875	1050	400				
871-B32676E8155K	B32676E8155K	18.0	27.5	31.5	1.5	100	37.5	875	1050	400				
871-B32676E8225K	B32676E8225K	16.0	28.5	42.0	2.2	100	37.5	875	1050	400				
871-B32676E8335K	B32676E8335K	20.0	39.5	42.0	3.3	100	37.5	875	1050	400				
871-B32676E8405K	B32676E8405K	20.0	39.5	42.0	4.0	100	37.5	875	1050	400				
871-B32676E8475K	B32676E8475K	28.0	37.0	42.0	4.7	100	37.5	875	1050	400				
871-B32676E8755K	B32676E8755K	30.0	45.0	42.0	7.5	100	37.5	875	1050	400				

4 Pin Film Capacitors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Max. Dimensions: (mm)			Value (μF)	dv/dt V/ μS	Lead Space (mm)		Voltage (DC)		Voltage (VAC rms)	Price Each			
		W	H	L			P	P ₁	85°C	70°C		1	25	100	500
871-B32676G3156K	B32676G3156K	20.0	39.5	42.0	15	22	37.5	10.2	300	450	160				
871-B32676G3206K	B32676G3206K	28.0	37.0	42.0	20	22	37.5	10.2	300	450	160				
871-B32676G3226K	B32676G3226K	28.0	42.5	42.0	22	22	37.5	20.3	300	450	160				
871-B32676G3256K	B32676G3256K	28.0	42.5	42.0	25	22	37.5	20.3	300	450	160				
871-B32676G3306K	B32676G3306K	30.0	45.0	42.0	30	15	37.5	20.3	300	450	160				
871-B32676G3306K	B32676G3306K	30.0	45.0	57.5	33	15	52.5	20.3	300	450	160				
871-B32676G3356K	B32676G3356K	30.0	45.0	57.5	35	15	52.5	20.3	300	450	160				
871-B32676G3406K	B32676G3406K	30.0	45.0	57.5	40	15	52.5	20.3	300	450	160				
871-B32676G3476K	B32676G3476K	35.0	50.0	57.5	47	15	52.5	20.3	300	450	160				
871-B32676G3606K	B32676G3606K	35.0	50.0	57.5	60	15	52.5	20.3	300	450	160				
871-B32676G4156K	B32676G4156K	28.0	42.5	42.0	15	54	37.5	10.2	450	630	275				
871-B32676G4206K	B32676G4206K	30.0	45.0	42.0	20	54	37.5	20.3	450	630	275				
871-B32676G4206K	B32676G4206K	30.0	45.0	57.5	20	35	52.5	20.3	450	630	275				
871-B32676G4256K	B32676G4256K	30.0	45.0	57.5	25	35	52.5	20.3	450	630	275				
871-B32676G4306K	B32676G4306K	35.0	50.0	57.5	30	35	52.5	20.3	450	630	275				
871-B32676G4356K	B32676G4356K	35.0	50.0	57.5	35	35	52.5	20.3	450	630	275				
871-B32676G6685K	B32676G6685K	20.0	39.5	42.0	6.8	73	37.5	10.2	630	800	350				
871-B32676G6755K	B32676G6755K	20.0	39.5	42.0	7.5	73	37.5	10.2	630	800	350				
871-B32676G6825K	B32676G6825K	28.0	37.0	42.0	8.2	73	37.5	10.2	630	800	350				
871-B32676G6106K	B32676G6106K	28.0	42.5	42.0	10	73	37.5	20.3	630	800	350				
871-B32676G6126K	B32676G6126K	28.0	42.5	42.0	12	73	37.5	20.3	630	800	350				
871-B32676G6146K	B32676G6146K	30.0	45.0	42.0	14	73	37.5	20.3	630	800	350				
871-B32676G6156K	B32676G6156K	30.0	45.0	57.5	15	50	52.5	20.3	630	800	350				
871-B32676G6206K	B32676G6206K	35.0	50.0	57.5	20	50	52.5	20.3	630	800	350				
871-B32676G6256K	B32676G6256K	35.0	50.0	57.5	25	50	52.5	20.3	630	800	350				
871-B32676G1475K	B32676G1475K	20.0	39.5	42.0	4.7	85	37.5	10.2	750	900	375				
871-B32676G1565K	B32676G1565K	20.0	39.5	42.0	5.6	85	37.5	10.2	750	900	375				
871-B32676G1685K	B32676G1685K	28.0	37.0	42.0	6.8	85	37.5	20.3	750	900	375				
871-B32676G1905K	B32676G1905K	28.0	42.5	42.0	9.0	85	37.5	20.3	750	900	375				
871-B32676G1106K	B32676G1106K	30.0	45.0	42.0	10	85	37.5	20.3	750	900	375				
871-B32676G1156K	B32676G1156K	30.0	45.0	57.5	15	60	52.5	20.3	750	900	375				
871-B32676G1206K	B32676G1206K	35.0	50.0	57.5	20	60	52.5	20.3	750	900	375				
871-B32676G8335K	B32676G8335K	20.0	39.5	42.0	3.3	100	37.5	10.2	875	1050	400				
871-B32676G8475K	B32676G8475K	28.0	37.0	42.0	4.7	100	37.5	20.3	875	1050	400				
871-B32676G8755K	B32676G8755K	30.0	45.0	42.0	7.5	100	37.5	20.3	875	1050	400				
871-B32676G8106K	B32676G8106K	30.0	45.0	57.5	10	70	52.5	20.3	875	1050	400				
871-B32676G8156K	B32676G8156K	35.0	50.0	57.5	15	70	52.5	20.3	875	1050	400				

Film Capacitors

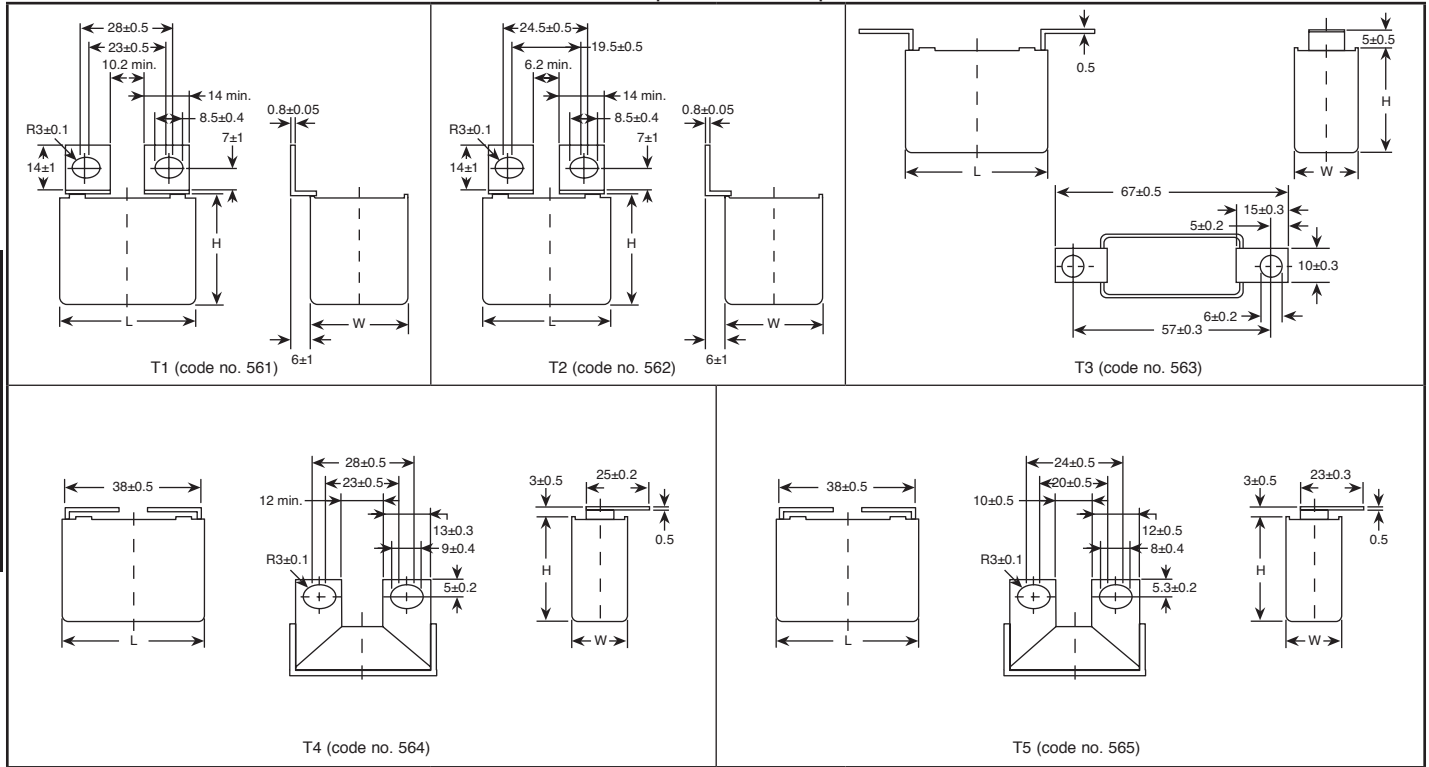
Epcos

EPCOS Film Snubber Capacitors

RoHS Compliant This product is RoHS compliant.



Epcos Film Capacitors



DIMENSIONS: mm

EPCOS MKP SNUBBER CAPACITORS

Marking:

- Manufacturer's logo
- Ordering code
- Style (MKP)
- Rated Capacitance (coded)
- Cap
- Tolerance (code letter)
- Rated DC voltage
- Date of manufacture (coded)

Construction:

- Dielectric: Polypropylene (MKP) film
- Wound technology with internal series connection
- Plastic case (UL 94 V-0)
- Epoxy resin sealing (UL 94 V-0)

Specifications:

- Maximum operating temperature: 100°C
- Strap terminals, tinned copper (maximum torque 10 Nm)
- Max. Operating Temperature: +100°C
- Rated Temperature: +85°C -55°C

Pulse Handling Capability:

"dv/dt" values represents the maximum permissible voltage change per unit of time for non-sinusoidal voltages, expressed in V/μs.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Value (μF)	VDC	Terminal	Max. Dimensions: mm			dv/dt V/μs	VAC (rms)	ESR @ 100 KHz	Irms @ 100 KHz	Price Each			
					W	H	L					1	25	100	500
871-B32656S0474K563	B32656S0474K563	0.47	1000	T3	14	25	42	450	480	8	9				
871-B32656S0474K564	B32656S0474K564	0.47	1000	T4	14	25	42	450	480	8	9				
871-B32656S0474K565	B32656S0474K565	0.47	1000	T5	14	25	42	450	480	8	9				
871-B32656S0684K563	B32656S0684K563	0.68	1000	T3	16	28.5	42	450	480	6	10				
871-B32656S0684K564	B32656S0684K564	0.68	1000	T4	16	28.5	42	450	480	6	10				
871-B32656S0684K565	B32656S0684K565	0.68	1000	T5	16	28.5	42	450	480	6	10				
871-B32656S1684K561	B32656S1684K561	0.68	1600	T1	30	45	42	600	750	6	17				
871-B32656S0105K561	B32656S0105K561	1.0	1000	T1	20	39.5	42	450	480	6	12				
871-B32656S0105K562	B32656S0105K562	1.0	1000	T2	20	39.5	42	450	480	6	12				
871-B32656S0105K563	B32656S0105K563	1.0	1000	T3	20	39.5	42	450	480	6	12				
871-B32656S0105K564	B32656S0105K564	1.0	1000	T4	20	39.5	42	450	480	6	12				
871-B32656S0105K565	B32656S0105K565	1.0	1000	T5	20	39.5	42	450	480	6	12				
871-B32656S0125K561	B32656S0125K561	1.2	1000	T1	20	39.5	42	450	480	5	13				
871-B32656S0125K562	B32656S0125K562	1.2	1000	T2	20	39.5	42	450	480	5	13				
871-B32656S0125K563	B32656S0125K563	1.2	1000	T3	20	39.5	42	450	480	5	13				
871-B32656S0125K564	B32656S0125K564	1.2	1000	T4	20	39.5	42	450	480	5	13				
871-B32656S0125K565	B32656S0125K565	1.2	1000	T5	20	39.5	42	450	480	5	13				
871-B32656S0155K561	B32656S0155K561	1.5	1000	T1	30	45	42	450	480	5	15				
871-B32656S0155K562	B32656S0155K562	1.5	1000	T2	30	45	42	450	480	5	15				
871-B32656S0155K563	B32656S0155K563	1.5	1000	T3	30	45	42	450	480	5	15				
871-B32656S7224K563	B32656S7224K563	0.22	1250	T3	14	25	42	500	500	10	8				
871-B32656S7224K564	B32656S7224K564	0.22	1250	T4	14	25	42	500	500	10	8				
871-B32656S7224K565	B32656S7224K565	0.22	1250	T5	14	25	42	500	500	10	8				
871-B32656S7684K561	B32656S7684K561	0.68	1250	T1	20	39.5	42	500	500	6	10				
871-B32656S7684K562	B32656S7684K562	0.68	1250	T2	20	39.5	42	500	500	6	10				
871-B32656S7684K563	B32656S7684K563	0.68	1250	T3	20	39.5	42	500	500	6	10				
871-B32656S7684K564	B32656S7684K564	0.68	1250	T4	20	39.5	42	500	500	6	10				
871-B32656S7684K565	B32656S7684K565	0.68	1250	T5	20	39.5	42	500	500	6	10				
871-B32656S7105K561	B32656S7105K561	1.0	1250	T1	28	37	42	500	500	6	13				
871-B32656S7105K562	B32656S7105K562	1.0	1250	T2	28	37	42	500	500	6	13				
871-B32656S7105K563	B32656S7105K563	1.0	1250	T3	28	37	42	500	500	6	13				
871-B32686S0474J561	B32686S0474J561	0.47	1000	T1	14	25	42	2000	400	3	10				
871-B32686S0474J562	B32686S0474J562	0.47	1000	T2	14	25	42	2000	400	3	10				
871-B32686S0474J563	B32686S0474J563	0.47	1000	T3	14	25	42	2000	400	3	10				
871-B32686S7224J563	B32686S7224J563	0.22	1250	T3	14	25	42	2800	450	7	8.5				
871-B32686S7224J564	B32686S7224J564	0.22	1250	T4	14	25	42	2800	450	7	8.5				
871-B32686S7224J565	B32686S7224J565	0.22	1250	T5	14	25	42	2800	450	7	8.5				

EPCOS Film Capacitors



This product is RoHS compliant.



EPCOS METALLIZED POLYESTER FILM RADIAL CAPACITORS

Applications:

- Blocking, Coupling, Decoupling
- Bypass
- RFI Suppression for Automotive Applications

Construction:

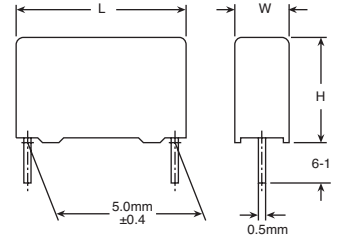
- 5-15mm lead space -- Stacked Film Technology Code "D" or "C"
- 10-27mm lead space -- Wound Capacitor Technology - Code "N", "Q", "T"



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Value	Voltage (VDC)	Tolerance	Max. Dimensions: mm (WxHxL)	Code	Lead Spacing	Price Each			
								1	10	25	50
871-B32529C102K189	B32529C102K189	0.001	63	±10%	2.5 x 6.5 x 7.2	C	5.0mm				
871-B32529C103K189	B32529C103K189	0.01	63	±10%	2.5 x 6.5 x 7.2	C	5.0mm				
871-B32529C223K189	B32529C223K189	0.022	63	±10%	2.5 x 6.5 x 7.2	C	5.0mm				
871-B32529C104K189	B32529C104K189	0.1	63	±10%	2.5 x 6.5 x 7.2	C	5.0mm				
871-B32529C105K189	B32529C105K189	1.0	63	±10%	4.5 x 9.5 x 7.3	C	5.0mm				
871-B32529C155K189	B32529C155K189	1.5	63	±10%	6.0 x 10.5 x 7.5	C	5.0mm				
871-B32529D225K189	B32529D225K189	2.2	63	±10%	7.8 x 13.0 x 7.8	D	5.0mm				
871-B32529C1102K189	B32529C1102K189	0.001	100	±10%	2.5 x 6.5 x 7.2	C	5.0mm				
871-B32529C1472K189	B32529C1472K189	0.0047	100	±10%	2.5 x 6.5 x 7.2	C	5.0mm				
871-B32529C1103K189	B32529C1103K189	0.01	100	±10%	2.5 x 6.5 x 7.2	C	5.0mm				
871-B32529C1223K189	B32529C1223K189	0.022	100	±10%	2.5 x 6.5 x 7.2	C	5.0mm				
871-B32529C1683K189	B32529C1683K189	0.068	100	±10%	2.5 x 6.5 x 7.2	C	5.0mm				
871-B32529C1104K189	B32529C1104K189	0.1	100	±10%	2.5 x 6.5 x 7.2	C	5.0mm				
871-B32529D1105K189	B32529D1105K189	1.0	100	±10%	7.8 x 13.0 x 7.8	D	5.0mm				
871-B32529C3103K189	B32529C3103K189	0.01	250	±10%	2.5 x 6.5 x 7.2	C	5.0mm				



Film Capacitors

Epcos

EPCOS METALLIZED POLYPROPYLENE RADIAL CAPACITORS

Applications:

- Smoothing
- High-Frequency AC Loads
- TV (Flyback)

Features:

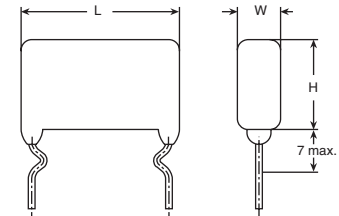
- Wound Capacitor Technology with epoxy coating
- Very High Pulse Strength
- Self-healing properties



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Value (µF)	Voltage (VDC)	Voltage (VAC)	Tolerance	Max. Dimensions: mm (WxHxL)	Lead Spacing	Price Each			
								1	10	25	50
871-B32632A1222J10	B32632A1222J10	0.0022	1600	450	±5%	7.0 x 12.0 x 19.0	15mm				
871-B32632A1472K10	B32632A1472K10	0.0047	1600	450	±10%	9.5 x 15.5 x 19.0	15mm				
871-B32632A1103J10	B32632A1103J10	0.01	1600	450	±5%	12.5 x 17.5 x 19.0	15mm				
871-B32633A1103J10	B32633A1103J10	0.01	1600	450	±5%	8.0 x 17.0 x 27.5	22.5mm				
871-B32633A1223J10	B32633A1223J10	0.022	1600	450	±5%	11.5 x 19.5 x 27.5	22.5mm				
871-B32633A1333J10	B32633A1333J10	0.033	1600	450	±5%	15.5 x 22.5 x 27.5	22.5mm				
871-B32632A2102J10	B32632A2102J10	0.001	2000	500	±5%	7.0 x 14.0 x 27.5	22.5mm				
871-B32633A2103J10	B32633A2103J10	0.01	2000	500	±5%	10.5 x 17.5 x 27.5	22.5mm				
871-B32633A2153J10	B32633A2153J10	0.015	2000	500	±5%	13.0 x 20.5 x 27.5	22.5mm				
871-B32633A2153K10	B32633A2153K10	0.015	2000	500	±10%	13.0 x 20.5 x 27.5	22.5mm				
871-B32633A2223J10	B32633A2223J10	0.022	2000	500	±5%	15.5 x 22.5 x 27.5	22.5mm				



EMI SUPPRESSION METALLIZED BOX CAPACITORS

Class X2

Applications:

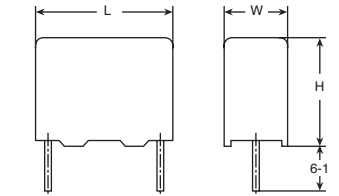
- "Across the Line" Applications
- Polypropylene Boxed Construction
- Epoxy Resin Sealing
- UL 1414 / UL 1286 File # E97863 / E157153



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Value (µF)	Voltage (VDC)	Tolerance	Max. Dimensions: mm (WxHxL)	Lead Spacing	Price Each			
							1	10	25	50
871-B32921C3104M	B32921C3104M	0.1	305	±20%	6.0 x 12.0 x 13.0	10mm				
871-B32922C3104M	B32922C3104M	0.1	305	±20%	5.0 x 10.5 x 18.0	15mm				
871-B32922C3334M	B32922C3334M	0.33	305	±20%	8.0 x 14.0 x 18.0	15mm				
871-B32923C3105M	B32923C3105M	1.0	305	±20%	11.0 x 20.5 x 26.5	22.5mm				



Class Y1

Applications:

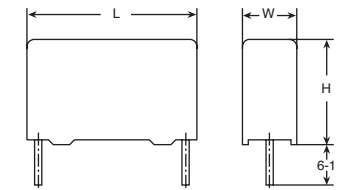
- "Line to Ground" Applications
- Polypropylene Boxed Construction
- Epoxy Resin Sealing
- UL 1414 File # E97863



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Value (µF)	Voltage (VDC)	Tolerance	Max. Dimensions: mm (WxHxL)	Lead Spacing	Class	Price Each			
								1	10	25	50
871-B81123C1102M	B81123C1102M	0.001	250	±20%	5.0 x 10.5 x 18.0	15mm	Y1				
871-B81123C1222M	B81123C1222M	0.0022	250	±20%	7.0 x 12.5 x 18.0	15mm	Y1				
871-B81123C1332M	B81123C1332M	0.0033	250	±20%	8.5 x 14.5 x 18.0	15mm	Y1				
871-B81123C1472M	B81123C1472M	0.0047	250	±20%	9.0 x 17.5 x 18.0	15mm	Y1				
871-B81123C1562M	B81123C1562M	0.0056	250	±20%	7.0 x 16.0 x 26.5	22.5mm	Y1				
871-B81123C1682M	B81123C1682M	0.0068	250	±20%	8.5 x 16.5 x 26.5	22.5mm	Y1				
871-B81123C1103M	B81123C1103M	0.01	250	±20%	10.5 x 16.5 x 26.5	22.5mm	Y1				



EPCOS Film Capacitors



This product is RoHS compliant.



B32332 SERIES MOTOR RUN METALLIZED POLYPROPYLENE FILM CAPS P2

Features:

- Self-healing properties
- Low dissipation factor
- Highest safety level P2 to IEC 60252-1 2001-02
- Overpressure disconnection device
- High insulation resistance
- Load Life: 30,000 hr
- EN 60335-1 compliance on request

Construction:

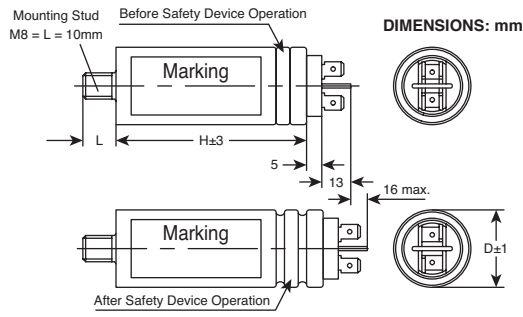
- Aluminum can with plastic top
- Soft polyurethane resin

Terminals:

- B32332 – Double Fast on: 6.3x0.8 mm

Mounting part:

- Threaded stud at bottom of can (M8, max. torque = 5 Nm)



Applications:

- For general sine wave applications, mainly as motor run capacitor

MOUSER STOCK NO.	Epcos Part No.	Value (µF)	Voltage (VAC)	Tol. (±)	Case Dia.	Dimensions: mm D x L	Price Each			
							1	50	100	200
871-B32332I6255J81	B32332I6255J81	2.5	450	5%	30	30x52				
871-B32332I6505J82	B32332I6505J82	5	450	5%	30	30x52				
871-B32332I6755J80	B32332I6755J80	7.5	450	5%	30	30x68				
871-B32332I6106J80	B32332I6106J80	10	450	5%	30	30x68				
871-B32332I6156J80	B32332I6156J80	15	450	5%	30	30x78				
871-B32332I6206J81	B32332I6206J81	20	450	5%	30	30x93				
871-B32332I6256J80	B32332I6256J80	25	450	5%	35	35x93				
871-B32332I6306J80	B32332I6306J80	30	450	5%	35	35x93				
871-B32332I6356J82	B32332I6356J82	35	450	5%	35	35x103				
871-B32332I6406J81	B32332I6406J81	40	450	5%	40	40x103				
871-B32332I6506J82	B32332I6506J82	50	450	5%	45	45x103				
871-B32332I6606J82	B32332I6606J82	60	450	5%	45	45x103				

MKP 2 PIN METALLIZED POLYPROPYLENE FILM RADIAL CAPACITORS

Features:

- Compact
- High ripple and peak current
- High frequency AC operation capability
- High voltage capability
- Excellent self-healing property
- Load Life: 200,000 hr
- (IEC 60068-1): 55/110/56
- Operating Temperature range: -55°C to +125°C

Applications:

- PFC (Power Factor Correction)

Construction:

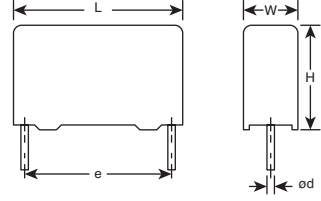
- Wound capacitor technology
- Plastic case (UL 94 V-0)
- Epoxy resin sealing

Terminals:

- Parallel wire leads, tinned

DIMENSIONS: mm

Lead Spacing E±0.4	Lead Diameter ød	Type
10	0.6	B32671P
15	0.8	B32672P
22.5	0.8	B32673P



MOUSER STOCK NO.	Epcos Part No.	Value (µF)	Voltage (VDC)	Voltage (VAC)	Tol. (±)	Dimensions: mm LxWxH	Price Each			
							1	10	100	500
B32671P Series										
871-B32671P4104K000	B32671P4104K000	0.1	450	160	10%	13x4x9				
871-B32671P4154K000	B32671P4154K000	0.15	450	160	10%	13x4x9				
871-B32671P4224K000	B32671P4224K000	0.22	450	160	10%	13x5x11				
871-B32671P4334K000	B32671P4334K000	0.33	450	160	10%	13x6x12				
871-B32671P4474K000	B32671P4474K000	0.47	450	160	10%	13x6x14				
871-B32671P4474M000	B32671P4474M000	0.47	450	160	10%	13x6x14				
871-B32671P4684K000	B32671P4684K000	0.68	450	160	10%	13x7x16				
871-B32671P4105K000	B32671P4105K000	1	450	160	10%	13x8x17.5				
871-B32671P5823K000	B32671P5823K000	0.082	520	200	10%	13x4x9				
871-B32671P5104K000	B32671P5104K000	0.1	520	200	10%	13x5x11				
871-B32671P5154K000	B32671P5154K000	0.15	520	200	10%	13x5x11				
871-B32671P5224K000	B32671P5224K000	0.22	520	200	10%	13x6x12				
871-B32671P6683K000	B32671P6683K000	0.068	630	200	10%	13x4x9				
871-B32671P6823K000	B32671P6823K000	0.082	630	200	10%	13x5x11				
871-B32671P6104K000	B32671P6104K000	0.1	630	200	10%	13x5x11				
871-B32671P6154K000	B32671P6154K000	0.15	630	200	10%	13x6x12				
871-B32671P6184K000	B32671P6184K000	0.18	630	200	10%	13x6x12				
B32672P Series										
871-B32672P4104K000	B32672P4104K000	0.1	450	160	10%	18x5x10.5				
871-B32672P4224K000	B32672P4224K000	0.22	450	160	10%	18x5x10.5				
871-B32672P4334K000	B32672P4334K000	0.33	450	160	10%	18x5x10.5				
871-B32672P4474K000	B32672P4474K000	0.47	450	160	10%	18x5x10.5				
871-B32672P4564K000	B32672P4564K000	0.56	450	160	10%	18x6x11				
871-B32672P4684K000	B32672P4684K000	0.68	450	160	10%	18x6x12				
871-B32672P4105K000	B32672P4105K000	1	450	160	10%	18x7x12.5				
871-B32672P4155K000	B32672P4155K000	1.5	450	160	10%	18x9x17.5				
871-B32672P4185K000	B32672P4185K000	1.8	450	160	10%	18x9x17.5				
871-B32672P4205K000	B32672P4205K000	2	450	160	10%	18x9x17.5				
871-B32672P4225K000	B32672P4225K000	2.2	450	160	10%	18x11x18.5				
871-B32672P5154K000	B32672P5154K000	0.15	520	200	10%	18x5x10.5				
871-B32672P5224K000	B32672P5224K000	0.22	520	200	10%	18x5x10.5				
871-B32672P5334K000	B32672P5334K000	0.33	520	200	10%	18x6x11				
871-B32672P5474K000	B32672P5474K000	0.47	520	200	10%	18x7x12.5				
871-B32672P5684K000	B32672P5684K000	0.68	520	200	10%	18x8.5x14.5				
871-B32672P5105K000	B32672P5105K000	1	520	200	10%	18x9x17.5				
871-B32672P5155K000	B32672P5155K000	1.5	520	200	10%	18.1x18.5				
B32673P Series										
871-B32673P4225K000	B32673P4225K000	2.2	450	160	10%	26.5x8.5x16.5				
871-B32673P6334K000	B32673P6334K000	0.33	630	200	10%	26.5x6x15				
871-B32673P6474K000	B32673P6474K000	0.47	630	200	10%	26.5x6x15				
871-B32673P6564K000	B32673P6564K000	0.56	630	200	10%	26.5x6x15				
871-B32673P6684K000	B32673P6684K000	0.68	630	200	10%	26.5x7x16				

KEMET Film Capacitors

The Capacitance Company
KEMET
CHARGED™

NEW AT MOUSER

Film Capacitors

KEMET

NEW AT MOUSER

NEW AT MOUSER

RoHS Compliant This product is RoHS compliant.

C4AE SERIES BOX CAPACITOR DC-LINK RADIAL 4 LEADS

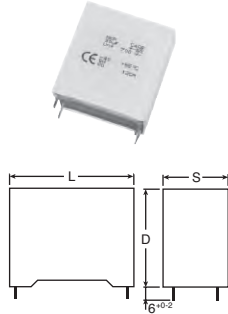
Features:

- Operating temperature range: -40°C to +85°C
- Self-healing
- High capacitance density
- Low losses
- High ripple current
- High contact reliability
- Suitable for high frequency applications
- Tolerance: 5%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm			Price Each		
		D	L	S	1	10	25
450V							
80-C4AEGBW5350A3JJ	35	28	37	42.5			
80-C4AEGBW5500A3LJ	50	30	45	42			
80-C4AEGBW6100A3NJ	100	35	50	57.5			
80-C4AEGBW6100H3NJ	100	35	50	57.5			
700V							
80-C4AEJBW5150A3FJ	15	20	40	41.5			
80-C4AEJBW5200A3JJ	20	28	37	42.5			
80-C4AEJBW5300A3LJ	30	30	45	42			
80-C4AEJBW5450A3MJ	45	30	45	57.5			
80-C4AEJBW5550A3NJ	55	35	50	57.5			
900V							
80-C4AEOBW5120A3FJ	12	20	40	41.5			
80-C4AEOBW5140A3JJ	14	28	37	42.5			
80-C4AEOBW5160A3HJ	16	24	44	41.5			
80-C4AEOBW5200A3LJ	20	30	45	42			
80-C4AEOBW5300A3MJ	30	30	45	57.5			
80-C4AEOBW5400A3NJ	40	35	50	57.5			
80-C4AEOBW5400H3NJ	40	35	50	57.5			

DIMENSIONS: mm

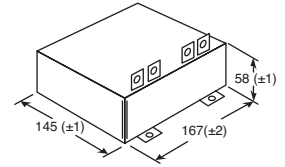


DC LINK FILM CAPACITOR

Features and Specifications:

- Tolerance: ±10%
- Temperature range: -40°C to +105°C
- Long life, 20000 hours at 90°C
- ESR at 1KHz mΩ: <0.9
- Max. RMS Current (10KHz): 100

DIMENSIONS: mm



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Volt	Value (µF)	Price Each		
				1	10	25
80-C4EEHNX7100BAUK	C4EEHNX7100BAUK	600	1000			

C4A/C4B SERIES POLYPROPYLENE FILM CAPACITORS

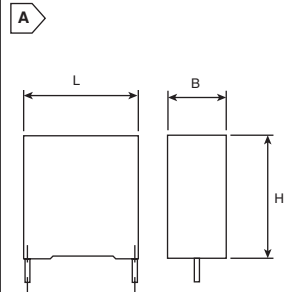
Features:

- Self-healing
- Low losses
- Operating temperature range: -40°C to +85°C
- High ripple current
- High contact reliability

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Fig.	Voltage	Value (µF)	ESR 100 @ kHz (mΩ)	Dimensions: mm			Price Each			
						B	H	L	1	5	10	25
C4A Series												
80-C4ATDBW5200A30J	C4ATDBW5200A30J	A	250	20	3.1	28	37	42.5				
80-C4ATDBW5300A30J	C4ATDBW5300A30J	A	250	30	2.6	30	45	42.5				
80-C4ATDBW5600A30J	C4ATDBW5600A30J	A	250	60	2.6	35	50	57.5				
80-C4ATFBW5100A3FJ	C4ATFBW5100A3FJ	A	400	10	2.2	20	40	41.5				
80-C4ATFBW5400A3NJ	C4ATFBW5400A3NJ	A	400	40	1.4	35	50	57.5				
80-C4ATGBW4330A3EJ	C4ATGBW4330A3EJ	A	450	3.3	2.9	18	33	32				
80-C4ATGBW4680A3GJ	C4ATGBW4680A3GJ	A	450	6.8	1.6	22	37	32				
80-C4ATGBW5150A3LJ	C4ATGBW5150A3LJ	A	450	15	1.6	30	45	42				
80-C4ATGBW5200A3MJ	C4ATGBW5200A3MJ	A	450	20	2.2	30	45	57.5				
80-C4ATHBW4900A3LJ	C4ATHBW4900A3LJ	A	600	9	1.9	30	45	42				
80-C4ATHBW5200A3NJ	C4ATHBW5200A3NJ	A	600	20	1.9	35	50	57.5				
80-C4ATJBW4500A3JJ	C4ATJBW4500A3JJ	A	700	5	2.9	30	45	57.5				
80-C4ATMBW5100A3NJ	C4ATMBW5100A3NJ	A	850	10	2.5	35	50	57.5				
C4B Series												
80-C4BTHBX4300ZAFJ	C4BTHBX4300ZAFJ	B	600	3	4.8	20	40	41.5				
80-C4BTHBX4500ZAFJ	C4BTHBX4500ZAFJ	B	600	5	2.9	20	40	41.5				
80-C4BTHBX5200ZANJ	C4BTHBX5200ZANJ	B	600	20	1.7	35	50	57.5				
80-C4BTJBX4500ZAJJ	C4BTJBX4500ZAJJ	B	700	5	2.6	28	37	42				

DIMENSIONS: mm



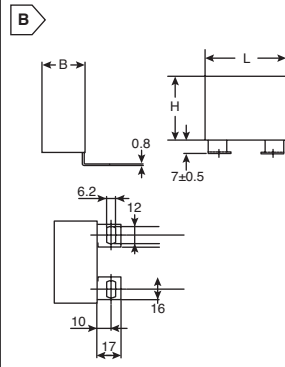
C4BS MKP SERIES BOX IGBT FILM CAPACITORS

Features:

- Self-healing
- Low losses
- Operating temperature range: -40°C to +85°C
- High ripple current
- High contact reliability

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Fig.	Voltage	Value (µF)	ESR max @ 100kHz (mΩ)	Dimensions: mm			Price Each			
						B	H	L	1	5	10	25
80-C4BSMBX4100ZAFJ	C4BSPBX3470ZAFJ	B	850	1	2.7	20	40	41.5				
80-C4BSMBX4200ZALJ	C4BSPBX3470ZBFJ	B	850	2	2.1	30	45	42				
80-C4BSNBX3470ZEEK	C4BSNBX4100ZBFJ	B	1000	0.47	3.9	18	33	32				
80-C4BSNBX4100ZBFJ	C4BSPBX4120ZAJJ	B	1000	1	3.7	20	40	41.5				
80-C4BSNBX4100ZAFJ	C4BSPBX4120ZBJJ	B	1000	1	3.7	20	40	41.5				
80-C4BSNBX4100ZEFJ	C4BSNBX4100ZEFJ	B	1000	1	3.7	20	40	41.5				
80-C4BSNBX4150ZAJJ	C4BSNBX4150ZAJJ	B	1000	1.5	2.5	28	37	42.5				
80-C4BSNBX4200ZALJ	C4BSNBX4200ZALJ	B	1000	2	2.0	30	45	42				
80-C4BSNBX4200ZBLJ	C4BSNBX4200ZBLJ	B	1000	2	2.0	30	45	42				
80-C4BSNBX4300ZAMJ	C4BSNBX4300ZAMJ	B	1000	3	2.8	30	45	57.5				
80-C4BSPBX3470ZAFJ	C4BSPBX3470ZAFJ	B	1200	0.47	6.7	20	40	41.5				
80-C4BSPBX3470ZBFJ	C4BSPBX3470ZBFJ	B	1200	0.47	6.7	20	40	41.5				
80-C4BSPBX3680ZBFJ	C4BSPBX3680ZBFJ	B	1200	0.68	4.7	20	40	41.5				
80-C4BSPBX4120ZAJJ	C4BSPBX4120ZAJJ	B	1200	1.2	2.8	28	37	42.5				
80-C4BSPBX4120ZBJJ	C4BSPBX4120ZBJJ	B	1200	1.2	2.8	28	37	42.5				
80-C4BSPBX4100ZAJJ	C4BSPBX4100ZAJJ	B	1200	1	3.3	28	37	42.5				
80-C4BSPBX4300ZBNJ	C4BSPBX4300ZBNJ	B	1200	3	2.5	35	50	57.5				
80-C4BSWBX3100ZAFJ	C4BSWBX3100ZAFJ	B	2000	0.1	23.3	20	40	41.5				
80-C4BSWBX3220ZAFJ	C4BSWBX3220ZAFJ	B	2000	0.22	10.7	20	40	41.5				
80-C4BSWBX3330ZAFJ	C4BSWBX3330ZAFJ	B	2000	0.33	7.2	20	40	41.5				
80-C4BSWBX3470ZAFJ	C4BSWBX3470ZAFJ	B	2000	0.47	5.1	20	40	41.5				
80-C4BSWBX3470ZBFJ	C4BSWBX3470ZBFJ	B	2000	0.47	5.1	20	40	41.5				
80-C4BSYBX3330ZALJ	C4BSYBX3330ZALJ	B	3000	0.33	5.4	30	45	42				
80-C4BSYBX3330ZBLJ	C4BSYBX3330ZBLJ	B	3000	0.33	5.4	30	45	42				



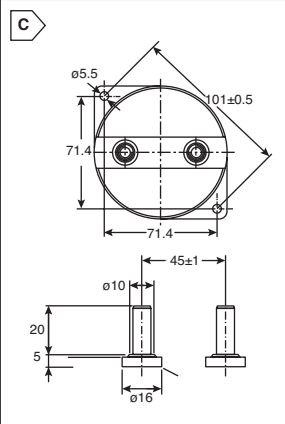
C4DE MKP SERIES LOW INDUCTANCE DC-LINK FILM CAPACITORS

Features:

- Operating temperature range: -40°C to +85°C
- Metallized polypropylene film
- Tolerance: 10%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Fig.	Voltage	Value (µF)	ESR @ 10 kHz (mΩ)	I RMS A	Price Each		
							1	10	25
80-C4DEFPQ6175A8TK	C4DEFPQ6175A8TK	C	400	175	0.50	4375			
80-C4DEFPQ6260A8TK	C4DEFPQ6260A8TK	C	400	260	0.62	5200			
80-C4DEFPQ6380A8TK	C4DEFPQ6380A8TK	C	400	380	0.81	5700			
80-C4DEHPQ6100A8TK	C4DEHPQ6100A8TK	C	600	100	0.60	3000			
80-C4DEHPQ6150A8TK	C4DEHPQ6150A8TK	C	600	150	0.75	3750			
80-C4DEHPQ6220A8TK	C4DEHPQ6220A8TK	C	600	220	1.00	4400			
80-C4DEIPQ5680A8TK	C4DEIPQ5680A8TK	C	800	68	0.70	2380			
80-C4DEIPQ6100A8TK	C4DEIPQ6100A8TK	C	800	100	0.90	3000			
80-C4DEIPQ6140A8TK	C4DEIPQ6140A8TK	C	800	140	1.20	3500			
80-C4DENPQ5470A8TK	C4DENPQ5470A8TK	C	1000	47	0.80	1739			
80-C4DENPQ5680A8TK	C4DENPQ5680A8TK	C	1000	68	1.10	2176			
80-C4DENPQ6100A8TK	C4DENPQ6100A8TK	C	1000	100	1.30	2700			



KEMET Film Capacitors

The Capacitance Company
KEMET
CHARGED.



This product is RoHS compliant.

RADIAL METALLIZED POLYPROPYLENE FILM CAPACITORS

General Technical Data:

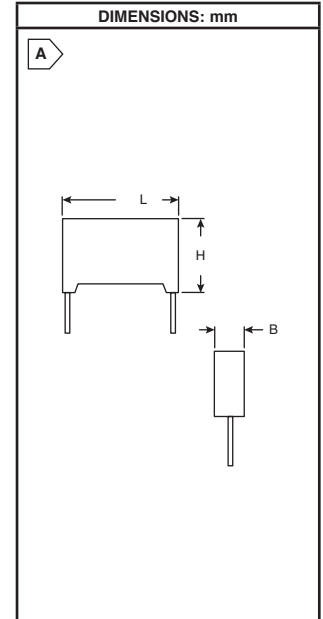
- Non-inductive type
- Operating temperature range: -40°C to +110°C

Typical Applications:

Interference suppression and across the line applications. Suitable for use in situations where failure of the capacitor could lead to danger of electrical shock.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Fig	Value (µF)	Tolerance	Class	Dimensions: mm			Price Each		
						L	H	B	1	50	100
R41 Series											
300V											
80-R413F12200000M	R413F12200000M	A	0.0022	20%	Y2	13.0	9.0	4.0			
80-R413F13300000M	R413F13300000M	A	0.0033	20%	Y2	13.0	11.0	5.0			
80-R413F147000M1M	R413F147000M1M	A	0.0047	20%	Y2	13.0	11.0	5.0			
80-R413F11000000M	R413F11000000M	A	0.001	20%	Y2	13.0	9.0	4.0			
80-R413I22000000M	R413I22000000M	A	0.022	20%	Y2	18.0	13.5	7.5			
80-R413I21000000M	R413I21000000M	A	0.01	20%	Y2	13.0	11.0	5.0			
R46 Series											
275V											
80-R46KI22200001K1	R46KI22200001K1	A	0.022	10%	X2	18.0	11.0	5.0			
80-R46KI322000M2M	R46KI322000M2M	A	0.22	20%	X2	18.0	13.5	7.5			
80-R46KN322000M1M	R46KN322000M1M	A	0.22	20%	X2	26.5	15.0	6.0			
80-R46KI333000N1M	R46KI333000N1M	A	0.33	20%	X2	18.0	13.5	7.5			
80-R46KI333000M1M	R46KI333000M1M	A	0.33	20%	X2	18.0	16.0	10.0			
80-R46KI347000N0M	R46KI347000N0M	A	0.47	20%	X2	18.0	16.0	10.0			
80-R46KN347000N0M	R46KN347000N0M	A	0.47	20%	X2	26.5	16.0	7.0			
80-R46KN347000M1K	R46KN347000M1K	A	0.47	10%	X2	18.0	19.0	11.0			
80-R46KN410000N2M	R46KN410000N2M	A	1	20%	X2	26.5	18.5	10.0			
80-R46KR410000M1K	R46KR410000M1K	A	1	10%	X2	32.0	20.0	11.0			
80-R46KR415000M1K	R46KR415000M1K	A	1.5	10%	X2	32.0	22.0	13.0			
80-R46KR422000M2K	R46KR422000M2K	A	2.2	10%	X2	32.0	25.0	13.0			
80-R46KR422050M1M	R46KR422050M1M	A	2.205	20%	X2	32.0	28.0	14.0			



RADIAL METALLIZED POLYESTER FILM CAPACITORS

General Technical Data:

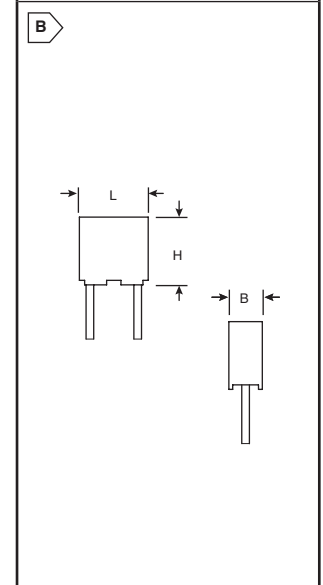
- Non-inductive type
- Operating temperature range: -55°C to +105°C

Typical Applications:

By-passing, blocking, coupling, decoupling, timing, oscillator circuits.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Fig	Value (µF)	Tolerance	Dimensions: mm			Price Each			
					L	H	B	1	50	100	
R82 Series											
50V											
80-R82CC4220Z370J	R82CC4220Z370J	B	2.2	5%	7.2	11.0	6.0				
63V											
80-R82DC3100AA50J	R82DC3100AA50J	B	0.1	5%	7.2	6.5	2.5				
80-R82DC3100DQ50J	R82DC3100DQ50J	B	0.1	5%	7.2	6.5	2.5				
80-R82DC4100CK60J	R82DC4100CK60J	B	0.1	5%	7.2	10.0	5.0				
80-R82DC3100AA50K	R82DC3100AA50K	B	0.1	10%	7.2	6.5	2.5				
80-R82DC3220AA60J	R82DC3220AA60J	B	0.22	5%	7.2	6.5	2.5				
80-R82DC3220DQ60J	R82DC3220DQ60J	B	0.22	5%	7.2	6.5	2.5				
80-R82DC3220Z360J	R82DC3220Z360J	B	0.22	5%	7.2	6.5	2.5				
80-R82DC3470AA60J	R82DC3470AA60J	B	0.47	5%	7.2	7.5	3.5				
80-R82DC3470DQ60J	R82DC3470DQ60J	B	0.47	5%	7.2	7.5	3.5				
80-R82DC4100DQ60J	R82DC4100DQ60J	B	1	5%	7.2	10.0	5.0				
100V											
80-R82EC1470DQ50J	R82EC1470DQ50J	B	0.0047	5%	7.2	6.5	2.5				
80-R82EC1470Z350J	R82EC1470Z350J	B	0.0047	5%	7.2	6.5	2.5				
80-R82EC1100DQ50J	R82EC1100DQ50J	B	0.001	5%	7.2	6.5	2.5				
80-R82EC2220DQ50J	R82EC2220DQ50J	B	0.022	5%	7.2	6.5	2.5				
80-R82EC2470DQ60J	R82EC2470DQ60J	B	0.047	5%	7.2	6.5	2.5				
80-R82EC2100AA50J	R82EC2100AA50J	B	0.01	5%	7.2	6.5	2.5				
80-R82EC2100DQ50J	R82EC2100DQ50J	B	0.01	5%	7.2	6.5	2.5				
80-R82EC3100DQ70J	R82EC3100DQ70J	B	0.1	5%	7.2	6.5	2.5				
80-R82EC3220DQ70J	R82EC3220DQ70J	B	0.22	5%	7.2	7.5	3.5				
80-R82EC3470DQ70J	R82EC3470DQ70J	B	0.47	5%	7.2	9.5	4.5				
80-R82EC4100DQ70J	R82EC4100DQ70J	B	1	5%	7.2	11.0	6.0				
80-R82EC4100Z370J	R82EC4100Z370J	B	1	5%	7.2	11.0	6.0				
250V											
80-R82IC3100DQ60J	R82IC3100DQ60J	B	0.1	5%	7.2	9.5	4.5				



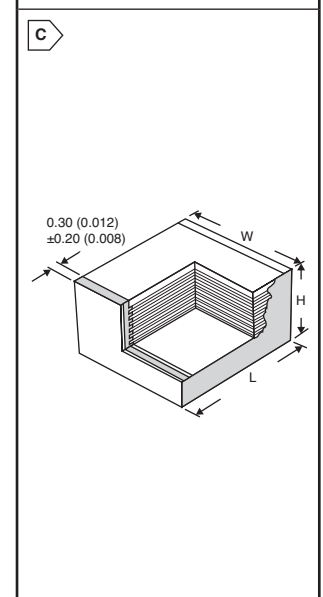
SMD LDE SERIES PEN FILM CAPACITORS

General Technical Data:

- Non-inductive - Stacked technology
- Operating temperature range: -55°C to +105°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Fig	Value (µF)	Dimensions: mm			Price Each			
				L	W	H	1	50	100	500
50V										
80-LDECB3100KA0N00	LDECB3100KA0N00	C	0.1	3.2	2.5	2.1				
80-LDECD3470KA5N00	LDECD3470KA5N00	C	0.47	5.7	5.1	2.4				
80-LDECD4100KA0N00	LDECD4100KA0N00	C	1	5.7	5.1	4.4				
63V										
80-LDEDC3100KA5N00	LDEDC3100KA5N00	C	0.1	4.5	3.2	2.4				
100V										
80-LDEEC3100KA5N00	LDEEC3100KA5N00	C	0.1	4.5	3.2	2.4				
250V										
80-LDEID3100KA0N00	LDEID3100KA0N00	C	0.1	5.7	5.1	4.1				
630V										
80-LDEPD2100KA5N00	LDEPD2100KA5N00	C	0.1	5.7	5.1	3.0				



MALLORY Metallized Polyester Film Capacitors



QUENCHARC® ARC SUPPRESSOR / SNUBBER NETWORKS

RoHS Compliant This product is RoHS compliant.



Features:

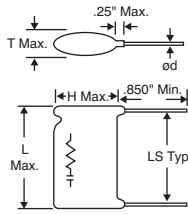
- Metallized Polyester Capacitor in series with a carbon composition resistor.
- Flame Retardant epoxy coated case

Specifications:

- Operating Temperature: -55°C to +85°C
- Capacitance Tolerance: ±20%
- Resistance Tolerance: ±10%

Applications:

- Noise and Arc Suppression
- RC Snubber Network
- Relay Contact Protection
- EMI/RFI Reduction
- Noise reduction on Controllers/Drivers



DIMENSIONS: in.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Value (µf)	Resistor		Dimensions: mm				Price Each			
			Watts	(Ω)	W	T	H	LS	1	25	50	100
200 VDC (125VAC)												
539-504M02QA100	504M02QA100	.50	0.5	100	27.4	9.4	16.3	20.8				
539-504M02QA220	504M02QA220	.50	0.5	220	27.4	9.4	16.3	20.8				
539-105M02QB47	105M02QB47	1	0.5	47	36.8	9.9	16.8	30.5				
600 VDC (250VAC)												
539-104M06QC22	104M06QC22	.10	0.5	22	27.4	9.9	16.8	20.8				
539-104M06QC47	104M06QC47	.10	0.5	47	27.4	9.9	16.8	20.8				
539-104M06QC100	104M06QC100	.10	0.5	100	27.4	9.9	16.8	20.8				
539-104M06QC150	104M06QC150	.10	0.5	150	27.4	9.9	16.8	20.8				
539-104MACQRL150	104MACQRL150	.10	0.5	150	27.4	11.2	16.8	20.8				



SUPPRESSOR METALLIZED POLYESTER FILM 158X SERIES - TYPE X2

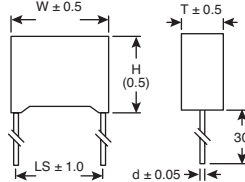


Features:

- UL and CSA Approved
- Flame retardant case meets UL94V-0
- Polyurethane end fill meets UL94V-0
- Used in applications where damage to the capacitor will not lead to the danger of electrical shock

Specifications:

- Operating temperature: -40°C to +100°C
- Voltage range: 250Vrms
- Tolerance: ±20%
- Lead material: tinned copper clad steel



MOUSER STOCK NO.	Mallory Part No.	Value (µf)	Dimensions: mm					Price Each			
			W	T	H	LS	d	1	50	100	500
539-158X103	158X103	.010	17.0	5.0	12.0	15.0	0.6				
539-158X223	158X223	.022	17.0	5.0	12.0	15.0	0.6				
539-158X333	158X333	.033	17.0	5.0	12.0	15.0	0.6				
539-158X473	158X473	.047	17.0	5.5	12.5	15.0	0.8				
539-158X104	158X104	.100	17.0	8.0	15.0	15.0	0.8				
539-158X224	158X224	.220	25.0	8.0	17.5	22.5	0.8				
539-158X334	158X334	.330	25.0	10.0	19.5	22.5	0.8				
539-158X474	158X474	.470	30.0	11.0	22.0	27.5	0.8				
539-158X684	158X684	.680	30.0	13.5	24.5	27.5	0.8				
539-158X105	158X105	1.0	30.5	15.0	24.5	27.5	1.0				
539-158X225	158X225	2.2	41.0	17.5	32.8	37.5	1.0				



METALLIZED POLYESTER FILM, RADIAL

Excellent choice for general purpose applications such as blocking, bypass, decoupling, smoothing and some timing, energy storage/discharge and arc suppression.

Features:

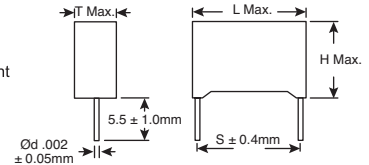
- Non-Polar
- Low leakage
- Non inductively wound
- Epoxy Encapsulant meets UL94V-0
- Flame retardant case meets UL94V-0

Specifications:

- Voltage range: 160 series - 63V to 650V
168 series - 50 to 400V
- Capacitance range: 160 series - .0033µF to 3.3µF
168 series - .001µF to 1µF
- Operating temperature: -55°C to +125°C
- Tolerance: 5%, 10%



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Vdc/Vac	Value (µF)	Tol. ±	Dimensions: mm					Price Each			
					L	I	H	S	ød	1	50	100	500
160 Series													
539-160-474K63D-F	160474K63D-F	63/40	0.47	10%	13	5	11	10	0.8				
539-160105J63E-F	160105J63E-F	63/40	1.0	5%	13	6	12	10	0.8				
539-160104K100C-F	160104K100C-F	100/63	0.1	10%	13	4	9.5	10	0.8				
539-160224K100D-F	160224K100D-F	100/63	0.22	10%	13	5	11	10	0.8				
539-160224J100D-F	160224J100D-F	100/63	0.22	5%	13	5	11	10	0.8				
539-160334J100E-F	160334J100E-F	100/63	0.33	5%	13	6	12	10	0.8				
539-160474K100F-F	160474K100F-F	100/63	0.47	10%	13	6	12	10	0.8				
539-160105K100H-F	160105K100H-F	100/63	1.0	10%	18	7.5	13.5	15	0.8				
539-160335K100O-F	160335K100O-F	100/63	3.3	10%	26.5	10	19	22.5	0.8				
539-160333K250C-F	160333K250C-F	250/160	0.033	10%	13	4	9.35	10	0.8				
539-160473K250C-F	160473K250C-F	250/160	0.047	10%	13	4	9.35	10	0.8				
539-160104J250D-F	160104J250D-F	250/160	0.1	5%	13	5	11	10	0.8				
539-160104K250D-F	160104K250D-F	250/160	0.1	10%	13	5	11	10	0.8				
539-160224J250F-F	160224J250F-F	250/160	0.22	5%	18	5	11	15	0.8				
539-160334J250G-F	160334J250G-F	250/160	0.33	5%	18	6	12	15	0.8				
539-160105K250N-F	160105K250N-F	250/160	1.0	10%	26.5	8.5	17	22.5	0.8				
539-160335J250Q-F	160335J250Q-F	250/160	3.3	5%	32	13	22.5	27.5	0.8				
539-160104J400G-F	160104J400G-F	400/200	0.1	5%	18	6	12	15	0.8				
539-160103K630C-F	160103K630C-F	630/220	0.01	10%	13	4	9.5	10	0.8				
539-160103J630C-F	160103J630C-F	630/220	0.01	5%	13	4	9.5	10	0.8				
539-160104J630L-F	160104J630L-F	630/220	0.1	5%	26.5	6	15	22.5	0.8				
539-160222J1000C-F	160222J1000C-F	1000/250	0.0022	5%	13	4	9.5	10	0.8				
539-160104J1000N-F	160104J1000N-F	1000/250	0.1	5%	26.5	8.5	17	22.5	0.8				
168 Series													
539-168224J50C-F	168224J50C-F	50/30	0.22	5%	7.2	3.5	7.5	5	0.6				
539-168105J50G-F	168105J50G-F	50/30	1	5%	7.2	6	11	5	0.6				
539-168104J63A-F	168104J63A-F	63/40	0.1	5%	7.2	2.5	6.5	5	0.6				
539-168224J63C-F	168224J63C-F	63/40	0.22	5%	7.2	3.5	7.5	5	0.6				
539-168334K63H-F	168334K63H-F	63/40	0.33	10%	7.2	4.5	8.5	5	0.6				
539-168474J63H-F	168474J63H-F	63/40	0.47	5%	7.2	4.5	8.5	5	0.6				
539-168332J100A-F	168332J100A-F	100/63	0.0033	5%	7.2	2.5	6.5	5	0.6				
539-168472J100A-F	168472J100A-F	100/63	0.0047	5%	7.2	2.5	6.5	5	0.6				
539-168103J100A-F	168103J100A-F	100/63	0.01	5%	7.2	2.5	6.5	5	0.6				
539-168223J100A-F	168223J100A-F	100/63	0.022	5%	7.2	2.5	6.5	5	0.6				
539-168333J100C-F	168333J100C-F	100/63	0.033	5%	7.2	3.5	7.5	5	0.6				
539-168473J100C-F	168473J100C-F	100/63	0.047	5%	7.2	3.5	7.5	5	0.6				
539-168104J100H-F	168104J100H-F	100/63	0.1	5%	7.2	4.5	8.5	5	0.6				

METALLIZED POLYESTER FILM CAPACITOR

Features:

- Operating temperature range: -55°C to +125°C

MOUSER STOCK NO.	KEMET Part No.	Fig.	Voltage (VAC)	Value (μF)	Tol. %	Dimensions: mm			Price Each		
						B	H	L	1	50	100
80-F5ABC3220JCB5M	F5ABC3220JCB5M	A	18	0.022	20	4.5	9.5	7.2			
80-F5ABC4150Z3B6M	F5ABC4150Z3B6M	A	18	0.15	20	5.0	10.0	7.2			
80-F5BHC4100Z9A7K	F5BHC4100Z9A7K	A	25	0.1	10	6.0	11.0	7.2			
80-F5DDC4100ZAA6K	F5DDC4100ZAA6K	A	63	0.1	10	4.6	9.6	7.4			
80-F5DDC4100ZAC6K	F5DDC4100ZAC6K	A	63	0.1	10	4.6	9.6	7.4			



For quantities greater than listed, call for quote.

EMI SUPPRESSOR METALLIZED POLYPROPYLENE CAPACITORS

Features:

- New improved design: Small dimensions including low profile capacitors
- Temperature range: PHE840: -55°C to +105°C; PHE850: -55°C to +110°C
- Construction metallized polypropylene winding, encapsulated in self-extinguishing material meeting the requirements of UL94V-0

*Included in the kit

Applications:

- For worldwide use as electromagnetic interference suppressor in all X2 and across-the-line applications

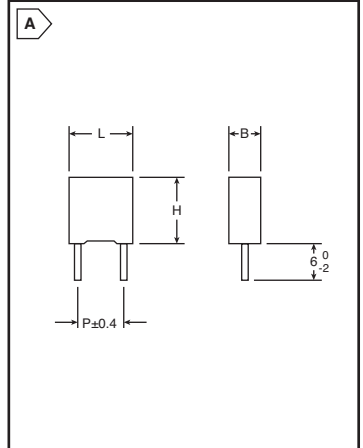
Approvals: ENEC, UL, cUL

EMI (X & Y) ENGINEERING KIT

* Included in the kit (13x2 and 8 Y2)

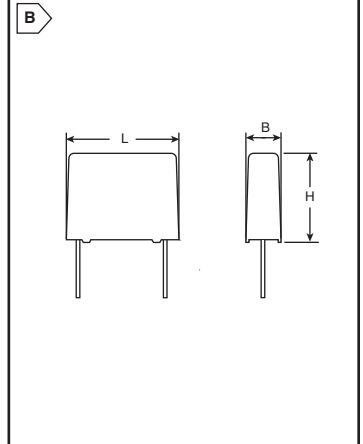
MOUSER STOCK NO.	Price Each	
	1	2
80-FLPENGKIT51		

For quantities greater than listed, call for quote.



KEMET Film Capacitors

MOUSER STOCK NO.	KEMET Part No.	Fig.	Class	Voltage (VAC)	Value (μF)	Dimensions: mm			Tol. %	Price Each		
						B	H	L		1	50	100
* 80-PHE840MA5100MA01	PHE840MA5100MA01R17	B	X2	275/280	0.01	13.0	4.0	9.0	20			
* 80-PHE840MA5220MA01	PHE840MA5220MA01R17	B	X2	275/280	0.022	13.0	4.0	9.0	20			
* 80-PHE840MA5330MA01	PHE840MA5330MA01R17	B	X2	275/280	0.033	13.0	4.0	9.0	20			
* 80-PHE840MA5470MA02	PHE840MA5470MA02R17	B	X2	275/280	0.047	13.0	4.5	10.5	20			
* 80-PHE840MB6100MB05R	PHE840MB6100MB05R17	B	X2	275/280	0.1	18.0	5.5	12.5	20			
* 80-PHE840MB6150MB10T	PHE840MB6150MB10R17	B	X2	275/280	0.15	18.0	6.5	12.5	20			
* 80-PHE840MB6220MB12R	PHE840MB6220MB12R17	B	X2	275/280	0.22	18.0	8.0	15.0	20			
* 80-PHE840MB6470MB16R	PHE840MB6470MB16R17	B	X2	275/280	0.47	18.0	11.0	19.0	20			
* 80-PHE840MD6680MD18R	PHE840MD6680MD18R06	B	X2	275/280	0.68	26.0	10.5	19.0	20			
* 80-PHE840MK5100MK01R	PHE840MK5100MK01R17	B	X2	275/280	0.01	10.0	4.0	8.0	20			
* 80-PHE840MK5220MK03R	PHE840MK5220MK03R17	B	X2	275/280	0.022	10.0	5.0	11.0	20			
* 80-PHE840MK5330MK03R	PHE840MK5330MK03R17	B	X2	275/280	0.033	10.0	5.0	11.0	20			
* 80-PHE840MR7220MR05R	PHE840MR7220MR05R06	B	X2	275/280	2.2	41.0	13.0	24.0	20			
* 80-PHE840MX6220MB06R	PHE840MX6220MB06R035J	B	X2	275/280	0.22	18.0	7.5	14.5	20			
* 80-PHE840MX6220MB06R	PHE840MX6220MB06R17	B	X2	275/280	0.22	18.0	7.5	14.5	20			
* 80-PHE840MY6470MD14R	PHE840MY6470MD14R06	B	X2	275/280	0.47	26.0	8.0	16.0	20			
* 80-PHE840MY6680MD15R	PHE840MY6680MD15R06	B	X2	275/280	0.68	26.0	9.0	18.5	20			
* 80-PHE840MY7100MD16R	PHE840MY7100MD16R06	B	X2	275/280	1	26.0	11.0	21.5	20			
* 80-PHE840MZ7100MF11R	PHE840MZ7100MF11R06	B	X2	275/280	1	31.5	10.5	20.5	20			
* 80-PHE840MZ7220MF14R	PHE840MZ7220MF14R06	B	X2	275/280	2.2	31.5	17.5	28.0	20			
* 80-PHE850EA4100MA06R	PHE850EA4100MA06R17	B	Y2	300	0.001	13.0	4.0	8.0	20			
* 80-PHE850EA4220MA01R	PHE850EA4220MA01R17	B	Y2	300	0.0022	13.0	4.0	9.0	20			
* 80-PHE850EA4330MA02R	PHE850EA4330MA02R17	B	Y2	300	0.0033	13.0	4.5	10.5	20			
* 80-PHE850EA4470MA03R	PHE850EA4470MA03R17	B	Y2	300	0.0047	13.0	5.0	11.0	20			
* 80-PHE850EB5100MB04R	PHE850EB5100MB04R17	B	Y2	300	0.01	18.0	5.5	10.5	20			
* 80-PHE850EB5470MB14R	PHE850EB5470MB14R17	B	Y2	300	0.047	18.0	9.5	17.5	20			
* 80-PHE850ED6100MD18R	PHE850ED6100MD18R06L2	B	Y2	300	0.1	26.0	10.5	19.0	20			
* 80-PHE850ED6220MD20R	PHE850ED6220MD20R06L2	B	Y2	300	0.22	26.0	13.5	23.0	20			

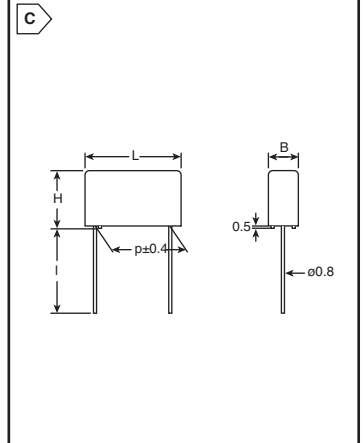


METALLIZED POLYESTER RADIAL CAPACITORS

Features:

- Bypassing signal coupling
- General purpose for highest reliability
- Construction: Radial leads of tinned wire are electrically welded to the contact metal layer on the ends of the capacitor winding
- Temperature range: -55°C to +100°C

MOUSER STOCK NO.	KEMET Part No.	Fig.	Voltage (VAC)	Value (μF)	Dimensions: mm			Tol. %	Price Each		
					B	H	L		1	50	100
80-MMK5103K63J01L4	MMK5103K63J01L4	B	63	0.01	2.5	6.5	7.2	10			
80-MMK5223K63J01L4	MMK5223K63J01L4	B	63	0.022	2.5	6.5	7.2	10			
80-MMK5473K63J01L4	MMK5473K63J01L4	B	63	0.047	2.5	6.5	7.2	10			
80-MMK5102K63J01L4	MMK5102K63J01L4	B	63	.001	2.5	6.5	7.2	10			
80-MMK5104K63J01L4	MMK5104K63J01L4	B	63	0.1	2.5	6.5	7.2	10			
80-MMK5222K63J01L4	MMK5222K63J01L4	B	63	.0022	2.5	6.5	7.2	10			
80-MMK5224K63J01L4	MMK5224K63J01L4	B	63	0.22	2.5	6.5	7.2	10			
80-MMK5472K63J01L4	MMK5472K63J01L4	B	63	.0047	2.5	6.5	7.2	10			
80-MMK5474K63J02L4	MMK5474K63J02L4	B	63	0.47	3.5	8.0	7.2	10			
80-MMK5105K63J04L4	MMK5105K63J04L4	B	63	1	5.0	10.0	7.2	10			

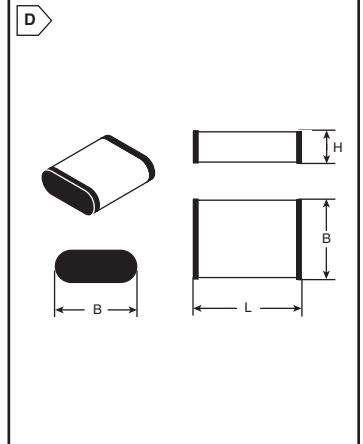


GENERAL PURPOSE AC/DC METALLIZED PAPER CAPACITORS

Features:

- Self-extinguishing UL94V-0 encapsulation material
- Excellent self-healing properties
- Ensures long life even when subjected to frequent overvoltages
- Good resistance to ionization due to impregnated dielectric
- High dU/dt capability
- The capacitors meet the most stringent IEC humidity class, 56 days
- The impregnated paper ensures excellent stability giving outstanding reliability properties, especially in applications having continuous operation

MOUSER STOCK NO.	KEMET Part No.	Fig.	Class	Voltage (VAC)	Value (μF)	B	H	L	Tol. %	1	50	100
80-PME271Y510MR30	PME271Y510MR30	C	Y2	250	0.01	5.2	10.5	18.5	20			
80-PME271Y510MR19T0	PME271Y510MR19T0	C	Y2	250	0.01	5.2	10.5	18.5	20			
80-PME271Y510MR06	PME271Y510MR06	C	Y2	250	0.01	21.0	38.0	41.0	20			
80-PME271Y515MR30	PME271Y515MR30	C	Y2	250	0.015	5.5	11.0	18.5	20			
80-PME271Y515MR19T0	PME271Y515MR19T0	C	Y2	250	0.015	5.5	11.0	18.5	20			
80-PME271Y533MR30	PME271Y533MR30	C	Y2	250	0.033	7.6	14.0	24.0	20			
80-PME271Y547MR30	PME271Y547MR30	C	Y2	250	0.047	9.0	15.0	24.0	20			
80-PME271Y410MR30	PME271Y410MR30	C	Y2	250	.001	3.9	7.5	13.5	20			
80-PME271Y422MR30	PME271Y422MR30	C	Y2	250	.002	3.9	7.5	13.5	20			
80-PME271Y447MR30	PME271Y447MR30	C	Y2	250	.0047	5.1	10.5	13.5	20			
80-PME271M610MR19T0	PME271M610MR19T0	C	X2	275	0.1	7.6	14.0	24.0	20			
80-PME271M422MR30	PME271M422MR30	C	X2	275	0.0022	3.9	7.5	13.5	20			
80-PME271YA4220MR30	PME271YA4220MR30	C	Y2	300	.0022	3.9	7.5	13.5	20			
80-PME271YA4470MR30	PME271YA4470MR30	C	Y2	300	.0047	5.1	10.5	13.5	20			
80-PME295RB3470MR19T0	PME295RB3470MR19T0	C	Y1	440	0.00047	5.5	12.5	18.0	20			
80-PME264NE6100MR30	PME264NE6100MR30	C	Y2	660	0.1	15.3	22.0	30.5	20			



METALLIZED POLYPHENYLENE SULFIDE CAPACITORS

Applications (SMR):

- Automotive and other applications with high ambient temperatures
- Applications requiring high stability and low losses.
- Offers excellent sound quality in audio applications

MOUSER STOCK NO.	KEMET Part No.	Fig.	Voltage (VAC)	Value (μF)	B	H	L	Tol. %	1	50	100
80-SMR10224J100A01L4	SMR10224J100A01L4	B	100	0.22	4.0	9.0	13.0	5			
80-SMW7.3473K250K95T	SMW7.3473K250K95TR12	D	250	0.047	6.0	3.2	--	10			



This product is RoHS compliant.

ECQEB AND ECQEF SERIES

Features:

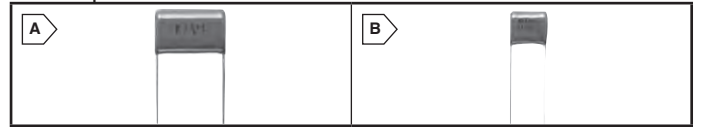
- Small size
- Excellent electrical characteristics
- Flame retardant epoxy resin coating
- Tolerance: 10%
- Small size (ECQEB series)
- Self-healing property (ECQEF series)

Applications:

- 250VDC: High frequency and current circuits
- 450VDC: Active filter circuits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Value (uF)	Rated Volt	Price Each			
				1	25	100	250
ECQEB							
667-ECQ-E2153JB	A	0.015	250				
667-ECQ-E2103JB	A	0.010	250				
667-ECQ-E2123JB	A	0.012	250				
667-ECQ-E2183JB	A	0.018	250				
667-ECQ-E2223JB	A	0.022	250				
667-ECQ-E2273JB	A	0.027	250				
667-ECQ-E2333JB	A	0.033	250				
667-ECQ-E2393JB	A	0.039	250				
667-ECQ-E2473JB	A	0.047	250				
667-ECQ-E2563JB	A	0.056	250				
667-ECQ-E2683JB	A	0.068	250				
667-ECQ-E2823JB	A	0.082	250				
667-ECQ-E2104JB	A	0.10	250				
667-ECQ-E2124JB	A	0.12	250				
667-ECQ-E2154JB	A	0.15	250				
667-ECQ-E2184JB	A	0.18	250				
667-ECQ-E2224JB	A	0.22	250				
667-ECQ-E2274JB	A	0.27	250				
667-ECQ-E2334JB	A	0.33	250				
667-ECQ-E2394JB	A	0.39	250				
667-ECQ-E2474JB	A	0.47	250				
667-ECQ-E2564JB	A	0.56	250				
667-ECQ-E2684JB	A	0.68	250				
667-ECQ-E2824JB	A	0.82	250				
667-ECQ-E2105JB	A	1.0	250				
667-ECQ-E2125JB	A	1.2	250				
667-ECQ-E2155JB	A	1.5	250				
667-ECQ-E2185JB	A	1.8	250				
667-ECQ-E2225JB	A	2.2	250				
667-ECQ-E2275JB	A	2.7	250				
667-ECQ-E2335JB	A	3.3	250				
667-ECQ-E2395JB	A	3.9	250				
667-ECQ-E2475JB	A	4.7	250				
ECQEF							
667-ECQ-E2153JB	B	0.0015	250				
667-ECQ-E2153JF	B	0.0015	250				
667-ECQ-E4153JF	B	0.0015	400				
667-ECQ-E6152JF	B	0.0015	630				
667-ECQ-E6153JF	B	0.0015	630				
667-ECQ-E6392JF	B	0.0039	630				
667-ECQ-E2103JB	B	0.010	250				
667-ECQ-E2103JF	B	0.010	250				
667-ECQ-E4103JF	B	0.010	400				
667-ECQ-E6103JF	B	0.010	630				
667-ECQ-E2123JB	B	0.012	250				
667-ECQ-E2123JF	B	0.012	250				
667-ECQ-E4123JF	B	0.012	400				
667-ECQ-E6123JF	B	0.012	630				
667-ECQ-E2183JB	B	0.018	250				
667-ECQ-E2183JF	B	0.018	250				
667-ECQ-E4183JF	B	0.018	400				
667-ECQ-E6183JF	B	0.018	630				
667-ECQ-E2223JB	B	0.022	250				
667-ECQ-E2223JF	B	0.022	250				
667-ECQ-E4223JF	B	0.022	400				
667-ECQ-E6223JF	B	0.022	630				
667-ECQ-E2273JB	B	0.027	250				
667-ECQ-E2273JF	B	0.027	250				
667-ECQ-E4273JF	B	0.027	400				
667-ECQ-E6273JF	B	0.027	630				
667-ECQ-E2333JB	B	0.033	250				
667-ECQ-E2333JF	B	0.033	250				
667-ECQ-E4333JF	B	0.033	400				
667-ECQ-E6333JF	B	0.033	630				
667-ECQ-E2393JB	B	0.039	250				
667-ECQ-E2393JF	B	0.039	250				
667-ECQ-E4393JF	B	0.039	400				
667-ECQ-E6393JF	B	0.039	630				
667-ECQ-E1473JF	B	0.047	100				
667-ECQ-E2473JB	B	0.047	250				
667-ECQ-E2473JF	B	0.047	250				
667-ECQ-E4473JF	B	0.047	400				
667-ECQ-E6473JF	B	0.047	630				
667-ECQ-E2563JB	B	0.056	250				
667-ECQ-E2563JF	B	0.056	250				
667-ECQ-E4563JF	B	0.056	400				
667-ECQ-E6563JF	B	0.056	630				
667-ECQ-E2683JB	B	0.068	250				
667-ECQ-E2683JF	B	0.068	250				
667-ECQ-E4683JF	B	0.068	400				
667-ECQ-E6683JF	B	0.068	630				
667-ECQ-E1823JF	B	0.082	100				
667-ECQ-E2823JB	B	0.082	250				
667-ECQ-E2823JF	B	0.082	250				
667-ECQ-E4823JF	B	0.082	400				
667-ECQ-E6823JF	B	0.082	630				
667-ECQ-E2104JB	B	0.10	250				
667-ECQ-E2104JF	B	0.10	250				
667-ECQ-E4104JF	B	0.10	400				
667-ECQ-E6104JF	B	0.10	630				
667-ECQ-E1124JF	B	0.12	100				
667-ECQ-E2124JB	B	0.12	250				



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Value (uF)	Rated Volt	Price Each			
				1	25	100	250
ECQEF Cont.							
667-ECQ-E2124JF	B	0.12	250				
667-ECQ-E4124JF	B	0.12	400				
667-ECQ-E6124JF	B	0.12	630				
667-ECQ-E2154JB	B	0.15	250				
667-ECQ-E2154JF	B	0.15	250				
667-ECQ-E4154JF	B	0.15	400				
667-ECQ-E6154JF	B	0.15	630				
667-ECQ-E2184JB	B	0.18	250				
667-ECQ-E2184JF	B	0.18	250				
667-ECQ-E4184JF	B	0.18	400				
667-ECQ-E6184JF	B	0.18	630				
667-ECQ-E2224JB	B	0.22	250				
667-ECQ-E2224JF	B	0.22	250				
667-ECQ-E4224JF	B	0.22	400				
667-ECQ-E6224JF	B	0.22	630				
667-ECQ-E2274JB	B	0.27	250				
667-ECQ-E2274JF	B	0.27	250				
667-ECQ-E4274JF	B	0.27	400				
667-ECQ-E6274JF	B	0.27	630				
667-ECQ-E2334JB	B	0.33	250				
667-ECQ-E2334JF	B	0.33	250				
667-ECQ-E4334JF	B	0.33	400				
667-ECQ-E6334JF	B	0.33	630				
667-ECQ-E2394JB	B	0.39	250				
667-ECQ-E2394JF	B	0.39	250				
667-ECQ-E4394JF	B	0.39	400				
667-ECQ-E6394JF	B	0.39	630				
667-ECQ-E2474JB	B	0.47	250				
667-ECQ-E2474JF	B	0.47	250				
667-ECQ-E4474JF	B	0.47	400				
667-ECQ-E6474JF	B	0.47	630				
667-ECQ-E1564JF	B	0.56	100				
667-ECQ-E2564JB	B	0.56	250				
667-ECQ-E2564JF	B	0.56	250				
667-ECQ-E4564JF	B	0.56	400				
667-ECQ-E6564JF	B	0.56	630				
667-ECQ-E1684JF	B	0.68	100				
667-ECQ-E2684JB	B	0.68	250				
667-ECQ-E2684JF	B	0.68	250				
667-ECQ-E4684JF	B	0.68	400				
667-ECQ-E6684JF	B	0.68	630				
667-ECQ-E1824JF	B	0.82	100				
667-ECQ-E2824JB	B	0.82	250				
667-ECQ-E2824JF	B	0.82	250				
667-ECQ-E4824JF	B	0.82	400				
667-ECQ-E6824JF	B	0.82	630				
667-ECQ-E1105JF	B	1.0	100				
667-ECQ-E2105JB	B	1.0	250				
667-ECQ-E2105JF	B	1.0	250				
667-ECQ-E4105JF	B	1.0	400				
667-ECQ-E6105JF	B	1.0	630				
667-ECQ-E1125JF	B	1.2	100				
667-ECQ-E2125JB	B	1.2	250				
667-ECQ-E2125JF	B	1.2	250				
667-ECQ-E4125JF	B	1.2	400				
667-ECQ-E6125JF	B	1.2	630				
667-ECQ-E1155JF	B	1.5	100				
667-ECQ-E2155JB	B	1.5	250				
667-ECQ-E2155JF	B	1.5	250				
667-ECQ-E4155JF	B	1.5	400				
667-ECQ-E6155JF	B	1.5	630				
667-ECQ-E1185JF	B	1.8	100				
667-ECQ-E2185JB	B	1.8	250				
667-ECQ-E2185JF	B	1.8	250				
667-ECQ-E4185JF	B	1.8	400				
667-ECQ-E6185JF	B	1.8	630				
667-ECQ-E1225JF	B	2.2	100				
667-ECQ-E2225JB	B	2.2	250				
667-ECQ-E2225JF	B	2.2	250				
667-ECQ-E4225JF	B	2.2	400				
667-ECQ-E6225JF	B	2.2	630				
667-ECQ-E1275JF	B	2.7	100				
667-ECQ-E2275JB	B	2.7	250				
667-ECQ-E2275JF	B	2.7	250				
667-ECQ-E1335JF	B	3.3	100				
667-ECQ-E2335JB	B	3.3	250				
667-ECQ-E2335JF	B	3.3	250				
667-ECQ-E1395JF	B	3.9	100				
667-ECQ-E2395JB	B	3.9	250				
667-ECQ-E2395JF	B	3.9	250				
667-ECQ-E1475JF	B	4.7	100				
667-ECQ-E2475JB	B	4.7	250				
667-ECQ-E2475JF	B	4.7	250				
667-ECQ-E1565JF	B	5.6	100				
667-ECQ-E2565JF	B	5.6	250				
667-ECQ-E1685JF	B	6.8	100				
667-ECQ-E2685JF	B	6.8	250				
667-ECQ-E1825JF	B	8.2	100				
667-ECQ-E2825JF	B	8.2	250				
667-ECQ-E1106JF	B	10	100				
667-ECQ-E2106JF	B	10	250				

PANASONIC Film Capacitors



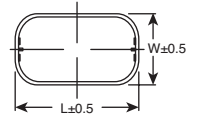
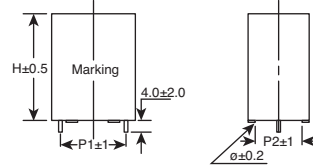
RoHS Compliant This product is RoHS compliant.

EZP-E SERIES METALLIZED POLYPROPYLENE DC LINK FILM CAPACITORS

DIMENSIONS: mm

Features:

- High safety, Self-healing and Self-protecting function built-in
- Long product life, High reliability
- Low loss, Low ESR
- Flame retardant (case and sealing resin)
- Tolerance: $\pm 10\%$
- Operating Temperature Range: -40°C to $+85^{\circ}\text{C}$



Recommended Applications:

- For DC filtering, DC link circuit
- Solar inverters
- Wind power generation
- Industrial power supplies
- Inverter circuit in appliances

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	Voltage (VDC)	Dimensions: mm			Pin Type	Price Each		
Mfr.	Mfr. Part No.			L	W	H		1	10	25
667	EZP-E80106LTA	10	800	41.5	20	42	2			
667	EZP-E80156MTA	15	800	41.5	20	42	4			
667	EZP-E80206MTA	20	800	41.5	30	51	4			
667	EZP-E80256MTA	25	800	41.5	30	51	4			
667	EZP-E80306MTA	30	800	41.5	30	51	4			
667	EZP-E80356MTA	35	800	57.5	30	51	4			
667	EZP-E80406MTA	40	800	57.5	30	51	4			
667	EZP-E80456MTA	45	800	57.5	30	51	4			
667	EZP-E80506MTA	50	800	57.5	35	56	4			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	Voltage (VDC)	Dimensions: mm			Pin Type	Price Each		
Mfr.	Mfr. Part No.			L	W	H		1	10	25
667	EZP-E80556MTA	55	800	57.5	35	56	4			
667	EZP-E80606MTA	60	800	57.5	35	56	4			
667	EZP-E1B106MTA	10	1100	41.5	20	42	4			
667	EZP-E1B156MTA	15	1100	41.5	30	51	4			
667	EZP-E1B206MTA	20	1100	41.5	30	51	4			
667	EZP-E1B256MTA	25	1100	57.5	30	51	4			
667	EZP-E1B306MTA	30	1100	57.5	30	51	4			
667	EZP-E1B356MTA	35	1100	57.5	35	56	4			
667	EZP-E1B406MTA	40	1100	57.5	35	56	4			

Film Capacitors

Panasonic

STACKED METALLIZED PPS FILM CHIP CAPACITORS

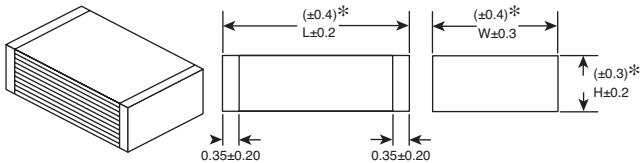
ECH-U(C) Series

Features:

- Small in size
- Low loss and excellent frequency characteristics
- For reflow soldering

Recommended Applications:

- Time-constant
- Filtering
- Oscillation and resonance
- Resonance circuit for LCD backlight inverter unit



DIMENSIONS: mm

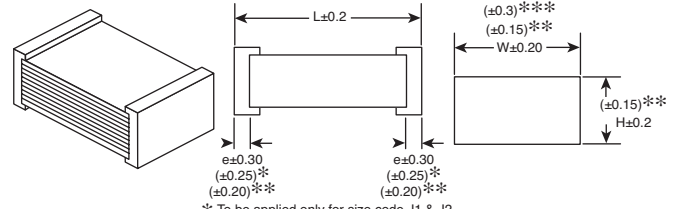
ECH-U(X) Series

Features:

- Small in size (minimum size 1.6mm x 0.8mm)
- 85°C, 85% RH, W.V. X 1.0 for 500 hours
- For reflow soldering

Recommended Applications:

- Time-constant
- Filtering
- Oscillation and resonance



DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	Voltage (VDC)	Dimensions: mm			Size Code	Price Each			
Mfr.	Mfr. Part No.			L	W	H		1	50	100	500
667	ECH-U1123GC9	0.012	100	4.8	3.3	1.4	E1				
667	ECH-U1153GC9	0.015	100	4.8	3.3	2	E2				
667	ECH-U1153JC9	0.015	100	4.8	3.3	2	E2				
667	ECH-U1183GC9	0.018	100	4.8	3.3	2	E2				
667	ECH-U1223GC9	0.022	100	4.8	3.3	2.4	E3a				
667	ECH-U1223JC9	0.022	100	4.8	3.3	2.4	E3a				
667	ECH-U1273GC9	0.027	100	4.8	3.3	2.8	E3				
667	ECH-U1273JC9	0.027	100	4.8	3.3	2.8	E3				
667	ECH-U1333GC9	0.033	100	6	4.1	1.8	D1				
667	ECH-U1333JC9	0.033	100	6	4.1	1.8	D1				
667	ECH-U1473GC9	0.047	100	6	4.1	2.4	D3				
667	ECH-U1473JC9	0.047	100	6	4.1	2.4	D3				
667	ECH-U1563GC9	0.056	100	6	4.1	2.8	D4				
667	ECH-U1683GC9	0.068	100	6	4.1	3.2	D5				
667	ECH-U1683JC9	0.068	100	6	4.1	3.2	D5				
667	ECH-U1823GC9	0.082	100	7.1	5	2.8	Z				
667	ECH-U1823JC9	0.082	100	7.1	5	2.8	Z				
667	ECH-U1103GC9	0.01	100	4.8	3.3	1.4	E1				
667	ECH-U1103JC9	0.01	100	4.8	3.3	1.4	E1				
667	ECH-U1104GC9	0.1	100	7.1	5	3	Z				
667	ECH-U1104JC9	0.1	100	7.1	5	3	Z				
667	ECH-U1124GC9	0.12	100	7.1	5	3.4	Z				
667	ECH-U1124JC9	0.12	100	7.1	5	3.4	Z				
667	ECH-U1154JCV	0.15	100	7.1	6.3	3.4	Y				
667	ECH-U1154GCV	0.15	100	7.1	6.3	3.4	Y				
667	ECH-U1184GCV	0.18	100	7.1	6.3	4	Y				
667	ECH-U1184JCV	0.18	100	7.1	6.3	4	Y				
667	ECH-U1224GCV	0.22	100	7.1	6.3	4.8	Y				
667	ECH-U1224JCV	0.22	100	7.1	6.3	4.8	Y				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	Voltage (VDC)	Dimensions: mm			Size Code	Price Each			
Mfr.	Mfr. Part No.			L	W	H		1	50	100	500
667	ECH-U1C332GX5	0.003	16	2	1.25	0.9	J1				
667	ECH-U1C332JX5	0.003	16	2	1.25	0.9	J1				
667	ECH-U1C392GX5	0.004	16	2	1.25	0.9	J1				
667	ECH-U1C392JX5	0.004	16	2	1.25	0.9	J1				
667	ECH-U1C472JX5	0.005	16	2	1.25	0.9	J1				
667	ECH-U1C682GX5	0.007	16	2	1.25	0.9	J1				
667	ECH-U1C682JX5	0.007	16	2	1.25	0.9	J1				
667	ECH-U1C822GX5	0.008	16	2	1.25	1.1	J2				
667	ECH-U1C123GX5	0.012	16	3.2	1.6	0.9	H1				
667	ECH-U1C183GX5	0.018	16	3.2	1.6	0.9	H1				
667	ECH-U1C183JX5	0.018	16	3.2	1.6	0.9	H1				
667	ECH-U1C273JX5	0.027	16	3.2	1.6	1.1	H2				
667	ECH-U1C333GX5	0.033	16	3.2	1.6	1.1	H2				
667	ECH-U1C393GX5	0.039	16	3.2	1.6	1.5	H3				
667	ECH-U1C393JX5	0.039	16	3.2	1.6	1.5	H3				
667	ECH-U1C103JX5	0.01	16	2	1.25	1.1	J2				
667	ECH-U1H392GX5	0.004	50	3.2	1.6	0.9	H1				
667	ECH-U1H123JX5	0.012	50	3.2	2.5	1.1	G1				
667	ECH-U1H183GX5	0.018	50	3.2	2.5	1.5	G2				
667	ECH-U1H183JX5	0.018	50	3.2	2.5	1.5	G2				
667	ECH-U1H223GX5	0.022	50	3.2	2.5	1.5	G2				
667	ECH-U1H273GX5	0.027	50	3.2	2.5	1.5	G2				
667	ECH-U1H333JX5	0.033	50	3.2	2.5	2.1	G3				
667	ECH-U1H473GX9	0.047	50	4.8	3.3	1.5	E1				
667	ECH-U1H473JX9	0.047	50	4.8	3.3	1.5	E1				
667	ECH-U1H563GX9	0.056	50	4.8	3.3	1.5	E1				
667	ECH-U1H683GX9	0.068	50	4.8	3.3	1.5	E1				
667	ECH-U1H823GX9	0.082	50	4.8	3.3	2.1	E2				
667	ECH-U1H103JX5	0.01	50	3.2	1.6	1.1	H2				
667	ECH-U1H104GX9	0.1	50	4.8	3.3	2.1	E2				
667	ECH-U1H154GX9	0.15	50	6	4.1	1.9	D1				
667	ECH-U1H184GX9	0.18	50	6	4.1	2.5	D3				
667	ECH-U1H184JX9	0.18	50	6	4.1	2.5	D3				

PANASONIC Film Capacitors

Panasonic

STACKED METALLIZED PPS FILM CHIP CAPACITORS (CONT.)

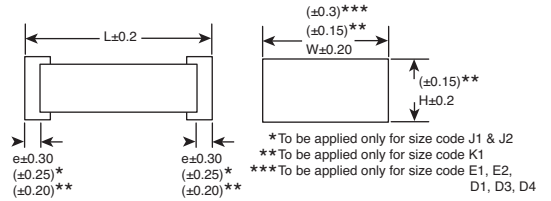
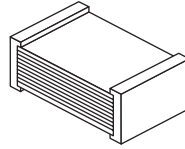
ECH-U(X) Series

Features:

- Small in size (minimum size 1.6mm x 0.8mm)
- 85°C, 85% RH, W.V. X 1.0 for 500 hours
- For reflow soldering
- RoHS directive compliant

Recommended Applications:

- Time-constant
- Filtering
- Oscillation and resonance



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Voltage (VDC)	Dimensions: mm			Size Code	Price Each			
Mfr.	Mfr. Part No.			L	W	H		1	50	100	500
667	ECH-U1C822JX5	0.0082	16	2.00	1.25	1.10	J2				
667	ECH-U1H101GX5	0.0001	50	2.00	1.25	0.90	J1				
667	ECH-U1H121GX5	0.00012	50	2.00	1.25	0.90	J1				
667	ECH-U1H121JX5	0.00012	50	2.00	1.25	0.90	J1				
667	ECH-U1H122GX5	0.0012	50	2.00	1.25	0.90	J1				
667	ECH-U1H122JX5	0.0012	50	2.00	1.25	0.90	J1				
667	ECH-U1H124JX9	0.12	50	6.00	4.10	1.90	D1				
667	ECH-U1H154JX9	0.15	50	6.00	4.10	1.90	D1				
667	ECH-U1H181GX5	0.00018	50	2.00	1.25	0.90	J1				
667	ECH-U1H181JX5	0.00018	50	2.00	1.25	0.90	J1				
667	ECH-U1H182JX5	0.0018	50	2.00	1.25	0.90	J1				
667	ECH-U1H221GX5	0.00022	50	2.00	1.25	0.90	J1				
667	ECH-U1H221JX5	0.00022	50	2.00	1.25	0.90	J1				
667	ECH-U1H222GX5	0.0022	50	2.00	1.25	0.90	J1				
667	ECH-U1H271GX5	0.00027	50	2.00	1.25	0.90	J1				
667	ECH-U1H271JX5	0.00027	50	2.00	1.25	0.90	J1				
667	ECH-U1H272GX5	0.0027	50	2.00	1.25	0.90	J1				
667	ECH-U1H331GX5	0.00033	50	2.00	1.25	0.90	J1				
667	ECH-U1H331JX5	0.00033	50	2.00	1.25	0.90	J1				
667	ECH-U1H332GX5	0.0033	50	3.20	1.60	0.90	H1				
667	ECH-U1H391GX5	0.00039	50	2.00	1.25	0.90	J1				
667	ECH-U1H392JX5	0.0039	50	3.20	1.60	0.90	H1				
667	ECH-U1H471GX5	0.00047	50	2.00	1.25	0.90	J1				
667	ECH-U1H471JX5	0.00047	50	2.00	1.25	0.90	J1				
667	ECH-U1H472GX5	0.0047	50	3.20	1.60	0.90	H1				
667	ECH-U1H472JX5	0.0047	50	3.20	1.60	0.90	H1				
667	ECH-U1H563JX9	0.056	50	4.80	3.30	1.50	E1				
667	ECH-U1H681GX5	0.00068	50	2.00	1.25	0.90	J1				
667	ECH-U1H681JX5	0.00068	50	2.00	1.25	0.90	J1				
667	ECH-U1H682GX5	0.0068	50	3.20	1.60	0.90	H1				
667	ECH-U1H682JX5	0.0068	50	3.20	1.60	0.90	H1				
667	ECH-U1H821GX5	0.00082	50	2.00	1.25	0.90	J1				
667	ECH-U1H822GX5	0.0082	50	3.20	1.60	1.10	H2				
667	ECH-U1H822JX5	0.0082	50	3.20	1.60	1.10	H2				
667	ECH-U1H823JX9	0.082	50	4.80	3.30	2.10	E2				
667	ECH-U1C101GX5	0.0001	16	1.60	0.80	0.70	K1				
667	ECH-U1C101JX5	0.0001	16	1.60	0.80	0.70	K1				
667	ECH-U1C102JX5	0.001	16	1.60	0.80	0.70	K1				
667	ECH-U1C121GX5	0.00012	16	1.60	0.80	0.70	K1				
667	ECH-U1C121JX5	0.00012	16	1.60	0.80	0.70	K1				
667	ECH-U1C122GX5	0.0012	16	1.60	0.80	0.70	K1				
667	ECH-U1C122JX5	0.0012	16	1.60	0.80	0.70	K1				
667	ECH-U1C181GX5	0.00018	16	1.60	0.80	0.70	K1				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Voltage (VDC)	Dimensions: mm			Size Code	Price Each			
Mfr.	Mfr. Part No.			L	W	H		1	50	100	500
667	ECH-U1C181JX5	0.00018	16	1.60	0.80	0.70	K1				
667	ECH-U1C182GX5	0.0018	16	1.60	0.80	0.70	K1				
667	ECH-U1C221GX5	0.00022	16	1.60	0.80	0.70	K1				
667	ECH-U1C221JX5	0.00022	16	1.60	0.80	0.70	K1				
667	ECH-U1C222JX5	0.0022	16	1.60	0.80	0.70	K1				
667	ECH-U1C271JX5	0.00027	16	1.60	0.80	0.70	K1				
667	ECH-U1C272GX5	0.0027	16	1.60	0.80	0.70	K1				
667	ECH-U1C331GX5	0.00033	16	1.60	0.80	0.70	K1				
667	ECH-U1C391JX5	0.00039	16	1.60	0.80	0.70	K1				
667	ECH-U1C471GX5	0.00047	16	1.60	0.80	0.70	K1				
667	ECH-U1C471JX5	0.00047	16	1.60	0.80	0.70	K1				
667	ECH-U1C681JX5	0.00068	16	1.60	0.80	0.70	K1				
667	ECH-U1C821JX5	0.00082	16	1.60	0.80	0.70	K1				
667	ECH-U1C104GX5	0.10	16	3.20	2.50	2.10	G3				
667	ECH-U1C473GX5	0.047	16	3.20	1.60	1.50	H3				
667	ECH-U1C333JX5	0.033	16	3.20	1.60	1.10	H2				
667	ECH-U1H393GX5	0.039	50	3.20	2.50	2.10	G3				
667	ECH-U1C473JX5	0.047	16	3.20	1.60	1.50	H3				
667	ECH-U1C683GX5	0.068	16	3.20	2.50	1.50	G2				
667	ECH-U1C683JX5	0.068	16	3.20	2.50	1.50	G2				
667	ECH-U1C823GX5	0.082	16	3.20	2.50	2.10	G3				
667	ECH-U1H273JX5	0.027	50	3.20	2.50	1.50	G2				
667	ECH-U1H393JX5	0.039	50	3.20	2.50	2.10	G3				
667	ECH-U1H223JX5	0.022	50	3.20	2.50	1.50	G2				
667	ECH-U1H101JX5	0.0001	50	2.00	1.25	0.90	J1				
667	ECH-U1H272JX5	0.0027	50	2.00	1.25	0.90	J1				
667	ECH-U1H182GX5	0.0018	50	2.00	1.25	0.90	J1				
667	ECH-U1C103GX5	0.01	16	2.00	1.25	1.10	J2				
667	ECH-U1C123JX5	0.012	16	3.20	1.60	0.90	H1				
667	ECH-U1C472GX5	0.0047	16	2.00	1.25	0.90	J1				
667	ECH-U1H102GX5	0.001	50	2.00	1.25	0.90	J1				
667	ECH-U1H103GX5	0.01	50	3.20	1.60	1.10	H2				
667	ECH-U1H222JX5	0.0022	50	2.00	1.25	0.90	J1				
667	ECH-U1H332JX5	0.0033	50	3.20	1.60	0.90	H1				
667	ECH-U1H391JX5	0.00039	50	2.00	1.25	0.90	J1				
667	ECH-U1H683JX9	0.068	50	4.80	3.30	1.50	E1				
667	ECH-U1C223GX5	0.022	16	3.20	1.60	0.90	H1				
667	ECH-U1C102GX5	0.001	16	1.60	0.80	0.70	K1				
667	ECH-U1H333GX5	0.033	50	3.20	2.50	2.10	G3				
667	ECH-U1H102JX5	0.001	50	2.00	1.25	0.90	J1				
667	ECH-U1C223JX5	0.022	16	3.20	1.60	0.90	H1				
667	ECH-U1C104JX5	0.10	16	3.20	2.50	2.10	G3				

STACKED METALLIZED PEN FILM CHIP CAPACITORS

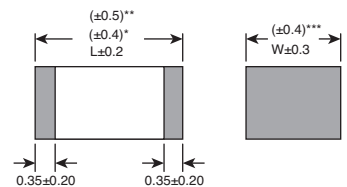
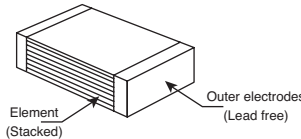
ECW-U(C) Series

Features:

- Small in size
- For reflow soldering
- RoHS directive compliant

Recommended Applications:

- General purpose (coupling, by-pass)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μF)	Voltage (VDC)	Dimensions: mm			Size Code	Price Each			
Mfr.	Mfr. Part No.			L	W	H		1	50	100	500
667	ECW-U1104V33	0.10	100	4.80	3.30	2.80	E3				
667	ECW-UC2J223JV	0.022	630	7.10	6.30	3.60	Y				
667	ECW-UC2J273JV	0.027	630	7.10	6.30	4.10	Y				
667	ECW-UC2J333JV	0.033	630	7.10	6.30	5.10	Y				

* To be applied only for size Z, Y, X
 ** To be applied only for size V
 *** To be applied only for size B, Z, Y, X, V

PANASONIC Film Capacitors



METALLIZED POLYPROPYLENE FILM CAPACITORS

Features:

- Small size
- Excellent frequency characteristics

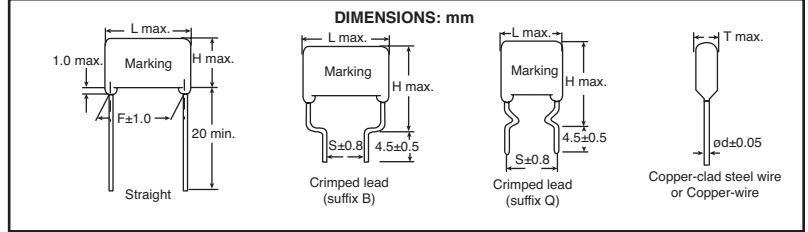
Recommended Applications:

- 250VDC and 630VDC: High frequency and current circuits
- 450VDC: Active filter circuits
- 800VDC: Resonance circuit for power supply



RoHS Compliant

This product is RoHS compliant.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Volt (VDC)	Case Size (Max.)		Price Each		
			L	T	1	100	500
ECW-F(A) Series							
Mfr. Part No.							
667—ECW-F2104JAQ	0.1	250	13.0	5.0			
667—ECW-F2124JAQ	0.12	250	13.0	5.3			
667—ECW-F2154JAQ	0.15	250	13.0	5.6			
667—ECW-F2184JAQ	0.18	250	13.0	5.9			
667—ECW-F2224JAQ	0.22	250	13.0	6.3			
667—ECW-F2334JAQ	0.33	250	13.0	7.3			
667—ECW-F2394JAQ	0.39	250	13.0	7.8			
667—ECW-F2474JAQ	0.47	250	13.0	8.4			
667—ECW-F2564JAQ	0.56	250	18.1	6.9			
667—ECW-F2684JAQ	0.68	250	18.1	7.4			
667—ECW-F2824JAQ	0.82	250	18.1	8.0			
667—ECW-F2105JA	1.0	250	18.1	8.5			
667—ECW-F2125JA	1.2	250	18.8	9.5			
667—ECW-F2155JA	1.5	250	18.8	10.5			
667—ECW-F2185JA	1.8	250	18.8	11.4			
667—ECW-F2225JA	2.2	250	18.8	12.6			
667—ECW-F2275JA	2.7	250	23.8	11.4			
667—ECW-F2335JA	3.3	250	23.8	12.5			
667—ECW-F2395JA	3.9	250	23.8	13.5			
667—ECW-F2475JA	4.7	250	23.8	14.8			
667—ECW-F2565JA	5.6	250	23.8	16.2			
667—ECW-F2685JA	6.8	250	23.8	17.8			
667—ECW-F2W104JAQ	0.1	450	13.0	5.1			
667—ECW-F2W124JAQ	0.12	450	13.0	5.4			
667—ECW-F2W154JAQ	0.15	450	13.0	5.7			
667—ECW-F2W184JAQ	0.18	450	13.0	6.1			
667—ECW-F2W224JAQ	0.22	450	13.0	6.5			
667—ECW-F2W274JAQ	0.27	450	13.0	7.0			
667—ECW-F2W334JAQ	0.33	450	13.0	7.6			
667—ECW-F2W394JAQ	0.39	450	13.0	8.1			
667—ECW-F2W474JAQ	0.47	450	13.0	8.7			
667—ECW-F2W564JA	0.56	450	18.1	7.0			
667—ECW-F2W684JA	0.68	450	18.1	7.5			
667—ECW-F2W824JA	0.82	450	18.1	8.2			
667—ECW-F2W105JA	1.0	450	18.1	9.3			
667—ECW-F2W125JA	1.2	450	18.8	9.7			
667—ECW-F2W155JA	1.5	450	18.8	10.7			
667—ECW-F2W185JA	1.8	450	18.8	11.6			
667—ECW-F2W225JA	2.2	450	18.8	12.8			
667—ECW-F2W275JA	2.7	450	26.3	10.6			
667—ECW-F2W335JA	3.3	450	26.3	11.7			
667—ECW-F2W395JA	3.9	450	26.3	12.6			
667—ECW-F2W475JA	4.7	450	26.3	13.8			
667—ECW-FA2J104J	0.10	630	18.2	5.2			
667—ECW-FA2J104J4	0.10	630	18.2	5.2			
667—ECW-FA2J104JQ	0.10	630	18.2	5.2			
667—ECW-FA2J124J	0.12	630	18.2	5.5			
667—ECW-FA2J124J4	0.12	630	18.2	5.5			
667—ECW-FA2J124JQ	0.12	630	18.2	5.5			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Volt (VDC)	Case Size (Max.)		Price Each		
			L	T	1	100	500
ECW-F(A) Series (Cont.)							
Mfr. Part No.							
667—ECW-FA2J154J	0.15	630	18.2	6.0			
667—ECW-FA2J154J4	0.15	630	18.2	6.0			
667—ECW-FA2J154JQ	0.15	630	18.2	6.0			
667—ECW-FA2J184J	0.18	630	18.2	6.5			
667—ECW-FA2J184J4	0.18	630	18.2	6.5			
667—ECW-FA2J184JQ	0.18	630	18.2	6.5			
667—ECW-FA2J224J	0.22	630	18.2	7.1			
667—ECW-FA2J224J4	0.22	630	18.2	7.1			
667—ECW-FA2J224JQ	0.22	630	18.2	7.1			
667—ECW-FA2J274J	0.27	630	18.2	7.8			
667—ECW-FA2J274J4	0.27	630	18.2	7.8			
667—ECW-FA2J274JQ	0.27	630	18.2	7.8			
667—ECW-FA2J334J	0.33	630	18.2	8.5			
667—ECW-FA2J334J4	0.33	630	18.2	8.5			
667—ECW-FA2J394J	0.39	630	18.2	9.2			
667—ECW-FA2J394J4	0.39	630	18.2	9.2			
667—ECW-FA2J394JQ	0.39	630	18.2	9.2			
667—ECW-FA2J474J	0.47	630	18.2	10.0			
667—ECW-FA2J474J4	0.47	630	18.2	10.0			
667—ECW-FA2J474JQ	0.47	630	18.2	10.0			
667—ECW-FA2J564J	0.56	630	18.2	10.9			
667—ECW-FA2J564J4	0.56	630	18.2	10.9			
667—ECW-FA2J564JQ	0.56	630	18.2	10.9			
667—ECW-FA2J684J	0.68	630	18.2	12.0			
667—ECW-FA2J684J4	0.68	630	18.2	12.0			
667—ECW-FA2J684JQ	0.68	630	18.2	12.0			
667—ECW-FA2J824J	0.82	630	26.0	10.1			
667—ECW-FA2J824JQ	0.82	630	26.0	10.1			
667—ECW-FA2J105J	1.0	630	26.0	11.1			
667—ECW-FA2J105JQ	1.0	630	26.0	11.1			
667—ECW-FA2J125J	1.2	630	26.0	12.1			
667—ECW-FA2J125JQ	1.2	630	26.0	12.1			
667—ECW-FA2J155J	1.5	630	26.0	13.5			
667—ECW-FA2J155JQ	1.5	630	26.0	13.5			
667—ECW-FA2J185J	1.8	630	26.0	14.8			
667—ECW-FA2J185JQ	1.8	630	26.0	14.8			
667—ECW-FA2J225J	2.2	630	26.0	16.3			
667—ECW-FA2J225JQ	2.2	630	26.0	16.3			
ECW-H(A) Series							
Mfr. Part No.							
667—ECW-H8103HA	0.010	800	15.4	5.4			
667—ECW-H8123HA	0.012	800	15.4	5.8			
667—ECW-H8153HA	0.015	800	15.4	6.2			
667—ECW-H8183HA	0.018	800	15.7	6.6			
667—ECW-H8223HA	0.022	800	15.7	7.1			
667—ECW-H8273HA	0.027	800	15.7	7.6			
667—ECW-H8333HA	0.033	800	15.7	8.4			
667—ECW-H8393HA	0.039	800	15.7	8.9			
667—ECW-H8473HA	0.047	800	15.7	9.7			

ECQ-UA SERIES - METALLIZED POLYESTER FILM CAPACITORS

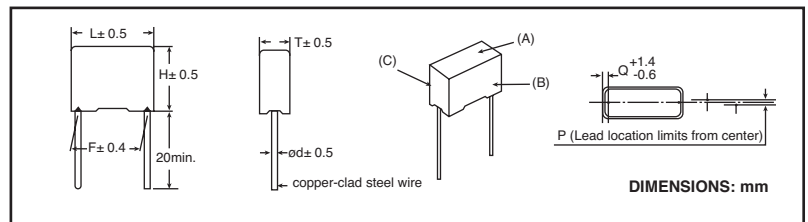
In accordance with UL/CSA and European safety regulation class X2

Features:

- Compact
- Flame-retardant plastic case and non-combustible resin

Recommended Applications:

- Interference suppressors



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	Dimensions: mm							Price Each			
			L	T	H	F	ød	P	Q	1	50	100	500
667-ECQ-UAAF104K	ECQ-UAAF104K	0.10	17.5	5.0	12.0	15.0	0.60	0±0.8	1.3				
667-ECQ-UAAF154K	ECQ-UAAF154K	0.15	17.5	6.0	13.0	15.0	0.60	0±0.8	1.3				
667-ECQ-UAAF224K	ECQ-UAAF224K	0.22	17.5	7.5	14.0	15.0	0.60	0±0.8	1.3				
667-ECQ-UAAF334K	ECQ-UAAF334K	0.33	17.5	9.0	16.0	15.0	0.60	0±0.8	1.3				
667-ECQ-UAAF474K	ECQ-UAAF474K	0.47	26.0	8.5	15.0	22.5	0.80	0±0.8	1.3				
667-ECQ-UAAF684K	ECQ-UAAF684K	0.68	26.0	10.0	17.0	22.5	0.80	0±0.8	1.3				
667-ECQ-UAAF105K	ECQ-UAAF105K	1.0	26.0	12.0	19.0	22.5	0.80	0±0.8	1.3				
667-ECQ-UAAF155K	ECQ-UAAF155K	1.5	31.0	12.0	22.0	27.5	0.80	0±0.8	1.8				
667-ECQ-UAAF225K	ECQ-UAAF225K	2.2	31.0	14.5	24.5	27.5	0.80	0±0.8	1.8				

PANASONIC Film Capacitors

Panasonic

RoHS Compliant This product is RoHS compliant.

ECQ-U(G) AND ECQ-U(L) SERIES - METALLIZED POLYESTER FILM CAPACITORS

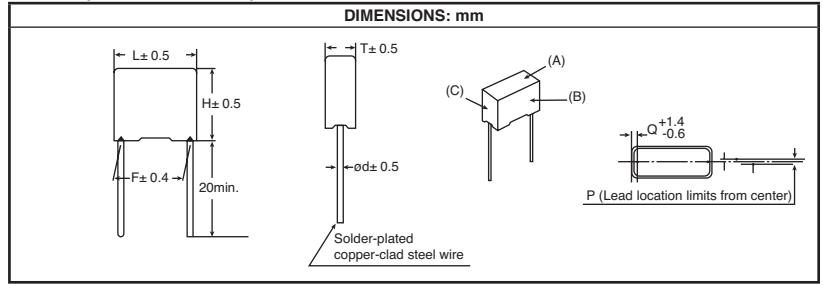
Features:

- Compact
- Flame-retardant plastic case and non-combustible resin
- ECQ-U(G) Voltage Rating: 250VAC (UL, CSA)
- ECQ-U(L) Voltage Rating: 300VAC (IEC60384-14)



Recommended Applications:

- Interference suppressors



ECQ-U(G) Series

In accordance with UL/CSA and European safety regulation class X1

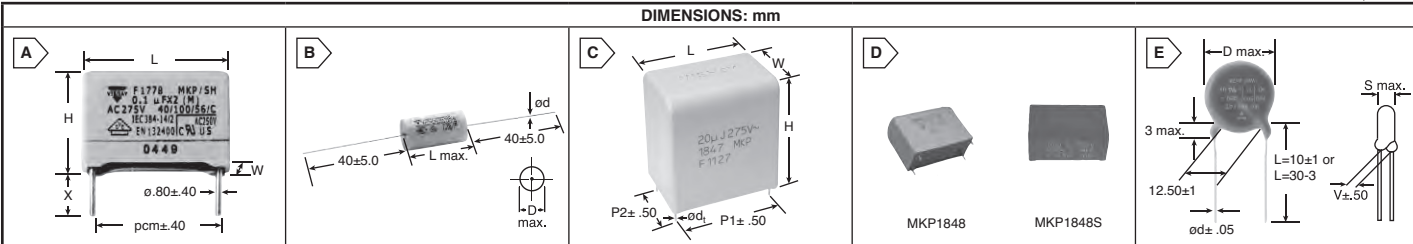
MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	Dimensions: mm								Price Each			
			L	T	H	F	ød	P	Q	1	25	100	500	
667-ECQ-U3A103MG	ECQ-U3A103MG	0.01	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U3A104MG	ECQ-U3A104MG	0.10	15	8	15	12.5	0.6	0±0.5	1.3					
667-ECQ-U3A105MG	ECQ-U3A105MG	1.00	27	16.5	25.5	22.5	0.8	0±0.75	2.2					
667-ECQ-U3A153MG	ECQ-U3A153MG	0.015	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U3A154MG	ECQ-U3A154MG	0.15	18	8	16.5	15	0.8	0±0.5	1.3					
667-ECQ-U3A223MG	ECQ-U3A223MG	0.022	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U3A224MG	ECQ-U3A224MG	0.22	18	9	17.5	15	0.8	0±0.5	1.3					
667-ECQ-U3A333MG	ECQ-U3A333MG	0.033	15	6	13	12.5	0.6	0±0.5	1.3					
667-ECQ-U3A334MG	ECQ-U3A334MG	0.33	26	9	18.5	22.5	0.8	0±0.5	1.5					
667-ECQ-U3A473MG	ECQ-U3A473MG	0.047	15	6	13	12.5	0.6	0±0.5	1.3					
667-ECQ-U3A474MG	ECQ-U3A474MG	0.47	26	10.5	20	22.5	0.8	0±0.75	1.5					
667-ECQ-U3A683MG	ECQ-U3A683MG	0.068	15	8	15	12.5	0.6	0±0.5	1.3					
667-ECQ-U3A684MG	ECQ-U3A684MG	0.68	26	12.5	22	22.5	0.8	0±0.75	1.5					

ECQ-U(L) Series

In accordance with UL/CSA and European safety regulation class X2 or class Y2/X2

MOUSER STOCK NO.	Panasonic Part No.	Value (µF)	Dimensions: mm								Price Each			
			L	T	H	F	ød	P	Q	1	50	100	500	
667-ECQ-U2A104KL	ECQ-U2A104KL	0.1	17.5	5.5	12	15	0.6	0±0.5	1.3					
667-ECQ-U2A185ML	ECQ-U2A185ML	1.8	30.5	19	29.5	27.5	0.8	0±0.75	1.5					
667-ECQ-U2A125ML	ECQ-U2A125ML	1.2	30.5	16.5	26	27.5	0.8	0±0.75	1.5					
667-ECQ-U2A684ML	ECQ-U2A684ML	0.68	25.5	10.5	19.5	22.5	0.8	0±0.75	1.5					
667-ECQ-U2A394ML	ECQ-U2A394ML	0.39	25.5	8.5	17.5	22.5	0.8	0±0.75	1.5					
667-ECQ-U2A392ML	ECQ-U2A392ML	0.0039	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A122ML	ECQ-U2A122ML	0.0012	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A123ML	ECQ-U2A123ML	0.012	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A272ML	ECQ-U2A272ML	0.0027	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A274ML	ECQ-U2A274ML	0.27	17.5	9.5	17.5	15	0.8	0±0.5	1.3					
667-ECQ-U2A332ML	ECQ-U2A332ML	0.0033	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A334ML	ECQ-U2A334ML	0.33	17.5	9.5	17.5	15	0.8	0±0.5	1.3					
667-ECQ-U2A562ML	ECQ-U2A562ML	0.0056	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A822ML	ECQ-U2A822ML	0.0082	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A184ML	ECQ-U2A184ML	0.18	17.5	8	16	15	0.6	0±0.5	1.3					
667-ECQ-U2A124ML	ECQ-U2A124ML	0.12	17.5	6.5	14.5	15	0.6	0±0.5	1.3					
667-ECQ-U2A154ML	ECQ-U2A154ML	0.15	17.5	6.5	14.5	15	0.6	0±0.5	1.3					
667-ECQ-U2A393ML	ECQ-U2A393ML	0.039	15	6	13	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A563ML	ECQ-U2A563ML	0.056	17.5	4.5	11.5	15	0.6	0±0.5	1.3					
667-ECQ-U2A683ML	ECQ-U2A683ML	0.068	17.5	4.5	11.5	15	0.6	0±0.5	1.3					
667-ECQ-U2A823ML	ECQ-U2A823ML	0.082	17.5	5.5	12	15	0.6	0±0.5	1.3					
667-ECQ-U2A333ML	ECQ-U2A333ML	0.033	15	6	13	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A473ML	ECQ-U2A473ML	0.047	15	6	13	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A682ML	ECQ-U2A682ML	0.0068	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A225ML	ECQ-U2A225ML	2.2	30.5	19	29.5	27.5	0.8	0±0.75	1.5					
667-ECQ-U2A155ML	ECQ-U2A155ML	1.5	30.5	16.5	26	27.5	0.8	0±0.75	1.5					
667-ECQ-U2A472ML	ECQ-U2A472ML	0.0047	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A222ML	ECQ-U2A222ML	0.0022	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A152ML	ECQ-U2A152ML	0.0015	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A103ML	ECQ-U2A103ML	0.01	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A102ML	ECQ-U2A102ML	0.001	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A153ML	ECQ-U2A153ML	0.015	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A223ML	ECQ-U2A223ML	0.022	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A273ML	ECQ-U2A273ML	0.027	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A224ML	ECQ-U2A224ML	0.22	17.5	8	16	15	0.6	0±0.5	1.3					
667-ECQ-U2A105ML	ECQ-U2A105ML	1	25.5	12	22	22.5	0.8	0±0.75	1.5					
667-ECQ-U2A104ML	ECQ-U2A104ML	0.1	17.5	5.5	12	15	0.6	0±0.5	1.3					
667-ECQ-U2A474ML	ECQ-U2A474ML	0.47	25.5	8.5	17.5	22.5	0.8	0±0.75	1.5					
667-ECQ-U2A102KL	ECQ-U2A102KL	0.001	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A222KL	ECQ-U2A222KL	0.0022	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A472KL	ECQ-U2A472KL	0.0047	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A822KL	ECQ-U2A822KL	0.0082	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A103KL	ECQ-U2A103KL	0.01	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A123KL	ECQ-U2A123KL	0.012	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A223KL	ECQ-U2A223KL	0.022	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A273KL	ECQ-U2A273KL	0.027	15	5	11.5	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A333KL	ECQ-U2A333KL	0.033	15	6	13	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A473KL	ECQ-U2A473KL	0.047	15	6	13	12.5	0.6	0±0.5	1.3					
667-ECQ-U2A563KL	ECQ-U2A563KL	0.056	17.5	4.5	11.5	15	0.6	0±0.5	1.3					
667-ECQ-U2A683KL	ECQ-U2A683KL	0.068	17.5	4.5	11.5	15	0.6	0±0.5	1.3					
667-ECQ-U2A124KL	ECQ-U2A124KL	0.12	17.5	6.5	14.5	15	0.6	0±0.5	1.3					
667-ECQ-U2A224KL	ECQ-U2A224KL	0.22	17.5	8	16	15	0.6	0±0.5	1.3					
667-ECQ-U2A274KL	ECQ-U2A274KL	0.27	17.5	9.5	17.5	15	0.8	0±0.5	1.3					
667-ECQ-U2A334KL	ECQ-U2A334KL	0.33	17.5	9.5	17.5	15	0.8	0±0.5	1.3					
667-ECQ-U2A474KL	ECQ-U2A474KL	0.47	25.5	8.5	17.5	22.5	0.8	0±0.75	1.5					
667-ECQ-U2A564KL	ECQ-U2A564KL	0.56	25.5	10.5	19.5	22.5	0.8	0±0.75	1.5					
667-ECQ-U2A684KL	ECQ-U2A684KL	0.68	25.5	10.5	19.5	22.5	0.8	0±0.75	1.5					
667-ECQ-U2A105KL	ECQ-U2A105KL	1	25.5	12	22	22.5	0.8	0±0.75	1.5					
667-ECQ-U2A155KL	ECQ-U2A155KL	1.5	30.5	16.5	26	27.5	0.8	0±0.75	1.5					
667-ECQ-U2A225KL	ECQ-U2A225KL	2.2	30.5	19	29.5	27.5	0.8	0±0.75	1.5					

RoHS Compliant This product is RoHS compliant.



F1772 SUPPRESSION AC-CAPACITORS (MKT) CLASS X2 275VAC

Specifications:

- Construction: metallized polyester film capacitor
- Coating: plastic case, epoxy resin sealed, flame retardant; UL 94V-0



For quantities greater than listed, call for quote

MOUSER STOCK NO.		Fig.	Value (µF)	Tol. %	Dimensions: mm				Price Each			
Mfr.	Mfr. Part No.				X	pcm	W	H	L	1	50	100
75	F17723472000	A	0.047	10	6	15	6.3	12.3	17.8			
75	F17724102000	A	0.1	10	6	15	8.3	14.4	17.8			
75	F17724222000	A	0.22	10	6	22.5	8.3	16.4	26.2			
75	F17724332000	A	0.33	10	6	22.5	10.3	18.4	26.2			
75	F17724472000	A	0.47	10	6	27.5	11.0	20.3	31.2			
75	F17724472200	A	0.047	20	6	27.5	11	20.3	31.2			
75	F17724472030	A	0.047	10	30	27.5	11	20.3	31.2			
75	F17724682000	A	0.68	10	6	27.5	13.3	23.3	31.2			
75	F17725102000	A	1.0	10	6	27.5	14.5	24.4	31.2			
75	F17725222000	A	2.2	10	6	37.5	17.9	32.4	41.2			

MKP1847 AC CAPACITORS

Specifications:

- Terminals: tinned wire
- Construction: metallized polypropylene film
- Tolerance: ± 5%
- Operating temperature: 55°C to + 85°C

Applications:

- High performance AC filtering applications



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (µF)	Volt (VAC)	Dimensions: mm						Price Each		
Mfr.	Mfr. Part No.				W	H	L	P1	P2	od	1	50	100
75	MKP1847510354K2	C	1	350	11	21	32	27.5	-	0.8			
75	MKP1847530354K2	C	3	350	18	28	32	27.5	-	0.8			
75	MKP1847550354P4	C	5	350	18.5	35.5	43	37.5	10.2	1.0			
75	MKP1847580354P4	C	8	350	21.5	35.5	43	37.5	10.2	1.0			
75	MKP1847610354P4	C	10	350	24	44	42	37.5	10.2	1.0			
75	MKP1847615354Y4	C	15	350	25	45	57	52.5	10.2	1.2			
75	MKP1847620354Y5	C	20	350	30	45	57.5	52.5	20.3	1.2			
75	MKP1847625354Y5	C	25	350	35	50	57.5	52.5	20.3	1.2			
75	MKP1847630354Y5	C	30	350	45	45	57.5	52.5	20.3	1.2			

F1710 SUPPRESSION AC-CAPACITORS (MKT) CLASS Y2 250VAC

Specifications:

- Construction: polyester film
- Coating: plastic case, epoxy resin sealed, flame retardant, UL-class 94V-0



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (µF)	Tol. %	Dimensions: mm				Price Each			
Mfr.	Mfr. Part No.				X	pcm	W	H	L	1	50	500
75	F17102101000	A	1000pF	20	6	15	5.3	10.3	17.8			
75	F17102221000	A	2200pF	20	6	15	5.3	10.3	17.8			
75	F17102471000	A	4700pF	20	6	15	5.3	10.3	17.8			
75	F17103101000	A	0.01	20	6	15	6.3	12.3	17.8			
75	F17103101030	A	0.01	20	30	15	6.3	12.3	17.8			
75	F17103151000	A	0.015	20	6	15	7.3	13.3	17.8			
75	F17103221000	A	0.022	20	6	15	8.3	17.3	17.8			
75	F17103471000	A	0.047	20	6	22.5	8.2	16.3	26.3			
75	F17104101030	A	0.1	20	30	27.5	11.0	20.3	31.3			
75	F17104101000	A	0.1	20	6	27.5	11.0	20.3	31.3			

F1778 SUPPRESSION AC-CAPACITORS (MKT) CLASS X2 275VAC

Specifications:

- Construction: metallized polypropylene film
- Coating: plastic case, epoxy resin sealed, flame retardant, UL 94V-0



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (µF)	Tol. %	Dimensions: mm				Price Each			
Mfr.	Mfr. Part No.				X	pcm	W	H	L	1	50	500
75	F1778310K2DCB0	A	0.01	10	4	10	3.7	8.9	12.8			
75	F1778322K2DBB0	A	0.022	10	4	10	3.7	8.9	12.8			
75	F1778347K2FCB0	A	0.047	10	4	15	5.3	10.4	17.8			
75	F1778510K2KCT0	A	1.0	10	6	27.5	11.0	20.3	31.3			
75	F1778522K2KCT0	A	2.2	10	6	27.5	11.0	20.3	31.3			
75	F1778310M2DCB0	A	0.01	20	4	10	3.7	8.9	12.8			
75	F1778347M2FCB0	A	0.047	20	4	15	5.3	10.4	17.8			
75	F1778410M2FCB0	A	0.1	20	4	15	7.3	13.4	17.8			
75	F1778422M2FCB0	A	0.22	20	4	15	8.3	17.4	17.8			
75	F1778447M2ICT0	A	0.47	20	6	22.5	10.2	18.4	26.3			
75	F1778510M2KCT0	A	1.0	20	6	27.5	13.0	23.3	31.2			
75	F1778522M2KCT0	A	2.2	20	6	27.5	17.8	32.4	31.2			

F1773 SUPPRESSION AC-CAPACITORS (MKT) CLASS X2 253VAC AXIAL

Specifications:

- Construction: metallized polyester film



d (mm) [Lead dia.]	D (mm)
.70	≤ 7
.80	> 7 / < 16.5
1.0	≥ 16.5

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (µF)	Tol. %	pcm	Dimensions: mm		Price Each		
Mfr.	Mfr. Part No.					D	L	1	50	500
75	F17734102000	B	0.1	20	22.5	9.5	19.0			
75	F17734222000	B	0.22	10	30	10.0	26.5			
75	F17734332000	B	0.33	10	30	12.0	26.5			
75	F17734472000	B	0.47	10	30	14.0	26.5			
75	F17734682000	B	0.68	10	35	15.0	31.5			
75	F17735102000	B	1.0	10	35	18.0	31.5			
75	F17735152000	B	1.5	10	45	18.0	41.5			
75	F17735222000	B	2.2	10	45	21.5	41.5			

WKP SUPPRESSION CERAMIC CAPACITORS CLASS X1, 760VAC, CLASS Y1, 500VAC

Specifications:

- Construction: ceramic disc with epoxy coating
- Coating: epoxy, dipped, insulating, flame retardant (UL 94V0)
- Tolerance: 20%



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (µF)	Dimensions: mm	Price Each					
Mfr.	Mfr. Part No.				d±.05	V±.50	D	S	1	50
75	WKP330MCPEF0KR	E	33	0.6	1.9	8.0	6.0			
75	WKP470MCPEF0KR	E	47	0.6	2.3	8.0	6.0			
75	WKP680MCPEF0KR	E	68	0.6	2.3	8.0	6.0			
75	WKP101MCPEF0KR	E	100	0.6	2.3	8.0	6.0			
75	WKP151MCPEF0KR	E	150	0.6	2.3	8.0	6.0			
75	WKP331MCPEF0KR	E	330	0.6	2.5	8.0	6.0			
75	WKP471MCPEF0KR	E	470	0.6	2.5	8.0	6.0			
75	WKP681MCPEF0KR	E	680	0.6	2.5	9.0	6.0			
75	WKP102MCPEJ0KR	E	1000	0.8	2.7	10.0	6.0			
75	WKP152MCPEJ0KR	E	1500	0.8	2.7	12.0	6.0			
75	WKP332MCPEJ0KR	E	3300	0.8	2.7	15.0	6.0			
75	WKP472MCPEJ0KR	E	4700	0.8	2.7	18.0	6.0			

VISHAY/ROEDERSTEIN Film Capacitors



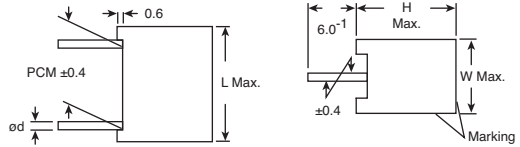
MKP1841 AND MKP1840 METALIZED POLYPROPYLENE FILM CAPACITORS

This product is RoHS compliant.

DIMENSIONS: mm

Specifications:

- Coating: flame retardant plastic case, blue, epoxy resin sealed
- Construction: extended double-sided metallized polypropylene film
- Reliability: operational life > 300,000 hours
- Electrodes: vacuum deposited aluminum
- Dielectric: polypropylene film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±0.5% for a period of two years



For quantities greater than listed, call for quote.

MOUSER STOCK NO.											
Mfr.	Mfr. Part No.	Value (µF)	Volt (DC)	Tol. ± (%)	Dimensions: mm			PCM	Price Each		
						W	H	L			
MKT1840											
75	MKP1840322635	0.022	630	10	10	6.5	11.5	13			
75	MKP1840333634	0.033	630	5	15	5.5	10.5	18			
75	MKP1840410165	0.1	160	10	10	5.5	10.5	13			
75	MKP1840410634	0.1	630	5	15	8.5	17.5	18			
75	MKP1840415255	0.15	250	10	15	6.5	12.5	18			
75	MKP1840422254	0.22	250	5	15	7.5	13.5	18			
75	MKP1840447635	0.47	630	10	27.5	13.5	23.5	31.5			

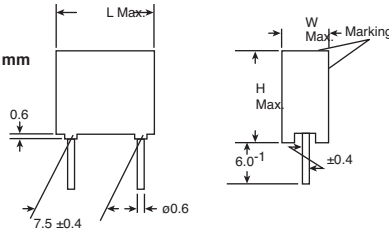
MOUSER STOCK NO.											
Mfr.	Mfr. Part No.	Value (µF)	Volt (DC)	Tol. ± (%)	Dimensions: mm			PCM	Price Each		
						W	H	L			
MKT1841											
75	MKP1841215635	0.0015	630	10	7.5	3	8.5	10			
75	MKP1841310635	0.01	630	10	15	5.5	10.5	18			
75	MKP1841310105	0.01	1000	10	22.5	6.5	14.5	26.5			
75	MKP1841310134	0.01	1600	5	22.5	6.5	14.5	26.5			
75	MKP1841422255	0.022	250	10	15	8.5	17.5	18			
75	MKP1841333635	0.033	630	10	22.5	7.5	15.5	26.5			
75	MKP1841347135	0.047	1600	10	27.5	11.5	20.5	31.5			
75	MKP1841410254	0.1	250	5	15	6.5	12.5	18			
75	MKP1841410255	0.1	250	10	15	6.5	12.5	18			
75	MKP1841410105	0.1	1000	10	27.5	13.5	23.5	31.5			
75	MKP1841415404	0.15	400	5	22.5	8.5	16.5	26.5			

MKT1817 METALIZED POLYESTER FILM CAPACITORS

Specifications:

- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: flame retardant plastic case, green, epoxy resin sealed
- Construction: extended metallized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours

DIMENSIONS: mm



For quantities greater than listed, call for quote.

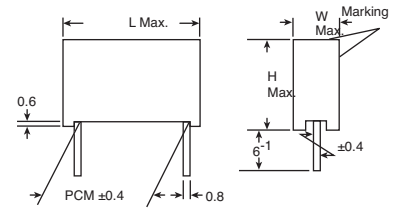
MOUSER STOCK NO.											
Mfr.	Mfr. Part No.	Value (µF)	Volt (DC)	Tol. ± (%)	Dimensions: mm			PCM	Price Each		
						W	H	L			
75	MKT1817410064	0.1	63	5	2.5	6.0	7.5				
75	MKT1817410065	0.1	63	10	2.5	6.0	7.5				
75	MKT1817415064	0.15	63	5	3.5	8.5	7.5				
75	MKT1817422064	0.22	63	5	3.5	8.5	7.5				
75	MKT1817422065	0.22	63	10	3.5	8.5	7.5				
75	MKT1817433065	0.33	63	10	4.5	9.5	7.5				
75	MKT1817447064	0.47	63	5	5.0	10.0	7.5				
75	MKT1817447065	0.47	63	10	5.0	10.0	7.5				
75	MKT1817510064	1.0	63	5	5.5	11.5	7.5				
75	MKT1817510065	1.0	63	10	5.5	11.5	7.5				
75	MKT1817422015	0.22	100	10	5.0	10	7.5				
75	MKT1817310015	0.01	100	10	2.5	6.0	7.5				
75	MKT1817322014	0.022	100	5	2.5	6.0	7.5				
75	MKT1817322015	0.022	100	10	2.5	6.0	7.5				
75	MKT1817347014	0.047	100	5	2.5	6.0	7.5				
75	MKT1817310254	0.01	250	5	2.5	6.0	7.5				
75	MKT1817410255	0.1	250	10	5.5	11.5	7.5				

MKT1813 METALIZED POLYESTER FILM CAPACITORS

Specifications:

- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: plastic-wrapped, epoxy resin sealed
- Construction: extended metallized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours

DIMENSIONS: mm



For quantities greater than listed, call for quote.

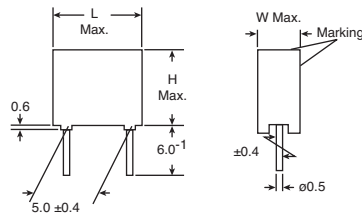
MOUSER STOCK NO.										
Mfr.	Mfr. Part No.	Value (µF)	Volt (DC)	Tol. ± (%)	Dimensions: mm		PCM	Price Each		
						D	L			
75	MKT1813447064	0.47	63	5	7.0	14.0				
75	MKT1813522064	2.2	63	5	8.5	26.5				
75	MKT1813533064	3.3	63	5	10.0	26.5				
75	MKT1813410014	0.1	100	5	5.0	11.0				
75	MKT1813422015	0.22	100	10	6.0	14.0				
75	MKT1813447014	0.47	100	5	6.5	19.0				
75	MKT1813510014	1.0	100	5	8.5	19.0				
75	MKT1813510015	1.0	100	10	8.5	19.0				
75	MKT1813547015	4.7	100	10	8.5	19.0				
75	MKT1813322254	0.022	250	5	5.0	11.0				
75	MKT1813322255	0.022	250	10	5.0	11.0				
75	MKT1813410254	0.1	250	5	6.0	14.0				
75	MKT1813510255	1.0	250	10	10.0	26.5				
75	MKT1813310404	0.01	400	5	5.0	11.0				
75	MKT1813410405	0.1	400	10	7.0	19.0				
75	MKT1813522405	2.2	400	10	16.5	41.5				
75	MKT1813410635	0.1	630	10	10.5	19.0				

MKT1818 METALIZED POLYESTER FILM CAPACITORS

Specifications:

- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: flame retardant plastic case
- Construction: extended metallized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours

DIMENSIONS: mm



For quantities greater than listed, call for quote.

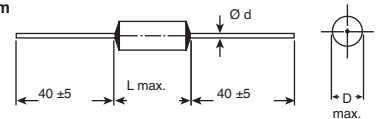
MOUSER STOCK NO.											
Mfr.	Mfr. Part No.	Value (µF)	Volt (DC)	Tol. ± (%)	Dimensions: mm			PCM	Price Each		
						W	H	L			
75	MKT1818268405	0.0068	400	10	2.5	7.5	10.0				
75	MKT1818310255	0.01	250	10	2.5	7.5	10.0				
75	MKT1818310254	0.01	250	5	2.5	7.5	10.0				
75	MKT1818333015	0.033	100	10	2.5	7.5	10.0				
75	MKT1818333254	0.033	250	5	3.0	8.5	10.0				
75	MKT1818347014	0.047	100	5	2.5	7.5	10.0				
75	MKT1818410014	0.1	100	5	3.0	8.5	10.0				
75	MKT1818410015	0.1	100	10	3.0	8.5	10.0				
75	MKT1818422014	0.22	100	5	4.0	9.0	10.0				
75	MKT1818433064	0.33	63	5	4.0	9.0	10.0				
75	MKT1818433014	0.33	100	5	5.0	10.5	10.3				
75	MKT1818447064	0.47	63	5	4.5	9.5	10.0				
75	MKT1818447014	0.47	100	5	5.7	11.5	10.3				
75	MKT1818510064	1.0	63	5	5.7	11.5	10.3				
75	MKT1818510065	1.0	63	10	5.7	11.5	10.3				

MKT1822 METALIZED POLYESTER FILM CAPACITORS

Specifications:

- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: flame retardant plastic case, green, epoxy resin sealed
- Construction: extended metallized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours

DIMENSIONS: mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.											
Mfr.	Mfr. Part No.	Value (µF)	Volt (DC)	Tol. ± (%)	Dimensions: mm			PCM	Price Each		
						W	H	L			
75	MKT1822310404	0.01	400	5	10	4	9	13			
75	MKT1822310635	0.01	630	10	10	4	9	13			
75	MKT1822333404	0.033	400	5	10	4	9	13			
75	MKT1822347254	0.047	250	5	10	4	9	13			
75	MKT1822368254	0.068	250	5	10	4.5	9.5	13			
75	MKT1822410015	0.1	100	10	10	4	9	13			
75	MKT1822410014	0.1	100	5	10	4	9	13			
75	MKT1822410255	0.1	250	10	15	5.5	10.5	18			
75	MKT1822410405	0.1	400	10	15	5.5	10.5	18			
75	MKT1822422015	0.22	100	10	10	1.5	9.5	13			
75	MKT1822447014	0.47	100	5	15	5.5	10.5	18			
75	MKT1822447405	0.47	400	5	22.5	10.5	18.5	26.5			
75	MKT1822510014	1	100	5	15	7.5	13.5	18			
75	MKT1822510015	1	100	10	15	7.5	13.5	18			
75	MKT1822510255	1	250	10	22.5	8.5	16.5	26.5			
75	MKT1822522064	2.2	63	5	15	7.5	13.5	18			

VISHAY/SPRAGUE ORANGE DROP® Film Capacitors

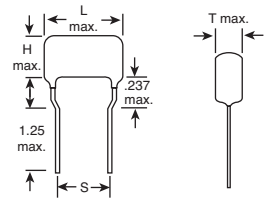


VISHAY TYPE 225P POLYESTER FILM CAPACITORS

Type 225P capacitors are wound from PETP polyester film and thin gauge foil under carefully controlled atmospheric conditions. Protected against moisture by a conformal coating of epoxy. Specifically designed for printed wiring board applications. Widely used in computers, instrumentation and telecommunications equipment.

Specifications:

- Operating temperature: -55°C to +85°C
- Tolerance: ±10%
- Dissipation factor: maximum dissipation factor .75%
- Life test: shall withstand 500 hour life test at +85°C @ 150% of rated voltage



DIMENSIONS: in.

100 VDC / 70 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions: in.				Price Each		
			L	H	T	S	1	25	100
75-225P100V0.0015	225P15291WD3	0.0015	.70	.35	.25	.375			
75-225P100V0.0022	225P22291WD3	0.0022	.70	.35	.25	.375			
75-225P100V0.0033	225P33291WD3	0.0033	.70	.35	.25	.375			
75-225P100V0.0039	225P39291WD3	0.0039	.70	.35	.25	.375			
75-225P100V0.0047	225P47291WD3	0.0047	.70	.35	.25	.375			
75-225P100V0.01	225P10391WD3	0.01	.70	.35	.25	.375			
75-225P100V0.015	225P15391WD3	0.015	.70	.35	.25	.375			
75-225P100V0.022	225P22391WD3	0.022	.70	.35	.25	.375			
75-225P100V0.027	225P27391WD3	0.027	.70	.37	.27	.375			
75-225P100V0.033	225P33391WD3	0.033	.70	.37	.27	.375			
75-225P100V0.039	225P39391WD3	0.039	.70	.42	.30	.375			
75-225P100V0.047	225P47391WD3	0.047	.70	.42	.30	.375			
75-225P100V0.056	225P56391WD3	0.056	.70	.49	.34	.375			
75-225P100V0.068	225P68391WD3	0.068	.70	.49	.34	.375			
75-225P100V0.1	225P10491WD3	0.1	.70	.55	.40	.375			
75-225P100V0.22	225P22491XD3	0.22	.80	.70	.46	.375			
75-225P100V0.33	225P33491XD3	0.33	.80	.77	.52	.375			
75-225P100V0.47	225P47491XD3	0.47	.80	.86	.60	.375			
75-225P100V0.68	225P68491YD3	0.68	1.25	.90	.58	.719			
75-225P100V1.0	225P10591YD3	1.0	1.25	.98	.72	.719			

200 VDC / 140 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions: in.				Price Each		
			L	H	T	S	1	25	100
75-225P200V0.01	225P10392XD3	0.01	.80	.58	.28	.375			
75-225P200V0.022	225P22392XD3	0.022	.80	.58	.25	.375			
75-225P200V0.047	225P47392XD3	0.047	.80	.61	.28	.375			
75-225P200V0.22	225P22492XD3	0.22	.80	.77	.48	.375			
75-225P200V0.47	225P47492YD3	0.47	1.25	.83	.50	.719			
75-225P200V0.68	225P68492YD3	0.68	1.25	1.14	.84	.719			

400 VDC / 200 VAC

For quantities greater than listed, call for quote.

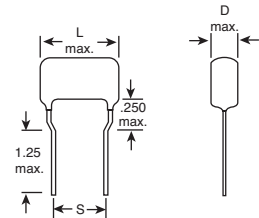
MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions: in.				Price Each		
			L	H	T	S	1	25	100
75-225P400V0.001	225P10294XD3	0.001	.80	.55	.25	.375			
75-225P400V0.0047	225P47294XD3	0.0047	.80	.55	.25	.375			
75-225P400V0.01	225P10394XD3	0.01	.80	.58	.28	.375			
75-225P400V0.015	225P15394XD3	0.015	.80	.58	.28	.375			
75-225P400V0.033	225P33394XD3	0.033	.80	.65	.34	.375			
75-225P400V0.047	225P47394XD3	0.047	.80	.65	.41	.375			
75-225P400V0.1	225P10494XD3	0.1	.80	.84	.52	.375			
75-225P400V0.22	225P22494YD3	0.22	1.25	.89	.56	.719			

VISHAY TYPE 715P POLYPROPYLENE FILM CAPACITORS

Type 715P capacitors are ideal for applications where high AC current flow is found, as in certain solid-state TV vertical circuits, RF generators, and pulse-forming networks where dielectric heating is often a problem.

Specifications:

- Operating temperature: -55°C to 85°C; up to +105°C when working voltage is reduced to 50% of the 85°C rating
- Tolerance: ±5%
- Life test: shall withstand 500 hour life test at +85°C @ 150% of rated voltage
- Conformally coated with a flame retardant epoxy



DIMENSIONS: in.

200 VDC / 155 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions: in.			Price Each		
			L	D	S	1	25	100
75-715P200V0.01	715P10352JD3	0.01	.75	.37	.375			
75-715P200V0.015	715P15352JD3	0.015	.75	.37	.375			
75-715P200V0.022	715P22352JD3	0.022	.75	.37	.375			
75-715P200V0.068	715P68352KD3	0.068	.95	.45	.375			
75-715P200V0.1	715P10452LD3	0.1	1.30	.45	.719			
75-715P200V0.15	715P15452LD3	0.15	1.30	.55	.719			
75-715P200V0.33	715P33452MD3	0.33	1.70	.65	1.09			
75-715P200V0.47	715P47452MD3	0.47	1.70	.75	1.09			

400 VDC / 200 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions: in.			Price Each		
			L	D	S	1	25	100
75-715P400V0.0047	715P47254JD3	0.0047	.75	.40	.375			
75-715P400V0.01	715P10354JD3	0.01	.75	.40	.375			
75-715P400V0.047	715P47354LD3	0.047	1.30	.50	.719			
75-715P400V0.1	715P10454LD3	0.1	1.30	.60	.719			
75-715P400V0.15	715P15454LD3	0.15	1.30	.65	.719			
75-715P400V0.22	715P22454MD3	0.22	1.70	.70	1.09			
75-715P400V0.33	715P33454MD3	0.33	1.70	.80	1.09			
75-715P400V0.47	715P47454MD3	0.47	1.70	.90	1.09			

600 VDC / 200 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions: in.			Price Each		
			L	D	S	1	25	100
75-715P600V0.001	715P10256JD3	0.001	.75	.40	.375			
75-715P600V0.0015	715P15256JD3	0.0015	.75	.40	.375			
75-715P600V0.0022	715P22256JD3	0.0022	.75	.40	.375			
75-715P600V0.0047	715P47256JD3	0.0047	.75	.45	.375			
75-715P600V0.0068	715P68256JD3	0.0068	.75	.45	.375			
75-715P600V0.01	715P10356KD3	0.01	.95	.45	.375			
75-715P600V0.015	715P15356KD3	0.015	.95	.50	.375			
75-715P600V0.022	715P22356KD3	0.022	.95	.55	.375			
75-715P600V0.033	715P33356LD3	0.033	1.30	.55	.719			
75-715P600V0.047	715P47356LD3	0.047	1.30	.60	.719			
75-715P600V0.068	715P68356LD3	0.068	1.30	.65	.719			
75-715P600V0.1	715P10456LD3	0.1	1.30	.75	.719			
75-715P600V0.15	715P15456MD3	0.15	1.70	.75	1.09			
75-715P600V0.22	715P22456MD3	0.22	1.70	.85	1.09			

800 VDC / 450 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions: in.			Price Each		
			L	D	S	1	25	100
75-715P800V0.0068	715P68258LD3	0.0068	1.30	.50	.719			
75-715P800V0.01	715P10358LD3	0.01	1.30	.50	.719			
75-715P800V0.015	715P15358LD3	0.015	1.30	.55	.719			
75-715P800V0.047	715P47358MD3	0.047	1.70	.70	1.09			
75-715P800V0.068	715P68358MD3	0.068	1.70	.80	1.09			
75-715P800V0.1	715P10458MD3	0.1	1.70	.90	1.09			

1200 VDC / 475 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions: in.			Price Each		
			L	D	S	1	25	100
75-715P1200V0.015	715P153512LD3	0.015	1.30	.65	.719			
75-715P1200V0.047	715P473512MD3	0.047	1.70	.85	1.09			

1600 VDC / 500 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions: in.			Price Each		
			L	D	S	1	25	100
75-715P1600V0.001	715P102516LD3	0.001	1.30	.50	.719			
75-715P1600V0.0022	715P222516LD3	0.0022	1.30	.50	.719			
75-715P1600V0.0033	715P332516LD3	0.0033	1.30	.55	.719			
75-715P1600V0.0047	715P472515LD3	0.0047	1.30	.60	.719			
75-715P1600V0.0068	715P682516LD3	0.0068	1.30	.65	.719			
75-715P1600V0.01	715P103516LD3	0.01	1.30	.70	.719			
75-715P1600V0.015	715P153516MD3	0.015	1.70	.75	1.09			
75-715P1600V0.022	715P223516MD3	0.022	1.70	.85	1.09			
75-715P1600V0.033	715P333516MD3	0.033	1.70	.95	1.09			

WIMA Polypropylene Capacitors



NEW AT MOUSER

Film Capacitors

Wima

NEW AT MOUSER

NEW AT MOUSER

RoHS Compliant This product is RoHS compliant.

WIMA DC-LINK MKP4

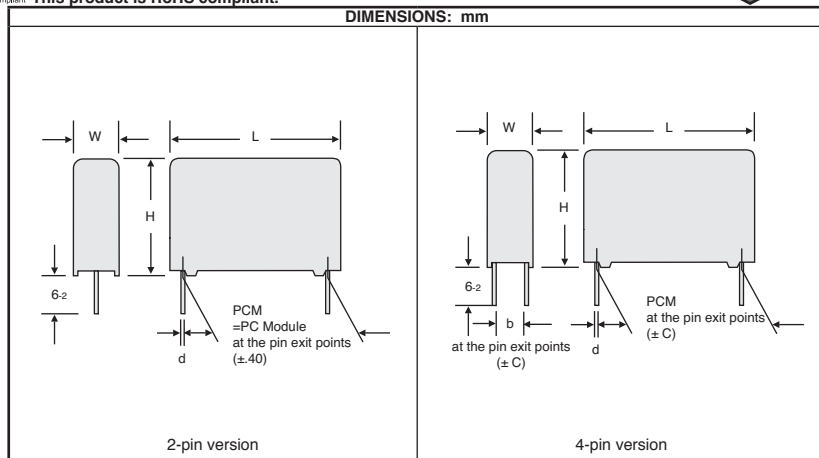
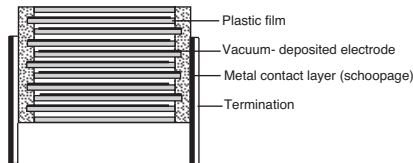
Metallized Polypropylene (PP) Capacitors for DC-Link Applications

Features:

- High volume/capacitance ratio
- Excellent self-healing properties
- Very low dissipation factor
- High reliability
- 2-pin and 4-pin contact configuration
- According to RoHS 2002/95/EC

Applications:

- As intermediate circuit capacitor e.g. in high power converter technology, power supplies, solar inverters etc.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc) 70°C/85°C	Value (µF)	No. of Pins	Dimensions (mm)			Lead Spacing (mm)	Price Each			
					W	H	L		1	10	25	50
505-DCP4-5/600/10L	DCP4I045006DD2KYSD	600/450	5	2	13	24	31.5	27.5				
505-DCP4-10/600/10L	DCP4I051006GD2KYSD	600/450	10	2	17	29	31.5	27.5				
505-DCP4-15/600/10L	DCP4I051506ID2KYSD	600/450	15	2	17	34.5	31.5	27.5				
505-DCP4-20/600/10L	DCP4I052006JD2KYSD	600/450	20	2	20	39.5	31.5	27.5				
505-DCP4-20/600/10L3	DCP4I052007GD2KYSD	600/450	20	2	20	39.5	41.5	37.5				
505-DCP4-20/600/10	DCP4I052007GD4KYSD	600/450	20	4	20	39.5	41.5	37.5				
505-DCP4-25/600/10L	DCP4I052507GD2KYSD	600/450	25	2	20	39.5	41.5	37.5				
505-DCP4-25/600/10	DCP4I052507GD4KYSD	600/450	25	4	20	39.5	41.5	37.5				
505-DCP4-45/600/10L	DCP4I054507ID2KYSD	600/450	45	2	31	46	41.5	37.5				
505-DCP4-45/600/10	DCP4I054507ID4KYSD	600/450	45	4	31	46	41.5	37.5				
505-DCP4-50/600/10L	DCP4I055007JD2KYSD	600/450	50	2	35	50	41.5	37.5				
505-DCP4-50/600/10	DCP4I055007JD4KYSD	600/450	50	4	35	50	41.5	37.5				
505-DCP4-75/600/10L	DCP4I057507KD2KYSD	600/450	75	2	40	55	41.5	37.5				
505-DCP4-75/600/10	DCP4I057507KD4KYSD	600/450	75	4	40	55	41.5	37.5				
505-DCP4-75/600/10L5	DCP4I057508AD2KYSD	600/450	75	2	35	50	57	52.5				
505-DCP4-100/600/10	DCP4I061008BD4KYSD	600/450	100	4	45	55	57	52.5				
505-DCP4-120/600/10	DCP4I061208CD4KSSD	600/450	120	4	45	65	57	52.5				
505-DCP4-150/600/10	DCP4I061508CD4KSSD	600/450	150	4	45	65	57	52.5				
505-DCP4-10/800/10L	DCP4L051006ID2KYSD	800/700	10	2	17	34.5	31.5	27.5				
505-DCP4-15/800/10L	DCP4L051506JD2KYSD	800/700	15	2	20	39.5	31.5	27.5				
505-DCP4-15/800/10L3	DCP4L051507GD2KYSD	800/700	15	2	20	39.5	41.5	37.5				
505-DCP4-15/800/10	DCP4L051507GD4KYSD	800/700	15	4	20	39.5	41.5	37.5				
505-DCP4-20/800/10L	DCP4L052007GD2KYSD	800/700	20	2	20	39.5	41.5	37.5				
505-DCP4-20/800/10	DCP4L052007GD4KYSD	800/700	20	4	20	39.5	41.5	37.5				
505-DCP4-35/800/10L	DCP4L053507ID2KYSD	800/700	35	2	31	46	41.5	37.5				
505-DCP4-35/800/10	DCP4L053507ID4KYSD	800/700	35	4	31	46	41.5	37.5				
505-DCP4-50/800/10L	DCP4L055007JD2KYSD	800/700	50	2	35	50	41.5	37.5				
505-DCP4-50/800/10	DCP4L055007JD4KYSD	800/700	50	4	35	50	41.5	37.5				
505-DCP4-65/800/10	DCP4L056508AD4KSSD	800/700	65	4	35	50	57	52.5				
505-DCP4-80/800/10	DCP4L058008BD4KSSD	800/700	80	4	45	55	57	52.5				
505-DCP4-100/800/10	DCP4L061008CD4KSSD	800/700	100	4	45	65	57	52.5				
505-DCP4-10/900/10L	DCP4N051006JD2KYSD	900/760	10	2	20	39.5	31.5	27.5				
505-DCP4-10/900/10L3	DCP4N051007GD2KYSD	900/760	10	2	20	39.5	41.5	27.5				
505-DCP4-10/900/10	DCP4N051007GD4KYSD	900/760	10	4	20	39.5	41.5	27.5				
505-DCP4-15/900/10L	DCP4N051507GD2KYSD	900/760	15	2	20	39.5	41.5	37.5				
505-DCP4-15/900/10	DCP4N051507GD4KYSD	900/760	15	4	20	39.5	41.5	37.5				
505-DCP4-25/900/10L	DCP4N052507ID2KYSD	900/760	25	2	31	46	41.5	37.5				
505-DCP4-25/900/10	DCP4N052507ID4KYSD	900/760	25	4	31	46	41.5	37.5				
505-DCP4-40/900/10L	DCP4N054007KD2KYSD	900/760	40	2	40	55	41.5	37.5				
505-DCP4-40/900/10	DCP4N054007KD4KYSD	900/760	40	4	40	55	41.5	37.5				
505-DCP4-55/900/10	DCP4N055508BD4KSSD	900/760	55	4	45	55	57	52.5				
505-DCP4-70/900/10	DCP4N057008CD4KSSD	900/760	70	4	45	65	57	52.5				
505-DCP4-5/1100/10L	DCP4P045006ID2KYSD	1100/920	5	2	17	34.5	31.5	27.5				
505-DCP4-10/1100/10L	DCP4P051007GD2KYSD	1100/920	10	2	20	39.5	41.5	27.5				
505-DCP4-10/1100/10	DCP4P051007GD4KYSD	1100/920	10	4	20	39.5	41.5	27.5				
505-DCP4-15/1100/10L	DCP4P051507ID2KYSD	1100/920	15	2	31	46	41.5	37.5				
505-DCP4-15/1100/10	DCP4P051507ID4KYSD	1100/920	15	4	31	46	41.5	37.5				
505-DCP4-30/1100/10	DCP4P053008AD4KSSD	1100/920	30	4	35	50	57	52.5				
505-DCP4-45/1100/10	DCP4P054508BD4KSSD	1100/920	45	4	45	55	57	52.5				
505-DCP4-5/1300/10L	DCP4R245006JD2KYSD	1300/1100	5	2	20	39.5	31.5	27.5				
505-DCP4-5/1300/10L3	DCP4R245007GD2KYSD	1300/1100	5	2	20	39.5	41.5	27.5				
505-DCP4-5/1300/10	DCP4R245007GD4KYSD	1300/1100	5	4	20	39.5	41.5	27.5				
505-DCP4-10/1300/10	DCP4R251007HD4KYSD	1300/1100	10	4	24	45.5	41.5	37.5				
505-DCP4-25/1300/10	DCP4R252508AD4KSSD	1300/1100	25	4	35	50	57	52.5				

WIMA Film Capacitors



RoHS Compliant This product is RoHS compliant.



METALLIZED POLYPROPYLENE (PP) CAPACITORS FOR DC-LINK APPLICATIONS

DC-LINK MKP5

Features:

- Very high volume/capacitance ratio
- Self-healing properties
- Cylindrical plastic case for PCB mounting
- Dry construction without electrolyte or oil
- No internal fuse required
- Negative capacitance change versus temperature
- Very low dielectric absorption

Applications:

- Wind Power Systems
- Inverters



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wima Part No.	Fig.	Value (µF)	Voltage Rating	ESR (mΩ)	Ripple Current (A)	Case Length (mm)	Price Each		
								1	10	50
505-DCP5-85/500/10	DCP5H15850D000KS00	A	85	500 V	2	35	57			
505-DCP5-195/500/10	DCP5H16195D100KS00	A	195	500 V	3.4	32	95			
505-DCP5-260/500/10	DCP5H16260D200KS00	A	260	500 V	5.2	30	120			
505-DCP5-59/700/10	DCP5K05590D000KS00	A	59	700 V	1.9	35	57			
505-DCP5-143/700/10	DCP5K06143D100KS00	A	143	700 V	3.5	32	95			
505-DCP5-190/700/10	DCP5K06190D200KS00	A	190	700 V	4.7	30	120			
505-DCP5-53/900/10	DCP5N05530D000KS00	A	53	900 V	2.3	35	57			
505-DCP5-114/900/10	DCP5N06114D100KS00	A	114	900 V	4.2	32	95			
505-DCP5-158/900/10	DCP5N06158D200KS00	A	158	900 V	6	30	120			
505-DCP5-30/1100/10	DCP5P05300D000KS00	A	30	1.1 KV	2.8	35	57			
505-DCP5-72/1100/10	DCP5P05720D100KS00	A	72	1.1 KV	4.5	32	95			
505-DCP5-100/1100/10	DCP5P06100D200KS00	A	100	1.1 KV	6.1	30	120			
505-DCP5-16/1300/10	DCP5R25160D000KS00	A	16	1.3 KV	3	35	57			
505-DCP5-40/1300/10	DCP5R25400D100KS00	A	40	1.3 KV	5.7	32	95			
505-DCP5-55/1300/10	DCP5R25550D200KS00	A	55	1.3 KV	7.7	30	120			

DC-LINK MKP6

Features:

- Very high volume/capacitance ratio
- Self-healing properties
- Cylindrical aluminium case for bus bar mounting
- Dry construction without electrolyte or oil
- No internal fuse required
- Negative capacitance change versus temperature
- Very low dielectric absorption

Applications:

- Wind Power Systems
- Inverters

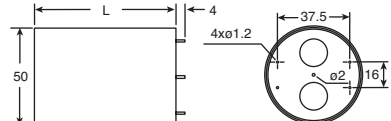
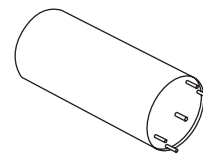


For quantities greater than listed, call for quote.

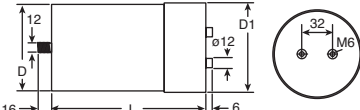
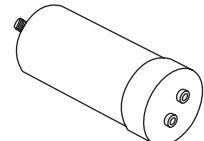
MOUSER STOCK NO.	Wima Part No.	Fig.	Value (µF)	Voltage Rating	ESR (mΩ)	Case Length (mm)	Price Each		
							1	10	50
505-DCP6-780/600/10	DCP6I06780E000KS00	B	780	600 V	1.6	120			
505-DCP6-585/700/10	DCP6K06585E000KS00	B	585	700 V	1.7	120			
505-DCP6-480/900/10	DCP6N06480E000KS00	B	480	900 V	1.7	120			
505-DCP6-550/900/10	DCP6N06550E100KS00	B	550	900 V	1.8	132			
505-DCP6-900/900/10	DCP6N06900E200KS00	B	900	900 V	1.5	210			
505-DCP6-215/1300/10	DCP6R26215E000KS00	B	215	1.3 KV	1.8	120			
505-DCP6-270/1300/10	DCP6R26270E100KS00	B	270	1.3 KV	2.4	132			
505-DCP6-430/1300/10	DCP6R26430E200KS00	B	430	1.3 KV	1.5	210			

DIMENSIONS: mm

A

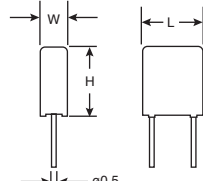


B



D	D1	L
85	86	120
85	86	132
85	86	210

C



FKS2 SERIES FILM/FOIL POLYESTER

Specifications:

- Temperature Range: - 55° C to + 100° C
- Dielectric: Polyethylene-terephthalate film
- Capacitor Electrodes: Metal foil film
- Encapsulation: Flame retardant case, UL 94 V-0
- Termination: Tinned wire

Features:

- Pulse duty construction

Applications:

- Coupling
- Decoupling

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wima Part No.	Fig.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: mm			Lead Spacing (mm)	Price Each			
						W	H	L		1	10	100	500
505-FKS21000/100/10	FKS2-1000/100/10	C	100/63	1000	10%	2.5	6.5	7.2	5				
505-FKS21500/100/10	FKS2-1500/100/10	C	100/63	1500	10%	2.5	6.5	7.2	5				
505-FKS22200/100/10	FKS2-2200/100/10	C	100/63	2200	10%	2.5	6.5	7.2	5				
505-FKS23300/100/10	FKS2-3300/100/10	C	100/63	3300	10%	2.5	6.5	7.2	5				
505-FKS24700/100/10	FKS2-4700/100/10	C	100/63	4700	10%	2.5	6.5	7.2	5				
505-FKS26800/100/10	FKS2-6800/100/10	C	100/63	6800	10%	2.5	6.5	7.2	5				



FKP SERIES FILM/FOIL POLYPROPYLENE IGBT SNUBBER CAPACITORS

Specifications:

- Temperature Range: - 55° C to + 100° C
- Dielectric: Polypropylene film
- Capacitor Electrodes: Aluminum foil and metallized plastic film
- Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:

- Low inductive construction achieved with end-surface contacts
- Internally series connected
- Self-healing construction

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wima Part No.	Fig.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: mm			Lead Spacing (mm)	Price Each		
						W	H	L		1	10	100
505-SF2.2/630/5A1	FKP-2.2/630/5A1	D	630/400	2.2	5%	27	37.5	56				
505-SF0.1/1000/5A1	FKP-.1/1000/5A1	D	1000/600	0.1	5%	11	22	41.5				
505-SF1.0/1000/5A1	FKP-1.0/1000/5A1	D	1000/600	1	5%	27	37.5	56				
505-SF0.047/1600/5A1	FKP-.047/1600/5A1	D	1600/650	0.047	5%	11	22	41.5				
505-SF0.1/1600/5A1	FKP-.1/1600/5A1	D	1600/650	0.1	5%	17	29	41.5				
505-SF0.47/1600/5A1	FKP-.47/1600/5A1	D	1600/650	0.47	5%	27	37.5	56				
505-SF0.1/2000/5A1	FKP-.1/2000/5A1	D	2000/700	0.1	5%	17	29	41.5				
505-SF0.47/2000/5A1	FKP-.47/2000/5A1	D	2000/700	0.47	5%	27	37.5	56				



MKP SERIES METALLIZED POLYPROPYLENE IGBT SNUBBER CAPACITORS

Specifications:

- Temperature Range: - 55° C to + 100° C
- Dielectric: Polypropylene film
- Capacitor Electrodes: Double-sided metallized plastic film
- Encapsulation: Flame retardant plastic case, UL 94 V-0

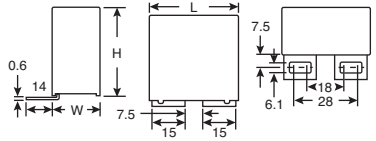
Features:

- Low inductive construction achieved with end-surface contacts
- Double-sided metallization for high pulse ratings
- Internally series connected
- Self-healing construction

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wima Part No.	Fig.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: mm			Lead Spacing (mm)	Price Each		
						W	H	L		1	10	100
505-SM1.0/630/5A1	MKP-1.0/630/5A1	D	630/400	1	5%	17	29	31.5				
505-SM2.2/630/5A1	MKP-2.2/630/5A1L41.5	D	630/400	2.2	5%	20	39.5	41.5				
505-SM0.47/1000/5A1	MKP-.47/1000/5A1	D	1000/600	0.47	5%	17	29	31.5				
505-SM2.2/1000/5A1	MKP-2.2/1000/5A1L41.5	D	1000/600	2.2	5%	31	46	41.5				
505-SM0.47/1600/5A1	MKP-.47/1600/5A1	D	1600/650	0.47	5%	19	32	41.5				
505-SM1.0/1600/5A1	MKP-1.0/1600/5A1L41.5	D	1600/650	1	5%	24	45.5	41.5				
505-SM2.2/1600/5A1	MKP-2.2/1600/5A1	D	1600/650	2.2	5%	33	48	56				
505-SM0.1/2000/5A1	MKP-.1/2000/5A1	D	2000/700	0.1	5%	13	24	31.5				
505-SM0.22/2000/5A1	MKP-.22/2000/5A1	D	2000/700	0.22	5%	17	34.5	31.5				
505-SM1.0/2000/5A1	MKP-1.0/2000/5A1	D	2000/700	1	5%	33	48	56				

D



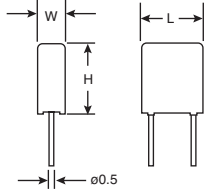
WIMA Radial Lead Film Capacitors



MKS4 SERIES METALIZED POLYESTER

RoHS Compliant This product is RoHS compliant.

For quantities greater than listed, call for quote.



Specifications:

- Temperature Range: - 55°C to + 100°C
- Dielectric: Polyethylene-terephthalate film
- Capacitor Electrodes: vacuum-deposited
- Encapsulation: Flame retardant plastic case, UL94V-0
- Termination: Tinned wire

Features:

- Self Healing capability
- High volume/capacitance ratio

Applications:

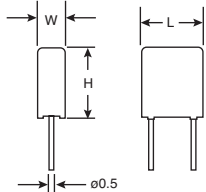
- By-pass
- Blocking
- Coupling and decoupling
- Timing

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: in.			Lead Spacing (mm)	Price Each			
					W	H	L		1	10	100	500
505-MKS4.01/100/10	MKS4-.01/100/10	100/63	0.01	10%	2.5	7	10	7.5				
505-MKS4.01/100/10P	MKS4-.01/100/10P10	100/63	0.01	10%	4	9	13	10				
505-MKS4.015/100/10	MKS4-.015/100/10	100/63	0.015	10%	2.5	7	10	7.5				
505-MKS4.015/100/10P	MKS4-.015/100/10P10	100/63	0.015	10%	4	9	13	10				
505-MKS4.022/100/10	MKS4-.022/100/10	100/63	0.022	10%	2.5	7	10	7.5				
505-MKS4.022/100/10P	MKS4-.022/100/10P10	100/63	0.022	10%	4	9	13	10				
505-MKS4.033/100/10	MKS4-.033/100/10	100/63	0.033	10%	2.5	7	10	7.5				
505-MKS4.033/100/10P	MKS4-.033/100/10P10	100/63	0.033	10%	4	9	13	10				
505-MKS4.047/100/10	MKS4-.047/100/10	100/63	0.047	10%	2.5	7	10	7.5				
505-MKS4.047/100/10P	MKS4-.047/100/10P10	100/63	0.047	10%	4	9	13	10				
505-MKS4.068/100/10	MKS4-.068/100/10	100/63	0.068	10%	2.5	7	10	7.5				
505-MKS4.068/100/10P	MKS4-.068/100/10P10	100/63	0.068	10%	4	9	13	10				
505-MKS4.1/100/10	MKS4-.1/100/10	100/63	0.1	10%	2.5	7	10	7.5				
505-MKS4.1/100/10P	MKS4-.1/100/10P10	100/63	0.1	10%	4	9	13	10				
505-MKS4.15/100/10	MKS4-.15/100/10	100/63	0.15	10%	3	8.5	10	7.5				
505-MKS4.15/100/10P	MKS4-.15/100/10P10	100/63	0.15	10%	4	9	13	10				
505-MKS4.22/100/10	MKS4-.22/100/10	100/63	0.22	10%	3	8.5	10	7.5				
505-MKS4.22/100/10P	MKS4-.22/100/10P10	100/63	0.22	10%	4	9	13	10				
505-MKS4.33/100/10	MKS4-.33/100/10	100/63	0.33	10%	4	9	10	7.5				
505-MKS4.33/100/10P	MKS4-.33/100/10P10	100/63	0.33	10%	4	9	13	10				
505-MKS4.47/100/10	MKS4-.47/100/10	100/63	0.47	10%	4.5	9.5	10.3	7.5				
505-MKS4.47/100/10P	MKS4-.47/100/10P10	100/63	0.47	10%	4	9	13	10				
505-MKS4.68/100/10	MKS4-.68/100/10	100/63	0.68	10%	5	10.5	10.3	7.5				
505-MKS4.68/100/10P	MKS4-.68/100/10P10	100/63	0.68	10%	4	9	13	10				
505-MKS41.0/100/10	MKS4-1.0/100/10	100/63	1.0	10%	5.7	12.5	10.3	7.5				
505-MKS41.0/100/10P	MKS4-1.0/100/10P10	100/63	1.0	10%	5	11	13	10				
505-MKS4.01/630/10	MKS4-.01/630/10	630/400	0.01	10%	3	8.5	10	7.5				
505-MKS4.01/630/10P	MKS4-.01/630/10P10	630/400	0.01	10%	4	9	13	10				
505-MKS4.015/630/10	MKS4-.015/630/10	630/400	0.015	10%	4	9	10	7.5				
505-MKS4.015/630/10P	MKS4-.015/630/10P10	630/400	0.015	10%	4	9	13	10				
505-MKS4.022/630/10	MKS4-.022/630/10	630/400	0.022	10%	4.5	9.5	10.3	7.5				
505-MKS4.022/630/10P	MKS4-.022/630/10P10	630/400	0.022	10%	4	9	13	10				
505-MKS4.033/630/10	MKS4-.033/630/10	630/400	0.033	10%	5	10.5	10.3	7.5				
505-MKS4.033/630/10P	MKS4-.033/630/10P10	630/400	0.033	10%	5	11	13	10				
505-MKS4.047/630/10	MKS4-.047/630/10	630/400	0.047	10%	5.7	12.5	10.3	7.5				
505-MKS4.047/630/10P	MKS4-.047/630/10P10	630/400	0.047	10%	6	12	13	10				
505-MKS4.068/630/10	MKS4-.068/630/10	630/400	0.068	10%	6	12	13	10				
505-MKS4.068/630/10P	MKS4-.068/630/10P15	630/400	0.068	10%	5	11	18	15				
505-MKS4.1/630/10	MKS4-.1/630/10	630/400	0.1	10%	6	12.5	18	15				
505-MKS4.1/630/10P	MKS4-.1/630/10P22	630/400	0.1	10%	6	15	26.5	22.5				

Film Capacitors
Wima



MKP4 SERIES METALIZED POLYPROPYLENE



Specifications:

- Temperature Range: - 55°C to + 100°C
- Dielectric: Polypropylene film
- Capacitor Electrodes: vacuum-deposited
- Encapsulation: Flame retardant plastic case, UL94V-0

Features:

- Self Healing capability
- Very low dissipation factor
- Negative capacitance change versus temperature

Applications:

- Sample and hold
- Timing
- High frequency Coupling and decoupling
- Oscillating circuits

For quantities greater than listed, call for quote.

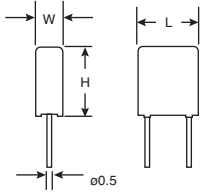
MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: in.			Lead Spacing (mm)	Price Each			
					W	H	L		1	10	100	500
505-MKP4.1/250/10	MKP4-0.1/250/10	250/160	0.1	10%	4.5	9.5	10.3	7.5				
505-MKP4.1/250/10P	MKP4-0.1/250/10P10	250/160	0.1	10%	4	9	13	10				
505-MKP4.15/250/10	MKP4-0.15/250/10	250/160	0.15	10%	5	10.5	10.3	7.5				
505-MKP4.15/250/10P	MKP4-0.15/250/10P10	250/160	0.15	10%	5	11	13	10				
505-MKP4.22/250/10	MKP4-0.22/250/10	250/160	0.22	10%	6	12.5	13	10				
505-MKP4.22/250/10P	MKP4-0.22/250/10P15	250/160	0.22	10%	5	11	18	15				
505-MKP4.33/250/10	MKP4-0.33/250/10	250/160	0.33	10%	6	12.5	18	15				
505-MKP4.47/250/10	MKP4-0.47/250/10	250/160	0.47	10%	7	14	18	15				
505-MKP4.68/250/10	MKP4-0.68/250/10	250/160	0.68	10%	8	15	18	15				
505-MKP4.68/250/10P	MKP4-0.68/250/10P	250/160	0.68	10%	6	15	26.5	22.5				
505-MKP41.0/250/10	MKP4-1.0/250/10	250/160	1.0	10%	7	16.5	26.5	22.5				
505-MKP4.022/400/10	MKP4-0.022/400/10	400/200	0.022	10%	4	9	10	7.5				
505-MKP4.022/400/10P	MKP4-0.022/400/10P	400/200	0.022	10%	4	9	13	10				
505-MKP4.033/400/10	MKP4-0.033/400/10	400/200	0.033	10%	4.5	9.5	10.3	7.5				
505-MKP4.033/400/10P	MKP4-0.033/400/10P	400/200	0.033	10%	4	9	13	10				
505-MKP4.047/400/10	MKP4-0.047/400/10	400/200	0.047	10%	5	10.5	10.3	7.5				
505-MKP4.047/400/10P	MKP4-0.047/400/10P	400/200	0.047	10%	4	9	13	10				
505-MKP4.068/400/10	MKP4-0.068/400/10	400/200	0.068	10%	5.7	12.5	10.3	7.5				
505-MKP4.068/400/10P	MKP4-0.068/400/10P	400/200	0.068	10%	5	11	13	10				
505-MKP4.01/630/10	MKP4-0.01/630/10	630/280	0.01	10%	3	8.5	10	7.5				
505-MKP4.01/630/10P	MKP4-0.01/630/10P	630/280	0.01	10%	4	9	13	10				
505-MKP4.015/630/10	MKP4-0.015/630/10	630/280	0.015	10%	3	8.5	10	7.5				
505-MKP4.015/630/10P	MKP4-0.015/630/10P	630/280	0.015	10%	4	9	13	10				

WIMA Radial Lead Film Capacitors



MKP2 SERIES METALIZED POLYPROPYLENE

RoHS Compliant This product is RoHS compliant.



RoHS Compliant

Specifications:

- Temperature Range: -55°C to +100°C
- Dielectric: Polypropylene film
- Capacitor Electrodes: Metalized plastic film
- Encapsulation: Flame retardant plastic case, UL 94V-0

Features:

- For high frequency applications
- Suited for "sample & hold" circuits
- Stable negative TC
- Low ESR

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: in.			Lead Spacing (mm)	Price Each			
					W	H	L		1	10	100	500
505-MKP20.01/100/5	MKP2 0.01/100/5	100/63	0.01	5%	2.5	6.5	7.2	5.0				
505-MKP20.022/100/5	MKP2 0.022/100/5	100/63	0.022	5%	3	7.5	7.2	5.0				
505-MKP20.033/100/5	MKP2 0.033/100/5	100/63	0.033	5%	3	7.5	7.2	5.0				
505-MKP20.047/100/5	MKP2 0.047/100/5	100/63	0.047	5%	3.5	8.5	7.2	5.0				
505-MKP20.1/100/5	MKP2 0.1/100/5	100/63	0.1	5%	5	10	7.2	5.0				
505-MKP2.1/100/10	MKP2-.1/100/10	100/63	0.1	10%	5	10	7.2	5.0				
505-MKP20.15/100/5	MKP2 0.15/100/5	100/63	0.15	5%	7.2	13	7.2	5.0				
505-MKP20.22/100/5	MKP2 0.22/100/5	100/63	0.22	5%	7.2	13	7.2	5.0				
505-MKP20.33/100/5	MKP2 0.33/100/5	100/63	0.33	5%	8.5	14	7.2	5.0				
505-MKP20.01/250/5	MKP2 0.01/250/5	250/160	0.01	5%	2.5	6.5	7.2	5.0				
505-MKP20.022/250/5	MKP2 0.022/250/5	250/160	0.022	5%	3	7.5	7.2	5.0				
505-MKP20.033/250/5	MKP2 0.033/250/5	250/160	0.033	5%	3	7.5	7.2	5.0				
505-MKP20.047/250/5	MKP20.047/250/5	250/160	0.047	5%	3.5	7.5	7.2	5.0				
505-MKP20.1/250/5	MKP20.1/250/5	250/160	0.1	5%	5	10	7.2	5.0				
505-MKP20.22/250/5	MKP2 0.22/250/5	250/160	0.22	5%	7.2	13	7.2	5.0				
505-MKP20.33/250/5	MKP2 0.33/250/5	250/160	0.33	5%	8.5	14	7.2	5.0				
505-MKP20.01/400/5	MKP20.01/400/5	400/200	0.01	5%	3.5	8.5	7.2	5.0				
505-MKP21000/630/10	MKP2 1000/630/10	630/250	0.001	10%	2.5	6.5	7.2	5.0				
505-MKP24700/630/5	MKP24700/630/5	630/250	0.0047	5%	3	7.5	7.2	5.0				

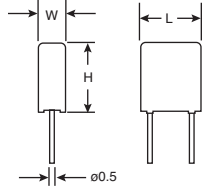
Film Capacitors

Wima



MKS2 SERIES METALIZED POLYESTER

For quantities greater than listed, call for quote.



RoHS Compliant

Specifications:

- Temperature Range: -55°C to +100°C
- Dielectric: Polyethylene-terephthalate film
- Capacitor Electrodes: Metalized plastic film
- Encapsulation: Flame retardant vacuum-deposited aluminum

Features:

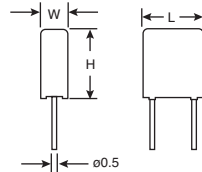
- Reservoir capacitor with unlimited life at high temperatures
- Ideally suited for wide temperature range applications

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: in.			Lead Spacing (mm)	Price Each			
					W	H	L		1	10	100	500
505-MKS21.5/50/10	MKS2-1.5/50/10	50/30	1.0	10%	3.5	8.5	7.2	5.0				
505-MKS21.5/50/10	MKS2-1.5/50/10	50/30	1.5	10%	4.5	9.5	7.2	5.0				
505-MKS22.2/50/5	MKS2-2.2/50/10	50/30	2.2	5%	5.0	10.0	7.2	5.0				
505-MKS22.2/50/10	MKS2-2.2/50/10	50/30	2.2	10%	5	10	7.2	5.0				
505-MKS23.3/50/10	MKS2-3.3/50/10	50/30	3.3	10%	5.5	11.5	7.2	5.0				
505-MKS2-4.7/50/10	MKS2-4.7/50/10	50/30	4.7	10%	7.2	13	7.2	5.0				
505-MKS2.01/63/10	MKS2-.01/63/10	63/40	0.01	10%	2.5	6.5	7.2	5.0				
505-MKS20.01/63/5	MKS20-.01/63/5	63/40	0.01	5%	2.5	6.5	7.2	5.0				
505-MKS2.022/63/10	MKS2-.022/63/10	63/40	0.022	10%	2.5	6.5	7.2	5.0				
505-MKS20.022/63/5	MKS20-.022/63/5	63/40	0.022	5%	2.5	6.5	7.2	5.0				
505-MKS2.033/63/10	MKS20-.033/63/10	63/40	0.033	10%	2.5	6.5	7.2	5.0				
505-MKS2.047/63/10	MKS20-.047/63/10	63/40	0.047	10%	2.5	6.5	7.2	5.0				
505-MKS20.047/63/5	MKS20-.047/63/5	63/40	0.047	5%	2.5	6.5	7.2	5.0				
505-MKS2.068/63/10	MKS20-.068/63/10	63/40	0.068	10%	2.5	6.5	7.2	5.0				
505-MKS20.068/63/5	MKS20-.068/63/5	63/40	0.068	5%	2.5	6.5	7.2	5.0				
505-MKS2.1/63/10	MKS2-.1/63/10	63/40	0.1	10%	2.5	6.5	7.2	5.0				
505-MKS2.1/63/5	MKS2-.1/63/5	63/40	0.1	5%	2.5	6.5	7.2	5.0				
505-MKS20.15/63/5	MKS2-.15/63/5	63/40	0.15	5%	2.5	6.5	7.2	5.0				
505-MKS2.15/63/10	MKS2-.15/63/10	63/40	0.15	10%	2.5	6.5	7.2	5.0				
505-MKS20.22/63/10	MKS20-.22/63/10	63/40	0.22	10%	3	7.5	7.2	5.0				
505-MKS20.22/63/5	MKS20-.22/63/5	63/40	0.22	5%	3	7.5	7.2	5.0				
505-MKS20.33/63/5	MKS2-.33/63/5	63/40	0.33	5%	3.5	8.5	7.2	5.0				
505-MKS2.33/63/10	MKS2-.33/63/10	63/40	0.33	10%	3.5	8.5	7.2	5.0				
505-MKS2.47/63/10	MKS2-.47/63/10	63/40	0.47	10%	4.5	9.5	7.2	5.0				
505-MKS20.47/63/5	MKS20-.47/63/5	63/40	0.47	5%	4.5	9.5	7.2	5.0				
505-MKS2.68/63/10	MKS2-.68/63/10	63/40	0.68	10%	4.5	9.5	7.2	5.0				
505-MKS21.0/63/10	MKS2-1.0/63/10	63/40	1.0	10%	5	10	7.2	5.0				
505-MKS21.0/63/5	MKS2-1.0/63/5	63/40	1.0	5%	5	10	7.2	5.0				
505-MKS21.5/63/5	MKS2-1.5/63/5	63/40	1.5	5%	5.5	11.5	7.2	5.0				
505-MKS22.2/63/5	MKS2-2.2/63/5	63/40	2.2	5%	7.2	13.0	7.2	5.0				
505-MKS2.01/100/5	MKS2-.01/100/5	100/63	0.01	5%	2.5	6.5	7.2	5.0				
505-MKS2.01/100/10	MKS2-.01/100/10	100/63	0.01	10%	2.5	6.5	7.2	5.0				
505-MKS2.1/100/10	MKS2-.1/100/10	100/63	0.1	10%	3	7.5	7.2	5.0				
505-MKS2.22/100/10	MKS2-.22/100/10	100/63	0.22	10%	3.5	8.5	7.2	5.0				
505-MKS21/100/10	MKS2-1/100/10	100/63	1.0	10%	7.2	13.0	7.2	5.0				



FKP2 SERIES FILM/FOIL POLYPROPYLENE

For quantities greater than listed, call for quote.



RoHS Compliant

Specifications:

- Temperature Range: -55°C to +100°C
- Dielectric: Polypropylene film
- Capacitor Electrodes: Metal foil film
- Encapsulation: Flame retardant plastic case, UL 94V-0

Features:

- Pulse applications with high repetition frequency
- Suited for replacement of polystyrene capacitors in audio and HF applications

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: in.			Lead Spacing (mm)	Price Each			
					W	H	L		1	10	100	500
505-FKP24700/63/2.5	FKP2-4700/63/2.5	63/40	0.0047	2.5%	4.5	6	7.2	5.0				
505-FKP26800/63/2.5	FKP2-6800/63/2.5	63/40	0.0068	2.5%	4.5	6.0	7.2	5.0				
505-FKP20.01/63/5	FKP2-01/63/5	63/40	0.01	5.0%	5.5	7	7.2	5.0				
505-FKP20.01/63/2.5	FKP2-.01/63/2.5	63/40	0.01	2.5%	5.5	7	7.2	5.0				
505-FKP20.01/63/1	FKP2-01/63/1	63/40	0.01	1.0%	5.5	7	7.2	5.0				
505-FKP20.022/63/2.5	FKP2-.022/63/2.5	63/40	0.022	2.5%	7.2	8.5	7.2	5.0				
505-FKP2100/100/2.5	FKP2-100/100/2.5	100/63	100pF	2.5%	4.5	6.0	7.2	5.0				
505-FKP2100/100/5	FKP2-100/100/5	100/63	100pF	5.0%	4.5	6	7.2	5.0				
505-FKP2150/100/2.5	FKP2-150/100/2.5	100/63	150pF	2.5%	4.5	6	7.2	5.0				
505-FKP2220/100/2.5	FKP2-220/100/2.5	100/63	220pF	2.5%	4.5	6	7.2	5.0				
505-FKP2330/100/5	FKP2-330/100/5	100/63	330pF	5.0%	4.5	6	7.2	5.0				
505-FKP2470/100/2.5	FKP2-470/100/2.5	100/63	470pF	2.5%	4.5	6	7.2	5.0				
505-FKP2470/100/5	FKP2-470/100/5	100/63	470pF	5%	4.5	6.0	7.2	5.0				
505-FKP2680/100/2.5	FKP2-680/100/2.5	100/63	680pF	2.5%	4.5	6	7.2	5.0				
505-FKP21000/100/5	FKP2-1000/100/5	100/63	0.001	5.0%	4.5	6	7.2	5.0				
505-FKP21000/100/2.5	FKP2-1000/100/2.5	100/63	0.001	2.5%	4.5	6	7.2	5.0				
505-FKP21500/100/2.5	FKP2-1500/100/2.5	100/63	0.0015	2.5%	4.5	6	7.2	5.0				
505-FKP22200/100/2.5	FKP2-2200/100/2.5	100/63	0.0022	2.5%	4.5	6	7.2	5.0				
505-FKP22200/100/5	FKP2-2200/100/5	100/63	0.0022	5%	4.5	6.0	7.2	5.0				
505-FKP23300/100/2.5	FKP2-3300/100/2.5	100/63	0.0033	2.5%	5.5	7.0	7.2	5.0				
505-FKP24700/100/2.5	FKP2-4700/100/2.5	100/63	0.0047	2.5%	5.5	7	7.2	5.0				
505-FKP20.01/100/2.5	FKP2-.01/100/2.5	100/63	0.01	2.5%	6.5	8	7.2	5.0				
505-FKP2470/250/5	FKP2-470/250/5	250/160	470pF	5%	4.5	6.0	7.2	5.0				

WIMA Pulse Duty Film Capacitors



MKP10 SERIES RADIAL LEAD METALLIZED POLYPROPYLENE FILM CAPACITORS

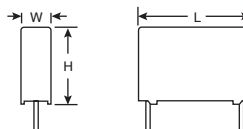
RoHS Compliant This product is RoHS compliant.

Specifications:

- Temperature Range: - 55°C to + 100°C
- Dielectric: Polypropylene film
- Capacitor Electrodes: Double sided metallized plastic film
- Encapsulation: Flame retardant plastic case, UL94V-0

Features:

- For SMPS, loudspeakers, lighting, monitors, and televisions
- Self-healing pulse duty construction



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: mm			Lead Spacing (mm)	Price Each			
					W	H	L		1	10	100	500
505-M10.1/250/10	MKP10-.1/250/10	250/180	0.1	10%	6	12	13	10				
505-M10.22/250/10	MKP10-.22/250/10	250/180	0.22	10%	7	14	18	15				
505-M10.047/400/10	MKP10-.047/400/10	400/250	0.047	10%	6	12	13	10				
505-M10.1/400/10	MKP10-.1/400/10	400/250	0.1	10%	7	14	18	15				
505-M10.22/400/20	MKP10-.22/400/20	400/250	0.22	20%	9	16	18	15				
505-M101/400/10	MKP10-1/400/10	400/250	1.0	10%	13	24	31.5	27.5				
505-M10.01/630/10	MKP10-.01/630/10	630/400	0.01	10%	5	10.5	10.3	7.5				
505-M10.22/630/5	MKP10-.22/630/5	630/400	0.22	5%	8.5	18.5	26.5	22.5				
505-M10.68/630/10	MKP10-.68/630/10	630/400	0.68	10%	15	26	31.5	27.5				
505-M10.01/1000/10	MKP10-.01/1KV/10	1000/600	0.01	10%	5	11	13	10				
505-M10.01/1000/10P	MKP10-.01/1KV/10P15	1000/600	0.01	10%	5	11	18	15				
505-M10.015/1000/10	MKP10-.015/1KV/10	1000/600	0.015	10%	6	12	13	10				
505-M10.015/1000/10P	MKP10-.015/1KV/10P15	1000/600	0.015	10%	5	11	18	15				
505-M10.022/1000/20	MKP10-.022/1000/20	1000/600	0.022	20%	6	12.5	18	15				
505-M10.022/1000/10	MKP10-.022/1KV/10	1000/600	0.022	10%	6	12.5	18	15				
505-M10.022/1000/10P	MKP10-.022/1000/10P22	1000/600	0.022	10%	16	15	26.5	22.5				
505-M10.033/1000/10	MKP10-.033/1KV/10	1000/600	0.033	10%	7	14	18	15				
505-M10.033/1000/10P	MKP10-.033/1KV/10P22	1000/600	0.033	10%	6	15	26.5	22.5				
505-M10.047/1000/10	MKP10-.047/1KV/10	1000/600	0.047	10%	8	15	18	15				
505-M10.047/1000/10P	MKP10-.047/1KV/10P22	1000/600	0.047	10%	6	15	26.5	22.5				
505-M100.047/1000/5	MKP10-.047/1000/5	1000/600	0.047	5%	8	15	18	15				
505-M10.068/1000/10	MKP10-.068/1KV/10	1000/600	0.068	10%	7	16.5	26.5	22.5				
505-M10.1/1000/10	MKP10-.1/1KV/10P22	1000/600	0.1	10%	8.5	18.5	26.5	22.5				
505-M10.1/1000/10P27	MKP10-.1/1KV/10P27	1000/600	0.1	10%	11	21	31.5	27.5				
505-M10.33/1000/10	MKP10-.33/1KV/10	1000/600	0.33	10%	15	26	31.5	27.5				
505-M101000/1600/10	MKP10-1000/1600/10	1600/650	0.001	10%	4	9	13	10				
505-M101500/1600/10	MKP10-1500/1600/10	1600/650	0.0015	10%	4	9	13	10				
505-M102200/1600/10	MKP10-2200/1600/10	1600/650	0.0022	10%	4	9	13	10				
505-M103300/1600/10	MKP10-3300/1600/10	1600/650	0.0033	10%	4	9	13	10				
505-M104700/1600/10	MKP10-4700/1600/10	1600/650	0.0047	10%	5	11	13	10				
505-M106800/1600/10	MKP10-6800/1600/10	1600/650	0.0068	10%	6	12	13	10				
505-M101000/2000/10	MKP10-1000/2000/10	2000/700	0.001	10%	4	9	13	10				
505-M100.01/2000/5	MKP10-.01/2000/5	2000/700	0.01	5%	7	14	18	15				



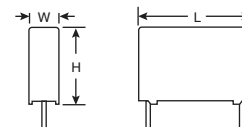
FKP1 SERIES RADIAL LEAD FILM/FOIL POLYPROPYLENE CAPACITORS

Specifications:

- Dielectric: Polypropylene film
- Temperature Range: - 55°C to + 100°C
- Capacitor Electrodes: Aluminum foil and double sided metallized plastic film
- Encapsulation: Flame retardant plastic case, UL94V-0

Applications:

- Damping and commutation capacitors in switch mode power supplies, static frequency changes in drive and power electronics, deflection systems in monitors and televisions.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: mm			Lead Spacing (mm)	Price Each			
					W	H	L		1	10	100	500
505-FKP1.01/400/5	FKP1-.01/400/5	400/250	0.01	5%	5	11	18	15				
505-FKP1.047/400/5	FKP1-.047/400/5	400/250	0.047	5%	7	16.5	26.5	22.5				
505-FKP1.1/400/5	FKP1-.1/400/5P22.5	400/250	0.1	5%	10.5	20.5	26.5	22.5				
505-FKP1.22/400/5	FKP1-.22/400/5	400/250	0.22	5%	13	24	31.5	27.5				
505-FKP14700/630/5	FKP1-4700/630/5	630/400	0.0047	5%	5	11	18	15				
505-FKP1.022/630/5	FKP1-.022/630/5	630/400	0.022	5%	7	16.5	26.5	22.5				
505-FKP16800/1000/5	FKP1-6800/1000/5	1000/600	0.0068	5%	7	14	18	15				
505-FKP11000/1250/10	FKP1-1000/1250/10	1250/600	1000pF	10%	5	11	18	15				
505-FKP11000/1250/5	FKP1-1000/1250/5	1250/600	1000pF	5%	5	11	18	15				
505-FKP11500/1250/10	FKP1-1500/1250/10	1250/600	1500pF	10%	5	11	18	15				
505-FKP12200/1250/10	FKP1-2200/1250/10	1250/600	2200pF	10%	5	11	18	15				
505-FKP13300/1250/10	FKP1-3300/1250/10	1250/600	3300pF	10%	6	12.5	18	15				
505-FKP14700/1250/10	FKP1-4700/1250/10	1250/600	4700pF	10%	7	14	18	15				
505-FKP16800/1250/10	FKP1-6800/1250/10	1250/600	6800pF	10%	8	15	18	15				
505-FKP1.01/1250/10	FKP1-.01/1250/10	1250/600	0.01	10%	7	16.5	26.5	22.5				
505-FKP1.01/1250/5	FKP1-.01/1250/5	1250/600	0.01	5%	7	16.5	26.5	22.5				
505-FKP1.015/1250/10	FKP1.015/1250/10	1250/600	0.015	10%	8.5	18.5	26.5	22.5				
505-FKP1.022/1250/10	FKP1.022/1250/10	1250/600	0.022	10%	10.5	20.5	26.5	22.5				
505-FKP1.033/1250/10	FKP1-.033/1250/10	1250/600	0.033	10%	11.0	21.0	31.5	27.5				
505-FKP1.047/1250/10	FKP1-.047/1250/10	1250/600	0.047	10%	13	24	31.5	27.5				
505-FKP10.047/1250/5	FKP1-.047/1250/5P27.5	1250/600	0.047	5%	13	24	31.5	27.5				
505-FKP1.1/1250/10	FKP1-.1/1250/10	1250/600	0.1	10%	15	26	41.5	37.5				
505-FKP1150/1600/5	FKP1-150/1600/5	1600/650	150pF	5%	5	11	18	15				
505-FKP1220/1600/5	FKP1-220/1600/5	1600/650	220pF	5%	5	11	18	15				
505-FKP1330/1600/5	FKP1-330/1600/5	1600/650	330pF	5%	5	11	18	15				
505-FKP1470/1600/5	FKP1-470/1600/5	1600/650	470pF	5%	5	11	18	15				
505-FKP1680/1600/5	FKP1-680/1600/5	1600/650	680pF	5%	5	11	18	15				
505-FKP1100/2000/10	FKP1-100/2000/10	2000/700	100pF	10%	5	11	18	15				
505-FKP1100/2000/5	FKP1-100/2000/5	2000/700	100pF	5%	5	11	18	15				
505-FKP1150/2000/10	FKP1-150/2000/10	2000/701	150pF	10%	5	11	18	15				
505-FKP1220/2000/10	FKP1-220/2000/10	2000/702	220pF	10%	5	11	18	15				
505-FKP1330/2000/10	FKP1-330/2000/10	2000/703	330pF	10%	6	12.5	18	15				
505-FKP1470/2000/10	FKP1-470/2000/10	2000/704	470pF	10%	6	12.5	18	15				
505-FKP1680/2000/10	FKP1-680/2000/10	2000/705	680pF	10%	6	12.5	18	15				
505-FKP14700/2000/5	FKP1-4700/2000/5	2000/700	0.0047	5%	8.5	18.5	26.5	22.5				
505-FKP1470/6000/5	FKP1-470/6000/5	6000/700	470pF	5%	5	14	26.5	22.5				
505-FKP10.022/6000/5	FKP1-.022/6000/5	6000/700	0.022	5%	17	29	41.5	37.5				

WIMA Pulse Duty Film Capacitors



FKP4 SERIES SELF HEALING PULSE FILM CAPACITORS



This product is RoHS compliant.



The WIMA FKP 4 is a range of self-healing film/foil Polypropylene capacitors made with a single metallized plastic film and metal foil electrodes in series connection. Due to its film/foil structure with metallized electrode carrier, this capacitor type is suitable for high current loads. The capacitor is constructed as a series connection, the current carrying electrodes consist of two metal foils and a metallized carrier film as a "floating electrode".

WIMA pulse capacitors are produced with the proven box technology using solvent-resistant, flame-retardant plastic cases according to UL94V-0.

Features:

- High pulse duty
- Self-healing
- Internal series connection
- Very low dissipation factor
- Negative capacitance change versus temperature

Specifications:

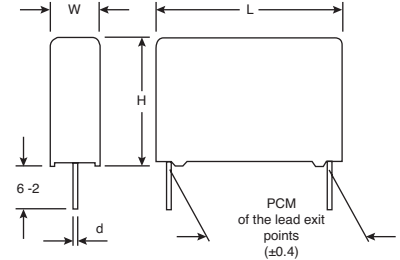
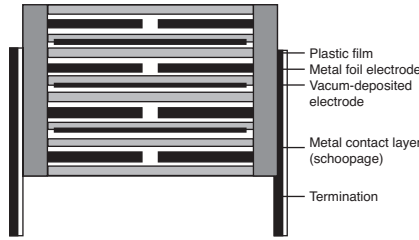
- Dielectric: Polypropylene film
- Temperature Range: -55°C to +100°C
- Capacitor electrodes: aluminum foil and single-sided metallized plastic film
- Encapsulation: flame retardant plastic case
- Tolerance: ±10%

Applications:

- Switch mode power supplies
- Converter in drives and power electronics
- Deflection systems in monitors and TV-sets
- Electronic ballasts
- Audio/video equipment



RoHS Compliant



od	PCM
0.8	15-27.5
1.0	37.5

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Dimensions: mm			Lead Spacing (mm)	Price Each			
				W	H	L		1	10	100	500
505-FKP42200/1KV/10	FKP4O112204B00KSSD	1000/400	2200pF	5	11	18	15				
505-FKP4.047/1KV/10	FKP4O124705F00KSSD	1000/400	0.047	8.5	18.5	26.5	22.5				
505-FKP4.1/1KV/10	FKP4O131006B00KSSD	1000/400	0.1	11	21	31.5	27.5				
505-FKP4.47/1KV/10	FKP4O134707F00KSSD	1000/400	0.47	19	32	41.5	37.5				
505-FKP41.0/1KV/10	FKP4O141007H00KSSD	1000/400	1.0	24	45.5	41.5	37.5				
505-FKP4470/1600/10	FKP4T004704B00KSSD	1600/500	470pF	5	11	18	15				
505-FKP41000/1600/10	FKP4T011004B00KSSD	1600/500	1000pF	5	11	18	15				
505-FKP41500/1600/10	FKP4T011504B00KSSD	1600/500	1500pF	5	11	18	15				
505-FKP42200/1600/10	FKP4T012204C00KSSD	1600/500	2200pF	6	12.5	18	15				
505-FKP43300/1600/10	FKP4T013304D00KSSD	1600/500	3300pF	7	14	18	15				
505-FKP44700/1600/10	FKP4T014704F00KSSD	1600/500	4700pF	8	15	18	15				
505-FKP4.01/1600/10	FKP4T021005B00KSSD	1600/500	0.01	6	15	26.5	22.5				
505-FKP4.015/1600/10	FKP4T021505F00KSSD	1600/500	0.015	8.5	18.5	26.5	22.5				
505-FKP4.022/1600/10	FKP4T022205H00KSSD	1600/500	0.022	10.5	19	26.5	22.5				
505-FKP4.047/1600/10	FKP4T024706D00KSSD	1600/500	0.047	13	24	31.5	27.5				
505-FKP4.068/1600/10	FKP4T026806F00KSSD	1600/500	0.068	15	26	31.5	27.5				
505-FKP4.1/1600/10	FKP4T031006I00KSSD	1600/500	0.1	17	34.5	31.5	27.5				
505-FKP4.15/1600/10	FKP4T031506J00KSSD	1600/500	0.15	20	39.5	31.5	27.5				
505-FKP4.22/1600/10	FKP4T032207F00KSSD	1600/500	0.22	19	32	41.5	37.5				
505-FKP4.33/1600/10	FKP4T033307G00KSSD	1600/500	0.33	20	39.5	41.5	37.5				
505-FKP4.47/1600/10	FKP4T034707H00KSSD	1600/500	0.47	24	45.5	41.5	37.5				
505-FKP4470/2KV/10	FKP4U004704B00KSSD	2000/550	470pF	5	11	18	15				
505-FKP41000/2KV/10	FKP4U011004B00KSSD	2000/550	1000pF	5	11	18	15				
505-FKP41500/2KV/10	FKP4U011504C00KSSD	2000/550	1500pF	6	12.5	18	15				
505-FKP42200/2KV/10	FKP4U012204D00KSSD	2000/550	2200pF	7	14	18	15				
505-FKP43300/2KV/10	FKP4U013304J00KSSD	2000/550	3300pF	9	16	18	15				
505-FKP44700/2KV/10	FKP4U014705D00KSSD	2000/550	4700pF	7	16.5	26.5	22.5				
505-FKP46800/2KV/10	FKP4U016805F00KSSD	2000/550	6800pF	8.5	18.5	26.5	22.5				
505-FKP4.01/2KV/10	FKP4U021005G00KSSD	2000/550	0.01	10.5	19	26.5	22.5				
505-FKP4.015/2KV/10	FKP4U021505I00KSSD	2000/550	0.015	11	21	26.5	22.5				
505-FKP4.022/2KV/10	FKP4U022206B00KSSD	2000/550	0.022	11	21	31.5	27.5				
505-FKP4.033/2KV/10	FKP4U023306D00KSSD	2000/550	0.033	13	24	31.5	27.5				
505-FKP4.047/2KV/10	FKP4U024706F00KSSD	2000/550	0.047	15	26	31.5	27.5				
505-FKP4.068/2KV/10	FKP4U026806I00KSSD	2000/550	0.068	17	34.5	31.5	27.5				
505-FKP4.1/2KV/10	FKP4U031007F00KSSD	2000/550	0.1	19	32	41.5	37.5				
505-FKP4.15/2KV/10	FKP4U031507H00KSSD	2000/550	0.15	24	45.5	41.5	37.5				

CORNELL DUBILIER RF MICA Chip Capacitors

MCH SERIES: HIGH VOLTAGE MAGNETIC

Features:

- No thermal cracking
- FR4 compatible and wave solderable
- Extremely high Q above 50MHz
- Excellent for tuning and impedance matching

Applications:

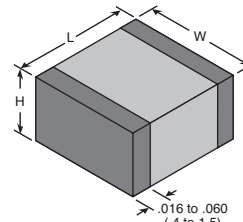
- RF Power Amplifiers
- MRI Generators
- Transmitters



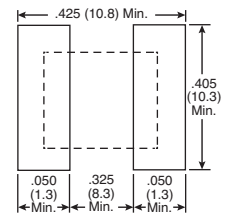
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type	Volt (DC)	Value (pF)	Tol. ±	Dimensions: in.			Price Each		
					L	W	H	1	10	100
598-MCH38FM100D	MCH38FM100D	4000	10	5%	0.38	0.38	0.08			
598-MCH38FM220J	MCH38FM220J	4000	22	5%	0.38	0.38	0.08			
598-MCH38FM470J	MCH38FM470J	4000	47	5%	0.38	0.38	0.12			
598-MCH38FM680J	MCH38FM680J	4000	68	5%	0.38	0.38	0.12			
598-MCH38FM101J	MCH38FM101J	4000	100	5%	0.38	0.38	0.16			
598-MCH38FK271J	MCH38FK271J	2500	270	5%	0.38	0.38	0.16			
598-MCH38FK331J	MCH38FK331J	2500	330	5%	0.38	0.38	0.16			
598-MCH38FK391J	MCH38FK391J	2500	390	5%	0.38	0.38	0.16			
598-MCH38FK471J	MCH38FK471J	2500	470	5%	0.38	0.38	0.16			
598-MCH38FK561J	MCH38FK561J	2500	560	5%	0.38	0.38	0.24			
598-MCH38FK681J	MCH38FK681J	2500	680	5%	0.38	0.38	0.24			



Soldering Pattern



Engineering Design Kits

DIMENSIONS: in. (mm)

MOUSER STOCK NO.	CDE Type	Description	Cap Range (pF)	Volt (DC)	Price Each	
					1	2
598-MCH4000VKIT10	MCH4000VKIT10	Multilayer High RF Power Capacitors, Kit includes 5 each of 10 values (50 capacitors)	10 -220	4000		
598-MCH2500VKIT8	MCH2500VKIT8	Multilayer High RF Power Capacitors, Kit includes 5 each of 8 values (40 capacitors)	270-1000	2500		

MC SERIES: HIGH POWER HV RF CHIP CAPACITORS

Specifications:

- Temperature range: -55°C to +125°C
- Insulation resistance: 100GΩ min.
- Pulse handling: dV/dt of 20,000V/μs
- Tight tolerances available
- Typical I_{RMS} > 8 Amps @ 100mHz
- Voltage: 100VDC, 500VDC, 1000VDC
- Capacitance Range: .5pF to 2200pF



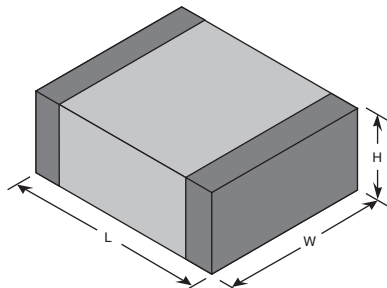
RoHS Compliant

Features:

- Low impedance to beyond 1GHz
- Near-zero capacitance change in all environments
- Withstands 200% rated voltage for up to 5 seconds
- Very High Q
- FREE from cracking / delaminating
- FR4 Compatible and wire solderable

Applications:

- CATV
- Flight Radio
- RF and Microwave
- Resonators
- Lasers



MC08 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type MC	Volt (DC)	Value (pF)	Tol. ±	Case Size: in.			Price Each		
					L	W	H	1	100	500
598-MC08CA020D-F	MC08CA020D-F	100	2	.5pF	.079	.049	.055			
598-MC08CA030D-F	MC08CA030D-F	100	3	.5pF	.079	.049	.055			
5982-08-100V5.0-F	MC08CA050D-F	100	5	.5pF	.079	.049	.055			
5982-08-100V10-F	MC08CA100D-F	100	10	.5pF	.079	.049	.055			
5982-08-100V15-F	MC08EA150J-F	100	15	5%	.079	.049	.055			
5982-08-100V22-F	MC08EA220J-F	100	22	5%	.079	.049	.055			
5982-08-100V27-F	MC08EA270J-F	100	27	5%	.079	.049	.055			

MC12 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type MC	Volt (DC)	Value (pF)	Tol. ±	Case Size: in.			Price Each		
					L	W	H	1	100	500
5982-12-100V100-F	MC12FA101J-F	100	100	5%	.126	.098	.079			
598-MC12FA151J-F	MC12FA151J-F	100	150	5%	.126	.098	.079			
5982-12-100V220-F	MC12FA221J-F	100	220	5%	.126	.098	.079			
598-MC12FA241J-F	MC12FA241J-F	100	240	5%	.126	.098	.079			
5982-12-500V5.0-F	MC12CD050D-F	500	5	.5pF	.126	.098	.079			
5982-12-500V10-F	MC12CD100D-F	500	10	.5pF	.126	.098	.079			
5982-12-500V15-F	MC12ED150J-F	500	15	5%	.126	.098	.079			
598-MC12FD330J-F	MC12FD330J-F	500	33	5%	.126	.098	.079			
5982-12-500V47-F	MC12FD470J-F	500	47	5%	.126	.098	.079			
5982-12-500V100-F	MC12FD101J-F	500	100	5%	.126	.098	.079			

MC18 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type MC	Volt (DC)	Value (pF)	Tol. ±	Case Size: in.			Price Each		
					L	W	H	1	100	500
5982-18-500V100-F	MC18FD101J-F	500	100	5%	.177	.126	.079			
598-MC18FD121J-F	MC18FD121J-F	500	120	5%	.177	.126	.079			
5982-18-500V220-F	MC18FD221J-F	500	220	5%	.177	.126	.079			
598-MC18FD301J-F	MC18FD301J-F	500	300	5%	.177	.126	.079			
5982-18-500V330-F	MC18FD331J-F	500	330	5%	.177	.126	.079			
598-MC18FD391J-F	MC18FD391J-F	500	390	5%	.177	.126	.079			

MC22 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type MC	Volt (DC)	Value (pF)	Tol. ±	Case Size: in.			Price Each		
					L	W	H	1	100	500
598-MC22FA102J-F	MC22FA102J-F	100	1000	5%	.224	.197	.079			
5982-22-100V2K-F	MC22FA202J-F	100	2000	5%	.224	.197	.079			
598-MC22FD501J-F	MC22FD501J-F	500	500	5%	.224	.197	.079			
598-MC22FD751J-F	MC22FD751J-F	500	750	5%	.224	.197	.079			
5982-22-500V1000-F	MC22FD102J-F	500	1000	5%	.224	.197	.079			
5982-22-1000V470-F	MC22FF471J-F	1000	470	5%	.224	.197	.157			
5982-22-1000V1000-F	MC22FF102J-F	1000	1000	5%	.224	.197	.157			
5982-22-1000V1500-F	MC22FF152J-F	1000	1500	5%	.224	.197	.157			

CORNELL DUBILIER Multilayer Clad SMT RF Capacitors



MIN, MCM HIGH CURRENT SERIES

Types MCM and MIN SMT clad multilayer RF capacitors are top performers for high power applications requiring low inductance at high frequencies and can operate at temperatures up to 200°C and voltages to 1000VDC.

Thermal Spreading, robust natural materials and a CTE compatible with FR4 make these capacitors an excellent choice to replace more expensive porcelain capacitors.

Common Features:

- 200°C rated with no voltage derating
- Low ESR for RF power applications
- Wave solderable
- CTE ≈ 18
- No cracking / delaminating

- Nonmagnetic for minimal RF loss
- Very low ESL for excellent by-pass action
- Available on T&R
- Ultra stable - no change with (t), (V) and (f)
- Exact capacitance values ±0.5pF up to 1000VDC

CDE CORNELL DUBILIER MIN SERIES



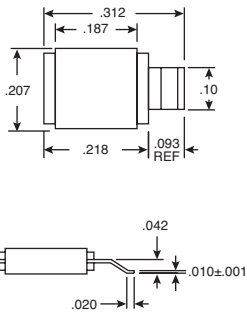
RoHS Compliant

For quantities greater than listed, call for quote.

Specifications:

- Voltage Rating: 300VDC
- Temperature Range: -55°C to +200°C with no voltage derating
- Dielectric Strength: 200% of rated voltage for 5 seconds
- Insulation Resistance: 1000MΩ - μF Need not exceed 100,000MΩ at 25°C
- Typical Thickness: .065 - .125 (±.015)
- Wave solderable
- Typical ESR <10mΩ @ 100 MHz (100pF)

DIMENSIONS: in.



MOUSER STOCK NO.	CDE Part No.	VDC	Capacitance (pF)	Tolerance (±)	Dielectric Material	Price Each			
						1	10	25	50
5981-MIN02-3.3D-F	MIN02-002C3R3D-F	300	3.3	0.5 pF	Teflon				
5981-MIN02-4.7D-F	MIN02-002C4R7D-F	300	4.7	0.5 pF	Teflon				
5981-MIN02-6.8D-F	MIN02-002C6R8D-F	300	6.8	0.5 pF	Teflon				
5981-MIN02-10J-F	MIN02-002CC100J-F	300	10	5%	Mica				
5981-MIN02-12J-F	MIN02-002CC120J-F	300	12	5%	Mica				
5981-MIN02-15J-F	MIN02-002CC150J-F	300	15	5%	Mica				
5981-MIN02-17J-F	MIN02-002CC170J-F	300	17	5%	Mica				
5981-MIN02-18J-F	MIN02-002CC180J-F	300	18	5%	Mica				
5981-MIN02-20J-F	MIN02-002CC200J-F	300	20	5%	Mica				
5981-MIN02-22J-F	MIN02-002DC220J-F	300	22	5%	Mica				
5981-MIN02-24J-F	MIN02-002DC240J-F	300	24	5%	Mica				
5981-MIN02-25J-F	MIN02-002DC250J-F	300	25	5%	Mica				
5981-MIN02-27J-F	MIN02-002DC270J-F	300	27	5%	Mica				
5981-MIN02-30J-F	MIN02-002DC300J-F	300	30	5%	Mica				
5981-MIN02-32J-F	MIN02-002DC320J-F	300	32	5%	Mica				
5981-MIN02-33J-F	MIN02-002DC330J-F	300	33	5%	Mica				
5981-MIN02-35J-F	MIN02-002DC350J-F	300	35	5%	Mica				
5981-MIN02-36J-F	MIN02-002DC360J-F	300	36	5%	Mica				
5981-MIN02-39J-F	MIN02-002DC390J-F	300	39	5%	Mica				
5981-MIN02-43J-F	MIN02-002DC430J-F	300	43	5%	Mica				
5981-MIN02-47J-F	MIN02-002DC470J-F	300	47	5%	Mica				
5981-MIN02-50J-F	MIN02-002DC500J-F	300	50	5%	Mica				
5981-MIN02-70J-F	MIN02-002EC700J-F	300	70	5%	Mica				
5981-MIN02-82J-F	MIN02-002EC820J-F	300	82	5%	Mica				
5981-MIN02-100J-F	MIN02-002EC101J-F	300	100	5%	Mica				
5981-MIN02-350J-F	MIN02-002EC351J-F	300	350	5%	Mica				

Engineering Design Kit

MOUSER STOCK NO.	Description	Voltage	Value (pF)	Price Each	
				1	10
5981-MIN300VKIT1	5 each of 13 values	300	3.3-150		

CDE CORNELL DUBILIER MCM SERIES



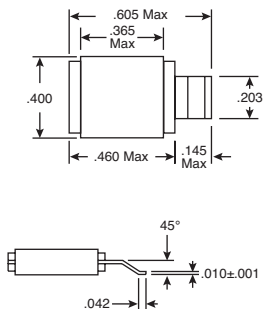
RoHS Compliant

For quantities greater than listed, call for quote.

Specifications:

- Voltage Rating: 300 - 1000VDC
- Temperature Range: -55°C to +200°C with no voltage derating
- Dielectric Strength: 200% of rated voltage for 5 seconds
- Insulation Resistance: 1000MΩ - μF Need not exceed 100,000MΩ at 25°C
- Typical Thickness: .095 - .125 (±.015)
- Wave solderable
- Typical I_{RMS} >20 Amps @ 100 MHz

DIMENSIONS: in.



MOUSER STOCK NO.	CDE Part No.	VDC	Capacitance (pF)	Tolerance (±)	Dielectric Material	Price Each			
						1	10	25	50
5981-MCM01-1500J-F	MCM01-009EC152J-F	300	1500	5%	Mica				
5981-MCM01-3.3D-F	MCM01-009D3R3D-F	500	3.3	0.5 pF	Teflon				
5981-MCM01-4.7D-F	MCM01-009D4R7D-F	500	4.7	0.5 pF	Teflon				
5981-MCM01-10J-F	MCM01-009CD100J-F	500	10	5%	Mica				
5981-MCM01-15J-F	MCM01-009CD150J-F	500	15	5%	Mica				
5981-MCM01-22J-F	MCM01-009DD220J-F	500	22	5%	Mica				
5981-MCM01-47J-F	MCM01-009DD470J-F	500	47	5%	Mica				
5981-MCM01-100J-F	MCM01-009ED101J-F	500	100	5%	Mica				
5981-MCM01-150J-F	MCM01-009ED151J-F	500	150	5%	Mica				
5981-MCM01-220J-F	MCM01-009ED221J-F	500	220	5%	Mica				
5981-MCM01-330J-F	MCM01-009ED331J-F	500	330	5%	Mica				
5981-MCM01-470J-F	MCM01-009ED471J-F	500	470	5%	Mica				
5981-MCM01-560J-F	MCM01-009ED561J-F	500	560	5%	Mica				
5981-MCM01-750J-F	MCM01-009ED751J-F	500	750	5%	Mica				
5981-MCM01-1000J-F	MCM01-009ED102J-F	500	1000	5%	Mica				
5981-MCM01-1200J-F	MCM01-009ED122J-F	500	1200	5%	Mica				
5981-MCM01-F3.3D-F	MCM01-009F3R3D-F	1000	3.3	0.5 pF	Teflon				
5981-MCM01-F4.7D-F	MCM01-009F4R7D-F	1000	4.7	0.5 pF	Teflon				
5981-MCM01-F6.8D-F	MCM01-009F6R8D-F	1000	6.8	0.5 pF	Teflon				
5981-MCM01-CF10J-F	MCM01-009CF100J-F	1000	10	5%	Mica				
5981-MCM01-DF22J-F	MCM01-009DF220J-F	1000	22	5%	Mica				
5981-MCM01-EF150J-F	MCM01-009EF151J-F	1000	150	5%	Mica				
5981-MCM01-EF330J-F	MCM01-009EF331J-F	1000	330	5%	Mica				
5981-MCM01-EF470J-F	MCM01-009EF471J-F	1000	470	5%	Mica				

Engineering Design Kit

MOUSER STOCK NO.	Description	Voltage	Value (pF)	Price Each	
				1	10
598-MCM500VKIT2	5 each of 10 values	500	10-1000		
598-MCM1000VKIT3	5 each of 7 values	1000	100-750		

CORNELL DUBILIER Radial RF MICA Capacitors

CDE CORNELL DUBILIER

CDE CORNELL DUBILIER RADIAL LEAD DIPPED MICA HIGH VOLTAGE RF CAPACITORS

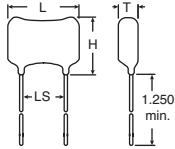
Exclusive CDE dipping process to impart high moisture and humidity resistance. Conforms to EIA specifications.

- Tolerance: D=±5pF, J=±5%
- Temperature range: -55°C to +125°C
- Voltage range: 100, 300, 500, and 1000 WVDC
- Vibration test: 10-2000Hz
- Pulse handling: dV/dt of 20,000 v/µs

Lead Spacing (LS): in.			
CD5	CD10	CD15	CD19
.120	.141	.234	.344



RoHS Compliant



DIMENSIONS: in.

CD5 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Volt (DC)	Value (pF)	Dimensions: in. Max.			Price Each		
				L	H	T	1	25	100
598-CD5CC030D03F	CD5CC030D03F	300	3	.270	.190	.110			
598-CD5CC100D03F	CD5CC100D03F	300	10	.270	.190	.110			
598-CD5CC100J03F	CD5CC100J03F	300	10	.270	.190	.110			
598-CD5CC120J03F	CD5CC120J03F	300	12	.270	.190	.110			
598-5-300V15-F	CD5CC150J03F	300	15	.270	.190	.110			
598-CD5EC200J03F	CD5EC200J03F	300	20	.270	.200	.120			
598-CD5EC220J03F	CD5EC220J03F	300	22	.270	.200	.120			
598-CD5EC300J03F	CD5EC300J03F	300	30	.270	.200	.130			
598-CD5EC330J03F	CD5EC330J03F	300	33	.270	.200	.130			
598-CD5EC390G03F	CD5EC390G03F	300	39	.270	.210	.130			
598-CD5EC470J03F	CD5EC470J03F	300	47	.270	.210	.140			
598-CD5EC510J03F	CD5EC510J03F	300	51	.270	.210	.140			
598-CD5EC680J03F	CD5EC680J03F	300	68	.270	.220	.150			
598-CD5EC750J03F	CD5EC750J03F	300	75	.270	.230	.160			
598-CD5FC101J03F	CD5FC101J03F	300	100	.270	.240	.180			

CD10 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Volt (DC)	Value (pF)	Dimensions: in. Max.			Price Each		
				L	H	T	1	25	100
598-CD10CD050D03F	CD10CD050D03F	500	5	.360	.330	.190			
598-CD10CD100D03F	CD10CD100D03F	500	10	.360	.330	.190			
598-CD10CD100J03F	CD10CD100J03F	500	10	.360	.330	.190			
598-CD10CD120J03F	CD10CD120J03F	500	12	.360	.330	.190			
598-CD10CD150J03F	CD10CD150J03F	500	15	.360	.330	.190			
598-CD10CD180J03F	CD10CD180J03F	500	18	.360	.330	.190			
598-CD10ED200J03F	CD10ED200J03F	500	20	.360	.330	.190			
598-CD10ED220J03F	CD10ED220J03F	500	22	.360	.330	.190			
598-CD10ED240J03F	CD10ED240J03F	500	24	.360	.330	.190			
598-CD10ED270J03F	CD10ED270J03F	500	27	.370	.330	.190			
598-CD10ED300J03F	CD10ED300J03F	500	30	.370	.340	.190			
598-CD10ED330J03F	CD10ED330J03F	500	33	.370	.340	.190			
598-CD10ED360J03F	CD10ED360J03F	500	36	.370	.340	.190			
598-CD10ED390J03F	CD10ED390J03F	500	39	.370	.340	.190			
598-CD10ED500J03F	CD10ED500J03F	500	50	.370	.340	.190			
598-CD10ED560J03F	CD10ED560J03F	500	56	.370	.340	.190			
598-CD10ED820J03F	CD10ED820J03F	500	82	.370	.350	.200			
598-CD10FD101J03F	CD10FD101J03F	500	100	.370	.350	.200			
598-CD10FD121J03F	CD10FD121J03F	500	120	.380	.350	.200			
598-CD10FD151F03F	CD10FD151F03F	500	150	.380	.360	.210			
598-CD10FD151J03F	CD10FD151J03F	500	150	.380	.360	.210			
598-CD10FD181J03F	CD10FD181J03F	500	180	.390	.370	.210			
598-CD10FD201J03F	CD10FD201J03F	500	200	.390	.370	.210			
598-CD10FD221J03F	CD10FD221J03F	500	220	.390	.380	.220			

CD15 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Volt (DC)	Value (pF)	Dimensions: in. Max.			Price Each		
				L	H	T	1	25	100
598-CD15FA112J03F	CD15FA112J03F	100	1100	.490	.420	.240			
598-CD15FA102J03F	CD15FA102J03F	100	1000	.480	.400	.230			
598-CD15FC621J03F	CD15FC621J03F	300	620	.460	.380	.210			
598-CD15FC681F03F	CD15FC681F03F	300	680	.470	.390	.210			
598-CD15FC751J03F	CD15FC751J03F	300	750	.470	.390	.210			
598-CD15FC561J03F	CD15FC561J03F	300	560	.460	.380	.210			
598-CD15FC681J03F	CD15FC681J03F	300	680	.470	.390	.210			
598-CD15FC821J03F	CD15FC821J03F	300	820	.470	.390	.210			
598-CD15CD120J03F	CD15CD120J03F	500	12	.360	.330	.190			
598-CD15ED240J03F	CD15ED240J03F	500	24	.450	.360	.170			
598-CD15ED510J03F	CD15ED510J03F	500	51	.450	.360	.170			
598-CD15ED750J03F	CD15ED750J03F	500	75	.450	.360	.180			
598-CD15FD111J03F	CD15FD111J03F	500	110	.460	.370	.180			
598-CD15FD431J03F	CD15FD431J03F	500	430	.470	.390	.210			
598-CD15CD050D03F	CD15CD050D03F	500	5	.450	.360	.170			
598-CD15CD100J03F	CD15CD100J03F	500	10	.450	.360	.170			
598-CD15FA112J03F	CD15FA112J03F	100	1100	.490	.420	.240			
598-CD15FA102J03F	CD15FA102J03F	100	1000	.480	.400	.230			
598-CD15FC621J03F	CD15FC621J03F	300	620	.460	.380	.210			
598-CD15FC681F03F	CD15FC681F03F	300	680	.470	.390	.210			
598-CD15FC751J03F	CD15FC751J03F	300	750	.470	.390	.210			
598-CD15FC561J03F	CD15FC561J03F	300	560	.460	.380	.210			
598-CD15FC681J03F	CD15FC681J03F	300	680	.470	.390	.210			
598-CD15FC821J03F	CD15FC821J03F	300	820	.470	.390	.210			
598-CD15CD120J03F	CD15CD120J03F	500	12	.360	.330	.190			

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CD15 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Volt (DC)	Value (pF)	Dimensions: in. Max.			Price Each		
				L	H	T	1	25	100
598-CD15ED240J03F	CD15ED240J03F	500	24	.450	.360	.170			
598-CD15ED510J03F	CD15ED510J03F	500	51	.450	.360	.170			
598-CD15ED750J03F	CD15ED750J03F	500	75	.450	.360	.180			
598-CD15FD111J03F	CD15FD111J03F	500	110	.460	.370	.180			
598-CD15FD431J03F	CD15FD431J03F	500	430	.470	.390	.210			
598-CD15CD050D03F	CD15CD050D03F	500	5	.450	.360	.170			
598-CD15CD100J03F	CD15CD100J03F	500	10	.450	.360	.170			
598-CD15CD100D03F	CD15CD100D03F	500	10	.450	.360	.170			
598-CD15CD150J03F	CD15CD150J03F	500	15	.450	.360	.170			
598-15-500V20F	CD15ED200J03F	500	20	.450	.360	.170			
598-CD15ED220J03F	CD15ED220J03F	500	22	.450	.360	.170			
598-CD15ED270J03F	CD15ED270J03F	500	27	.450	.360	.170			
598-CD15ED300J03F	CD15ED300J03F	500	30	.450	.360	.170			
598-CD15ED330J03F	CD15ED330J03F	500	33	.450	.360	.170			
598-CD15ED470J03F	CD15ED470J03F	500	47	.450	.360	.170			
598-CD15ED500J03F	CD15ED500J03F	500	50	.450	.360	.170			
598-CD15ED560J03F	CD15ED560J03F	500	56	.450	.360	.170			
598-CD15ED680J03F	CD15ED680J03F	500	68	.450	.360	.180			
598-CD15FD151J03F	CD15FD151J03F	500	150	.460	.370	.190			
598-CD15FD181J03F	CD15FD181J03F	500	180	.460	.370	.190			
598-CD15FD201J03F	CD15FD201J03F	500	200	.460	.380	.190			
598-CD15FD221J03F	CD15FD221J03F	500	220	.460	.380	.200			
598-CD15FD241J03F	CD15FD241J03F	500	240	.460	.380	.200			
598-CD15FD271J03F	CD15FD271J03F	500	270	.470	.390	.210			
598-15-500V300-F	CD15FD301J03F	500	300	.470	.390	.210			
598-CD15FD331J03F	CD15FD331J03F	500	330	.470	.390	.210			
598-CD15FD361J03F	CD15FD361J03F	500	360	.470	.390	.210			
598-CD15FD391J03F	CD15FD391J03F	500	390	.470	.390	.210			
598-CD15FD471J03F	CD15FD471J03F	500	470	.470	.400	.220			

CD19 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part No.	Volt (DC)	Value (pF)	Dimensions: in. Max.			Price Each		
				L	H	T	1	25	100
598-CD19FD271J03F	CD19FD271J03F	500	270	.640	.500	.190			
598-CD19FD331J03F	CD19FD331J03F	500	330	.640	.500	.190			
598-CD19FD391J03F	CD19FD391J03F	500	390	.640	.510	.200			
598-CD19FD471J03F	CD19FD471J03F	500	470	.640	.510	.200			
598-CD19FD511J03F	CD19FD511J03F	500	510	.650	.510	.200			
598-CD19FD561J03F	CD19FD561J03F	500	560	.650	.510	.200			
598-CD19FD681J03F	CD19FD681J03F	500	680	.650	.510	.200			
598-CD19FD821J03F	CD19FD821J03F	500	820	.650	.510	.210			
598-CD19FD911J03F	CD19FD911J03F	500	910	.650	.510	.200			
598-CD19FD102J03F	CD19FD102J03F	500	1000	.650	.520	.220			
598-CD19FD122J03F	CD19FD122J03F	500	1200	.660	.520	.220			
598-CD19FD152J03F	CD19FD152J03F	500	1500	.660	.520	.230			
598-CD19FD202J03F	CD19FD202J03F	500	2000	.670	.530	.240			
598-CD19FD222J03F	CD19FD222J03F	500	2200	.670	.530	.250			
598-CD19FD272J03F	CD19FD272J03F	500	2700	.680	.540	.270			
598-CD19FD302J03F	CD19FD302J03F	500	3000	.680	.550	.280			
598-CD19FD332J03F	CD19FD332J03F	500	3300	.680	.550	.290			
598-19-500V3900-F	CD1								

AVX Niobium Oxide Capacitors

RoHS Compliant This product is RoHS compliant.



AVX NIOBIUM OXIDE CAPACITORS

Specifications:

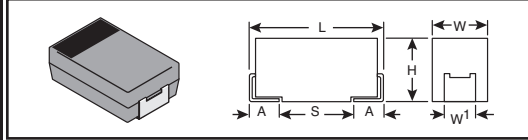
- Operating temperature range:
 - NOJ series -55°C to +105°C
 - NOM series -55°C to +105°C
 - NLJ series -55°C to +105°C
 - NOS series -55°C to +125°C
- Capacitance range: 10 ~ 680µF
- Capacitance tolerance: 20%
- Leakage current
 - DCL: 0.02CV
- Reliability:
 - NOJ series 0.5% per 1000 hours at 85°C
 - NOM series 0.2% per 1000 hours at 85°C
 - NOS series 0.2% per 1000 hours at 85°C
 - NLJ series 0.2% per 1000 hours at 85°C



LEAD-FREE
Lead-Free Compatible Component

DIMENSIONS: mm (in.)

Code	EIA Code	EIA Metric	L	W	H	W1	A	S Min.
A	1206	3216-18	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)	1.2 (0.031)	0.80 (0.031)	1.1 (0.043)
B	1210	2528-21	3.5 (0.138)	2.8 (0.110)	1.9 (0.075)	2.2 (0.087)	0.80 (0.031)	1.4 (0.055)
C	2312	6032-28	6 (0.236)	3.2 (0.126)	2.6 (0.102)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
D	2917	7343-31	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
E	2717	7343-43	7.3 (0.287)	4.3 (0.169)	4.1 (0.162)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
F	2312	6032-20	6 (0.236)	3.20 (0.126)	2 (0.079)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
P	0805	2012-15	2.05 (0.081)	1.35 (0.053)	1.5 (0.047)	1.2 (0.047)	0.50 (0.020)	0.85 (0.033)
S	1206	3216-12	3.2 (0.126)	1.60 (0.063)	1.2 (0.047)	1.2 (0.047)	0.80 (0.031)	1.10 (0.043)
T	1210	3526-12	3.5 (0.138)	2.8 (0.110)	1.2 (0.047)	2.2 (0.087)	0.80 (0.031)	1.4 (0.055)
V	2924	7361-38	7.3 (0.287)	6.1 (0.240)	3.45±0.30 (0.136±0.012)	3.1 (0.120)	1.4 (0.055)	4.4 (0.173)
W	2312	6032-15	6 (0.236)	3.20 (0.126)	1.50 (0.059)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
X	2917	7343-15	7.3 (0.287)	4.3 (0.169)	1.50 (0.059)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
Y	2917	7343-20	7.3 (0.287)	4.3 (0.169)	2 (0.079)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	ESR (Ω) @ 100 KHz	Price Each		Reel Qty.	Price per Piece
				1	100		
AVX OxiCap™ NOJ Series							
Case Size A							
1.8V							
581-NOJA476M001RWJ	NOJA476M001RWJ	47	1.6			2000	
2.5V							
581-NOJA336M002	NOJA336M002RWJ	33	1700			2000	
581-NOJA476M002RWJ	NOJA476M002RWJ	47	1.6			2000	
4V							
581-NOJA156M004	NOJA156M004RWJ	15	2			2000	
581-NOJA226M004	NOJA226M004RWJ	22	1900			2000	
6.3V							
581-NOJA475M006	NOJA475M006RWJ	4.7	3.2			2000	
581-NOJA106M006	NOJA106M006RWJ	10	2.2			2000	
10V							
581-NOJA475M010	NOJA475M010RWJ	4.7	3100			2000	
581-NOJA106M010	NOJA106M010RWJ	10	2200			2000	
581-NOJA156M010RWJ	NOJA156M010RWJ	15	2			2000	
Case Size B							
1.8V							
581-NOJB107M001RWJ	NOJB107M001RWJ	100	1.4			2000	
2.5V							
581-NOJB686M002RWJ	NOJB686M002RWJ	68	1.5			2000	
581-NOJB107M002RWJ	NOJB107M002RWJ	100	1.4			2000	
4V							
581-NOJB336M004	NOJB336M004RWJ	33	1.7			2000	
581-NOJB476M004	NOJB476M004RWJ	47	1.6			2000	
581-NOJB107M004RWJ	NOJB107M004RWJ	100	1.4			2000	
6.3V							
581-NOJB156M006	NOJB156M006RWJ	15	2			2000	
581-NOJB226M006	NOJB226M006RWJ	22	1.9			2000	
581-NOJB336M006	NOJB336M006RWJ	33	1.7			2000	
581-NOJB336M006RWB	NOJB336M006RWB	33	1.7			2000	
581-NOJB686M006RWJ	NOJB686M006RWJ	68	1.5			2000	
581-NOJB107M006RWB	NOJB107M006RWB	100	0.4			2000	
581-NOJB107M006RWJ	NOJB107M006RWJ	100	1.7			2000	
10V							
581-NOJB106M010	NOJB106M010RWJ	10	2200			2000	
581-NOJB156M010	NOJB156M010RWJ	15	2000			2000	
581-NOJB226M010	NOJB226M010RWJ	22	1800			2000	
581-NOJB226M010RWB	NOJB226M010RWB	22	0.7			2000	
Case Size C							
1.8V							
581-NOJC107M001RWJ	NOJC107M001RWJ	100	0.4			500	
581-NOJC157M001RWJ	NOJC157M001RWJ	150	0.4			500	
581-NOJC337M001RWJ	NOJC337M001RWJ	330	0.3			500	
2.5V							
581-NOJC337M002RWJ	NOJC337M002RWJ	330	0.3			500	
4V							
581-NOJC476M004	NOJC476M004RWJ	47	0.5			500	
581-NOJC686M004	NOJC686M004RWJ	68	0.5			500	
581-NOJC107M004	NOJC107M004RWJ	100	0.4			500	
6.3V							
581-NOJC336M006	NOJC336M006RWJ	33	0.5			500	
581-NOJC476M006	NOJC476M006RWJ	47	0.5			500	
581-NOJC686M006	NOJC686M006RWJ	68	0.5			500	
581-NOJC157M006RWJ	NOJC157M006RWJ	150	0.4			500	
581-NOJC227M006RWJ	NOJC227M006RWJ	220	0.4			500	
10V							
581-NOJC226M010	NOJC226M010RWJ	22	500			500	
581-NOJC336M010	NOJC336M010RWJ	33	500			500	
581-NOJC476M010	NOJC476M010RWJ	47	400			500	
581-NOJC686M010RWJ	NOJC686M010RWJ	68	0.5			500	
Case Size D							
2.5V							
581-NOJD337M002RWJ	NOJD337M002RWJ	330	0.3			500	
4V							
581-NOJD157M004RWJ	NOJD157M004RWJ	150	0.3			500	
581-NOJD227M004	NOJD227M004RWJ	220	0.4			500	
581-NOJD337M004	NOJD337M004RWJ	330	0.3			500	
6.3V							
581-NOJD107M006	NOJD107M006RWJ	100	0.4			500	
581-NOJD157M006	NOJD157M006RWJ	150	0.4			500	
581-NOJD227M006RWJ	NOJD227M006RWJ	220	0.4			500	
581-NOJD337M006RWJ	NOJD337M006RWJ	330	0.3			500	

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MOUSER STOCK NO.	AVX Part No.	Value (µF)	ESR (Ω) @ 100 KHz	Price Each		Reel Qty.	Price per Piece
				1	100		
AVX OxiCap™ NOJ Series (Cont.)							
10V							
581-NOJD107M010RWB	NOJD107M010RWB	100	0.15			500	
581-NOJD107M010RWJ	NOJD107M010RWJ	100	0.4			500	
Case Size E							
2.5V							
581-NOJE477M002	NOJE477M002RWJ	470	300			400	
4V							
581-NOJE477M004	NOJE477M004RWJ	470	0.3			400	
6.3V							
581-NOJE227M006	NOJE227M006RWJ	220	0.4			400	
581-NOJE337M006	NOJE337M006RWJ	330	0.3			400	
581-NOJE477M006RWJ	NOJE477M006RWJ	470	0.3			500	
Case Size V							
2.5V							
581-NOJV108M002	NOJV108M002RWJ	1000	300			400	
4V							
581-NOJV687M004	NOJV687M004RWJ	680	0.3			400	
AVX OxiCap™ NOJ Low Profile Series							
Case Size P							
1.8V							
581-NOJP156M001RWJ	NOJP156M001RWJ	15	4.1			2500	
581-NOJP226M001RWJ	NOJP226M001RWJ	22	3.8			2500	
2.5V							
581-NOJP106M002	NOJP106M002RWJ	10	4500			2500	
581-NOJP156M002RWJ	NOJP156M002RWJ	15	4			2500	
581-NOJP226M002RWJ	NOJP226M002RWJ	22	3.8			2500	
4V							
581-NOJP685M004	NOJP685M004RWJ	6.8	5300			2500	
581-NOJP106M004RWJ	NOJP106M004RWJ	10	4.5			2500	
581-NOJP156M004RWJ	NOJP156M004RWJ	15	4.1			2500	
Case Size S							
1.8V							
581-NOJS156M001RWJ	NOJS156M001RWJ	15	2			2500	
581-NOJS226M001RWJ	NOJS226M001RWJ	22	1.9			2500	
2.5V							
581-NOJS106M002RWJ	NOJS106M002RWJ	10	2.2			2500	
581-NOJS156M002RWJ	NOJS156M002RWJ	15	2			2500	
4V							
581-NOJS685M004	NOJS685M004RWJ	6.8	2.6			2500	
581-NOJS106M004RWJ	NOJS106M004RWJ	10	2.2			2500	
Case Size T							
1.8V							
581-NOJT226M001RWJ	NOJT226M001RWJ	22	1.8			2500	
581-NOJT336M001RWJ	NOJT336M001RWJ	33	1.7			2500	
581-NOJT476M001RWJ	NOJT476M001RWJ	47	1.6			2500	
2.5V							
581-NOJT156M002RWJ	NOJT156M002RWJ	15	2			2500	
581-NOJT226M002	NOJT226M002RWJ	22	1.9			2500	
581-NOJT336M002RWJ	NOJT336M002RWJ	33	1.7			2500	
581-NOJT476M002RWJ	NOJT476M002RWJ	47	1.6			2500	
4V							
581-NOJT106M004RWJ	NOJT106M004RWJ	10	2.2			2500	
581-NOJT156M004	NOJT156M004RWJ	15	2			2500	
581-NOJT226M004RWJ	NOJT226M004RWJ	22	1.8			2500	
Case Size W							
1.8V							
581-NOJW107M001RWJ	NOJW107M001RWJ	100	0.4			1000	
2.5V							
581-NOJW686M002RWJ	NOJW686M002RWJ	68	0.4			1000	
581-NOJW107M002RWJ	NOJW107M002RWJ	100	0.4			1000	
Case Size X							
1.8V							
581-NOJX227M001RWJ	NOJX227M001RWJ	220	0.4			1000	
2.5V							
581-NOJX157M002RWJ	NOJX157M002RWJ	150	0.4			1000	
Case Size Y							
1.8V							
581-NOJY337M001	NOJY337M001RWJ	330	300			1000	
581-NOJY477M001RWJ	NOJY477M001RWJ	470	0.3			1000	
2.5V							
581-NOJY227M002RWJ	NOJY227M002RWJ	220	0.4			1000	
581-NOJY337M002RWJ	NOJY337M002RWJ	330	0.3			1000	

AVX Niobium Oxide Capacitors



This product is RoHS compliant.



AVX NIOBIUM OXIDE CAPACITORS (CONT.)

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	ESR (Ω)@ 100 KHz	Price Each		Reel Qty.	Price Per Piece
				1	100		
AVX OxiCap™ NOJ Low Profile Series (Cont.)							
Case Size F							
4V							
581-NOJF227M004RWJ	NOJF227M004RWJ	220	0.4			1000	
6.3V							
581-NOJF107M006RWJ	NOJF107M006RWJ	100	0.4			1000	
581-NOJF157M006RWJ	NOJF157M006RWJ	150	0.4			1000	
Case Size P							
581-NOJP475M006RWJ	NOJP475M006RWJ	4.7	6.1			2500	
581-NOJP685M006RWJ	NOJP685M006RWJ	6.8	5.2			2500	
10V							
581-NOJP225M010RWJ	NOJP225M010RWJ	2.2	8.3			2500	
581-NOJP335M010RWJ	NOJP335M010RWJ	3.3	7			2500	
Case Size S							
6.3V							
581-NOJS475M006	NOJS475M006RWJ	4.7	3.2			2500	
581-NOJS685M006RWJ	NOJS685M006RWJ	6.8	2.7			2500	
Case Size T							
4V							
581-NOJT336M004RWJ	NOJT336M004RWJ	33	2			2500	
6.3V							
581-NOJT685M006RWJ	NOJT685M006RWJ	6.8	2.6			2500	
581-NOJT106M006RWJ	NOJT106M006RWJ	10	2.2			2500	
581-NOJT226M006RWJ	NOJT226M006RWJ	22	1.8			2500	
10V							
581-NOJT475M010RWJ	NOJT475M010RWJ	4.7	3.1			2500	
581-NOJT685M010RWJ	NOJT685M010RWJ	6.8	2.6			2500	
581-NOJT106M010RWJ	NOJT106M010RWJ	10	2.2			2500	
Case Size W							
4V							
581-NOJW476M004RWJ	NOJW476M004RWJ	47	0.5			1000	
581-NOJW686M004RWJ	NOJW686M004RWJ	68	0.4			1000	
581-NOJW107M004RWJ	NOJW107M004RWJ	100	0.4			1000	
6.3V							
581-NOJW336M006RWJ	NOJW336M006RWJ	33	0.5			1000	
581-NOJW476M006RWJ	NOJW476M006RWJ	47	0.5			1000	
Case Size X							
4V							
581-NOJX107M004RWJ	NOJX107M004RWJ	100	0.4			1000	
6.3V							
581-NOJX686M006RWJ	NOJX686M006RWJ	68	0.5			1000	
Case Size Y							
4V							
581-NOJY157M004RWJ	NOJY157M004RWJ	150	0.4			1000	
581-NOJY227M004RWJ	NOJY227M004RWJ	220	0.4			1000	
581-NOJY337M004RWJ	NOJY337M004RWJ	330	0.3			1000	
6.3V							
581-NOJY686M006RWJ	NOJY686M006RWJ	68	0.5			1000	
581-NOJY107M006	NOJY107M006RWJ	100	400			1000	
581-NOJY157M006RWJ	NOJY157M006RWJ	150	0.4			1000	
581-NOJY227M006RWJ	NOJY227M006RWJ	220	0.4			1000	
AVX OxiCap™ NOM Low ESR Multianodes Series							
Case Size E							
1.8V							
581-NOME687M001R0023	NOME687M001R0023	680	23			400	
2.5V							
581-NOME477M002R0030	NOME477M002R0030	470	30			400	
581-NOME687M002R0023	NOME687M002R0023	680	23			400	
4V							
581-NOME337M004R0035	NOME337M004R0035	330	35			400	
581-NOME477M004R0023	NOME477M004R0023	470	23			400	
581-NOME477M004R0030	NOME477M004R0030	470	30			400	
6.3V							
581-NOME227M006R0040	NOME227M006R0040	220	40			400	
581-NOME337M006R0023	NOME337M006R0023	330	23			400	
581-NOME337M006R0035	NOME337M006R0035	330	35			400	
AVX OxiCap™ NOS Low ESR Series							
Case Size A							
2.5V							
581-NOSA226M002R0900	NOSA226M002R0900	22	900			2000	
4V							
581-NOSA156M004	NOSA156M004R1500	15	1500			2000	
6.3V							
581-NOSA106M006R0800	NOSA106M006R0800	10	800			2000	
581-NOSA106M006	NOSA106M006R2000	10	2000			2000	
Case Size B							
1.8V							
581-NOSB107M001R0350	NOSB107M001R0350	100	350			2000	
4V							
581-NOSB226M004	NOSB226M004R0600	22	600			2000	
6.3V							
581-NOSB156M006R0600	NOSB156M006R0600	15	600			2000	
581-NOSB226M006	NOSB226M006R0600	22	600			2000	
581-NOSB336M006	NOSB336M006R0600	33	600			2000	
581-NOSB476M006R0500	NOSB476M006R0500	47	500			2000	
Case Size C							
1.8V							
581-NOSC227M001R0125	NOSC227M001R0125	220	125			500	
2.5V							
581-NOSC157M002	NOSC157M002R0065	15	65			500	
581-NOSC227M002	NOSC227M002R0080	22	80			500	
581-NOSC686M002	NOSC686M002R0200	68	200			500	
581-NOSC107M002	NOSC107M002R0150	100	150			500	
4V							
581-NOSC686M004	NOSC686M004R0200	68	200			500	
581-NOSC107M004R0070	NOSC107M004R0070	100	70			500	
581-NOSC157M004R0090	NOSC157M004R0090	150	90			500	

MOUSER STOCK NO.	AVX Part No.	Value (µF)	ESR (Ω)@ 100 KHz	Price Each		Reel Qty.	Price Per Piece
				1	100		
AVX OxiCap™ NOS Low ESR Series (Cont.)							
4V (Cont.)							
581-NOSC157M004	NOSC157M004R0150	150	150			500	
6.3V							
581-NOSC336M006R0500	NOSC336M006R0500	33	500			500	
581-NOSC476M006R0300	NOSC476M006R0300	47	300			500	
581-NOSC686M006R0075	NOSC686M006R0075	68	75			500	
581-NOSC686M006	NOSC686M006R0200	68	200			500	
581-NOSC107M006R0150	NOSC107M006R0150	100	150			500	
Case Size D							
2.5V							
581-NOSD477M002	NOSD477M002R0100	47	100			500	
581-NOSD337M002R0035	NOSD337M002R0035	330	35			500	
581-NOSD477M002R0035	NOSD477M002R0035	470	35			500	
4V							
581-NOSD337M004R0035	NOSD337M004R0035	33	35			500	
581-NOSD227M004R0040	NOSD227M004R0040	220	40			500	
581-NOSD227M004	NOSD227M004R0060	220	60			500	
581-NOSD477M004R0100	NOSD477M004R0100	470	100			500	
6.3V							
581-NOSD107M006	NOSD107M006R0080	100	80			500	
581-NOSD107M006R0080	NOSD107M006R0080	100	80			500	
581-NOSD157M006R0050	NOSD157M006R0050	150	50			500	
581-NOSD227M006R0045	NOSD227M006R0045	220	45			500	
581-NOSD227M006	NOSD227M006R0100	220	100			500	
Case Size E							
2.5V							
581-NOSE687M002	NOSE687M002R0060	68	60			400	
581-NOSE477M002R0100	NOSE477M002R0100	470	100			400	
4V							
581-NOSE337M004R0100	NOSE337M004R0100	330	100			400	
581-NOSE477M004R0075	NOSE477M004R0075	470	75			400	
6.3V							
581-NOSE227M006	NOSE227M006R0080	220	80			400	
581-NOSE337M006	NOSE337M006R0080	330	80			400	
Case Size V							
2.5V							
581-NOSV108M002	NOSV108M002R0050	1000	50			400	
4V							
581-NOSV687M004	NOSV687M004R0075	680	75			400	
6.3V							
581-NOSV477M006	NOSV477M006R0075	470	75			400	
Case Size W							
1.8V							
581-NOSW107M001R0150	NOSW107M001R0150	100	150			1000	
2.5V							
581-NOSW686M002R0150	NOSW686M002R0150	68	150			1000	
4V							
581-NOSW476M004	NOSW476M004R0150	47	150			1000	
6.3V							
581-NOSW336M006	NOSW336M006R0250	33	250			1000	
Case Size X							
1.8V							
581-NOSX227M001R0100	NOSX227M001R0100	220	100			1000	
2.5V							
581-NOSX157M002R0100	NOSX157M002R0100	150	100			1000	
4V							
581-NOSX107M004	NOSX107M004R0100	100	100			1000	
6.3V							
581-NOSX686M006R0100	NOSX686M006R0100	68	100			1000	
Case Size Y							
1.8V							
581-NOSY477M001	NOSY477M001R0100	470	100			1000	
2.5V							
581-NOSY337M002R0100	NOSY337M002R0100	330	100			1000	
4V							
581-NOSY227M004R0100	NOSY227M004R0100	220	100			1000	
581-NOSY337M004R0150	NOSY337M004R0150	330	150			1000	
6.3V							
581-NOSY107M006R0100	NOSY107M006R0100	100	100			1000	
581-NOSY157M006R0100	NOSY157M006R0100	150	100			1000	
AVX OxiCap™ NLJ High CV Consumer Series							
Case Size A							
6.3V							
581-NLJA476M006R1600	NLJA476M006R1600	47	1600			2000	
10V							
581-NLJA336M010R1700	NLJA336M010R1700	33	1700			2000	
Case Size B							
4V							
581-NLJB157M004R1500	NLJB157M004R1500	150	1500			2000	
6.3V							
581-NLJB107M006R1700	NLJB107M006R1700	100	1700			2000	
10V							
581-NLJB476M010R1000	NLJB476M010R1000	47	1000			2000	
Case Size G							
6.3V							
581-NLJG336M006R2200	NLJG336M006R2200	33	2200			2500	
Case Size P							
4V							
581-NLJP226M004R4000	NLJP226M004R4000	22	4000			2500	
Case Size S							
6.3V							
581-NLJS226M006R1800	NLJS226M006R1800	22	1800			2500	
Case Size T							
6.3V							
581-NLJT476M006R1600	NLJT476M006R1600	47	1600			2500	

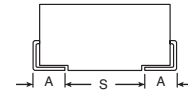
AVX Ultra Low ESR Capacitors



RoHS compliant This product is RoHS compliant.

Code	EIA Code	EIA Metric	L±.20 (.008)	W+.20 (.008) -.10 (.004)	H+.20 (.008) -.10 (.004)	W ₁ ±.20 (0.008)	A+.30 (.012) -.20 (.008)	S Min.
D	2917	7343-31	7.30 (.287)	4.30 (.169)	2.90 (.114)	2.40 (.094)	1.30 (.051)	4.40 (.173)
E	2917	7343-43	7.30 (.287)	4.30 (.169)	4.10 (.162)	2.40 (.094)	1.30 (.051)	4.40 (.173)
V	2924	7361-38	7.30 (.287)	6.10 (.240)	3.45±.30 (.136±.012)	3.10 (.120)	1.40 (.055)	4.40 (.173)
Y	2917	7343-20	7.30 (.287)	4.30 (.169)	2 (.079) max.	2.40 (.094)	1.30 (.051)	4.40 (.173)

DIMENSIONS: mm (in.)



W₁ dimension applies to the termination width for A dimensional area only.

AVX Tantalum Caps, SMD

TRM AND TPM SERIES MULTIANODE TANTALUM CAPACITORS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Rated Voltage	Capacitance Value (µF)	Tolerance ±	Case Size	DF % (µA) Max.	DCL (µA) Max.	ESR (Ω) @ 100 kHz	Price Each				Reel Quantity	Price Per Piece
									1	10	50	100		
TRM Series														
581-TRMD337K006R0035	TRMD337K006R0035	4	330	10%	D	9.9	9.9	35					500	
581-TRMD227K010R0035	TRMD227K010R0035	10	220	10%	D	8	16.5	35					500	
581-TRME477K006R0030	TRME477K006R0030	6.3	470	10%	E	6	21.2	30					400	
581-TRMD477K004R0035	TRMD477K004R0035	4	470	10%	D	8	14.1	35					500	
581-TRME337K010R0035	TRME337K010R0035	10	330	10%	E	6	24.8	35					400	
581-TRME226K035R0060	TRME226K035R0060	35	22	10%	E	6	5.8	60					400	
581-TRME336K035R0050	TRME336K035R0050	35	33	10%	E	6	8.7	50					400	
581-TRME336M035R0050	TRME336M035R0050	35	33	20%	E	6	8.7	65					400	
581-TRME337K010R0035	TRME337K010R0035	10	330	10%	E	6	24.8	35					400	
TPM Series														
581-TPMD108K002R0025	TPMD108K002R0025	2.5	1000	10	D	8	25	25					500	
581-TPME158K002R0012	TPME158K002R0012	2.5	1500	10	E	6	38	12					400	
581-TPME158K002R0015	TPME158K002R0015	2.5	1500	10	E	6	38	15					400	
581-TPME158K002R0018	TPME158K002R0018	2.5	1500	10	E	6	38	18					400	
581-TPME228K002R0018	TPME228K002R0018	2.5	2200	10	E	10	44	18					400	
581-TPMD337K004R0025	TPMD337K004R0025	4	330	10	D	8	13.2	25					500	
581-TPMD337K004R0035	TPMD337K004R0035	4	330	10	D	8	13.2	35					500	
581-TPMD477K004R0025	TPMD477K004R0025	4	470	10	D	8	18.8	25					500	
581-TPMD477K004R0035	TPMD477K004R0035	4	470	10	D	8	18.8	35					500	
581-TPMD687K004R0025	TPMD687K004R0025	4	680	10	D	8	27.2	25					500	
581-TPME687K004R0018	TPME687K004R0018	4	680	10	E	6	27	18					400	
581-TPME687K004R0023	TPME687K004R0023	4	680	10	E	6	27	23					400	
581-TPMD108K004R0025	TPMD108K004R0025	4	1000	10	D	8	40	25					500	
581-TPMD108K004R0045	TPMD108K004R0045	4	1000	10	D	8	40	45					500	
581-TPME108K004R0018	TPME108K004R0018	4	1000	10	E	6	40	18					400	
581-TPME108M004R0023	TPME108M004R0023	4	1000	20	E	6	40	23					400	
581-TPMV108K004R0018	TPMV108K004R0018	4	1000	10	V	6	40	18					400	
581-TPME158K004R0015	TPME158K004R0015	4	1500	10	E	6	40	15					400	
581-TPME158K004R0018	TPME158K004R0018	4	1500	10	E	6	40	18					400	
581-TPMD337K006R0025	TPMD337K006R0025	6.3	330	10	D	8	19.8	25					500	
581-TPMD337K006R0035	TPMD337K006R0035	6.3	330	10	D	8	19.8	35					500	
581-TPMD477K006R0030	TPMD477K006R0030	6.3	470	10	D	8	28.2	30					500	
581-TPME477K006R0030	TPME477K006R0030	6.3	470	10	E	6	28	30					400	
581-TPME477K006R0023	TPME477K006R0023	6.3	470	10	E	6	28	23					400	
581-TPME687K006R0018	TPME687K006R0018	6.3	680	10	E	6	41	18					400	
581-TPME687K006R0023	TPME687K006R0023	6.3	680	10	E	6	41	23					400	
581-TPMV687K006R0023	TPMV687K006R0023	6.3	680	10	V	6	41	23					400	
581-TPMY107M010R0045	TPMY107M010R0045	10	100	20	Y	8	10	45					1000	
581-TPMY157M010R0045	TPMY157M010R0045	10	150	20	Y	8	15	45					1000	
581-TPMD227K010R0035	TPMD227K010R0035	10	220	10	D	8	22	35					500	
581-TPMD337K010R0035	TPMD337K010R0035	10	330	10	D	8	33	35					500	
581-TPME337K010R0023	TPME337K010R0023	10	330	10	E	6	33	23					400	
581-TPME337K010R0035	TPME337K010R0035	10	330	10	E	6	33	35					400	
581-TPME477K010R0023	TPME477K010R0023	10	470	10	E	6	47	23					400	
581-TPME477K010R0030	TPME477K010R0030	10	470	10	E	6	47	30					400	
581-TPME157K016R0030	TPME157K016R0030	16	150	10	E	6	24	30					400	
581-TPME227K016R0025	TPME227K016R0025	16	220	10	E	6	35	25					400	
581-TPME227K016R0040	TPME227K016R0040	16	220	10	E	6	35	40					400	
581-TPME107K020R0035	TPME107K020R0035	20	100	10	E	6	20	35					400	
581-TPME107K020R0045	TPME107K020R0045	20	100	10	E	6	20	45					400	
581-TPME157K020R0035	TPME157K020R0035	20	150	10	E	10	30	35					400	
581-TPMD476K025R0055	TPMD476K025R0055	25	47	10	D	8	11.8	55					500	
581-TPME686K025R0045	TPME686K025R0045	25	68	10	E	6	17	45					400	
581-TPME686K025R0055	TPME686K025R0055	25	68	10	E	6	17	55					400	
581-TPMD226K035R0070	TPMD226K035R0070	35	22	10	D	8	7.7	70					500	
581-TPME226K035R0060	TPME226K035R0060	35	22	10	E	6	8	60					400	
581-TPME336K035R0050	TPME336K035R0050	35	33	10	E	6	12	50					400	
581-TPME476K035R0055	TPME476K035R0055	35	47	10	E	6	16	55					400	
581-TPME476K035R0065	TPME476K035R0065	35	47	10	E	6	16	65					400	
581-TPMD106M050R0140	TPMD106M050R0140	50	10	20	D	8	5	140					500	
581-TPME106K050R0120	TPME106K050R0120	50	10	10	E	6	5	120					400	
581-TPME156K050R0100	TPME156K050R0100	50	15	10	E	6	7.5	100					400	
581-TPME226K050R0075	TPME226K050R0075	50	22	10	E	8	11	75					400	
581-TPME226K050R0100	TPME226K050R0100	50	22	10	E	8	11	100					400	

AVX TPS Low ESR Tantalum Chip Capacitors



TPS SERIES III 125°C TANTALUM CHIP CAPACITORS



This product is RoHS compliant.

Features & Specifications:

- Low ESR levels previously only seen by other technologies
- Traditional MnO₂ technologies guarantees excellent line and field performance, humidity stability and high electrical and thermal stress resistance

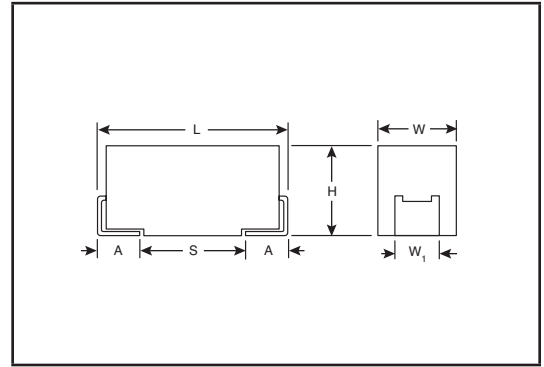
- Capacitance Range: 1.0µF to 1000µF
- Capacitance Tolerance: ±10%, ±20%
- Temperature Range: -55 °C to +125°C
- Voltage listed is at 85°C, Derate 33% @ 125°C



RoHS Compliant

DIMENSIONS: mm (in.)							
Code	EIA Code	L	W	H	W1	A	S Min.
A	3216	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
B	3528	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
C	6032	6.00 (0.236)	3.20 (0.126)	2.60 (0.102)	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
D	7343	7.30 (0.287)	4.30 (0.169)	2.90 (0.114)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
E	7343H	7.30 (0.287)	4.30 (0.169)	4.10 (0.162)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
T	3528	3.50 (0.138)	2.80 (0.110)	1.20 (0.047) max.	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
V	7361	7.30 (0.287)	6.10 (0.240)	3.45 ± 0.30 (0.136 ± 0.012)	3.10 (0.120)	1.40 (0.055)	4.40 (0.173)
W	6032	6.00 (0.236)	3.20 (0.126)	1.50 (0.059) max.	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
Y**:	7343L	7.30 (0.287)	4.30 (0.169)	2.00 (0.079) max.	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)

**Low Profile Version



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Tol. (%)	Case Code	ESR Max. (mΩ) @ 100 kHz	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100		
4 VDC									
581	—TPSD227K004R0050	220	10	D	50			500	
581	—TPSD227K004R0100	220	10	D	100			500	
581	—TPSD337K004R0035	330	10	D	35			500	
581	—TPSD477K004R0045	470	10	D	45			500	
581	—TPSD687K004R0045	680	10	D	45			500	
581	—TPSD687K004R0100	680	10	D	100			500	
6 VDC									
581	—TPSS475K006R4000	4.7	10	S	4000			2500	
581	—TPSA685K006R1800	6.8	10	A	1800			2000	
581	—TPSA106K006R1500	10	10	A	1500			2000	
581	—TPSR106K006R1000	10	10	R	1000			2500	
581	—TPST106K006R1000	10	10	T	1000			2500	
581	—TPSA156K006R1500	15	10	A	1500			2000	
581	—TPSA226K006R0500	22	10	A	500			2000	
581	—TPSB226K006R0600	22	10	B	600			2000	
581	—TPSD337M006R0100	30	20	D	100			500	
581	—TPSA336K006R0600	33	10	A	600			2000	
581	—TPSB336K006R0600	33	10	B	600			2000	
581	—TPSB476K006R0250	47	10	B	250			2000	
581	—TPSB476K006R0500	47	10	B	500			2000	
581	—TPSW686M006R0110	68	20	W	110			1000	
581	—TPSB686K006R0250	68	10	B	250			2000	
581	—TPSW686K006R0125	68	10	W	125			1000	
581	—TPSB686K006R0500	68	10	B	500			2000	
581	—TPSB107K006R0400	100	10	B	400			2000	
581	—TPSW107M006R0100	100	20	W	100			1000	
581	—TPSC107K006R0075	100	10	C	75			500	
581	—TPSB107K006R0250	100	10	B	250			2000	
581	—TPSV108M006R0040	100	20	V	40			400	
581	—TPSC157K006R0150	150	10	C	150			500	
581	—TPSC157K006R0050	150	10	C	50			500	
581	—TPSD227K006R0100	220	10	D	100			500	
581	—TPSC227K006R0070	220	10	C	70			500	
581	—TPSC227K006R0100	220	10	C	100			500	
581	—TPSE337K006R0100	330	10	E	100			400	
581	—TPSE337M006R0150	330	20	E	150			400	
581	—TPSY337K006R0100	330	10	Y	100			1000	
581	—TPSD337K006R0045	330	10	D	45			500	
581	—TPSD337K006R0050	330	10	D	50			500	
581	—TPSC337M006R0080	330	20	C	80			500	
581	—TPSD337K006R0100	330	10	D	100			500	
581	—TPSD337M006R0045	330	20	D	45			500	
581	—TPSE477K006R0050	470	10	E	50			400	
581	—TPSD477K006R0045	470	10	D	45			500	
581	—TPSD477K006R0100	470	10	D	100			500	
581	—TPSD477K006R0200	470	10	D	200			500	
581	—TPSE477K006R0045	470	10	E	45			400	
581	—TPSY477K006R0150	470	10	Y	150			1000	
581	—TPSE477K006R0100	470	10	E	100			400	
581	—TPSV477K006R0055	470	10	V	55			400	
581	—TPSV687K006R0050	680	10	V	50			400	
581	—TPSV687K006R0035	680	10	V	35			400	
581	—TPSE687K006R0100	680	10	E	100			400	
10 VDC									
581	—TPSA225K010R1800	2.2	10	A	1800			2000	
581	—TPSA475K010R1400	4.7	10	A	1400			2000	
581	—TPSA685K010R1800	6.8	10	A	1800			2000	
581	—TPSA106K010R1800	10	10	A	1800			2000	
581	—TPST106K010R1000	10	10	T	1000			2500	
581	—TPSA156K010R1000	15	10	A	1000			2000	
581	—TPSB226K010R0400	22	10	B	400			2000	
581	—TPSB336K010R0425	33	10	B	425			2000	
581	—TPSB336M010R0650	33	20	B	650			2000	
581	—TPSC336K010R0150	33	10	C	150			500	
581	—TPSB336K010R0500	33	10	B	500			2000	
581	—TPSB476K010R0500	47	10	B	500			2000	
581	—TPSW476K010R0125	47	10	W	125			1000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Tol. (%)	Case Code	ESR Max. (mΩ) @ 100 kHz	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100		
10 VDC (Cont.)									
581	—TPSB476K010R0250	47	10	B	250			2000	
581	—TPSD476K010R0100	47	10	D	100			500	
581	—TPSW476K010R0150	47	10	W	150			1000	
581	—TPSB476K010R0350	47	10	B	350			2000	
581	—TPSD686K010R0100	68	10	D	100			500	
581	—TPSB686K010R0600	68	10	B	600			2000	
581	—TPSC686K010R0100	68	10	C	100			500	
581	—TPSC686K010R0200	68	10	C	200			500	
581	—TPSD686K010R0150	68	10	D	150			500	
581	—TPSC686K010R0300	68	10	C	300			500	
581	—TPSC107K010R0100	100	10	C	100			500	
581	—TPSC107M010R0075	100	20	C	75			500	
581	—TPSD107K010R0100	100	10	D	100			500	
581	—TPSD107K010R0080	100	10	D	80			500	
581	—TPSD107M010R0125	100	20	D	125			500	
581	—TPSC107K010R0150	100	10	C	150			500	
581	—TPSC107K010R0200	100	10	C	200			500	
581	—TPSY107K010R0150	100	10	Y	150			1000	
581	—TPSE107K010R0125	100	10	E	125			400	
581	—TPSY107K010R0100	100	10	Y	100			1000	
581	—TPSD157K010R0100	150	10	D	100			500	
581	—TPSD157K010R0085	150	10	D	85			500	
581	—TPSD227K010R0100	220	10	D	100			500	
581	—TPSE227K010R0100	220	10	E	100			400	
581	—TPSD227K010R0050	220	10	D	50			500	
581	—TPSD227K010R0150	220	10	D	150			500	
581	—TPSE227K010R0050	220	10	E	50			400	
581	—TPSD337K010R0100	330	10	D	100			500	
581	—TPSE337K010R0040	330	10	E	40			400	
581	—TPSV337K010R0060	330	10	V	60			400	
581	—TPSE337K010R0050	330	10	E	50			400	
581	—TPSD337K010R0050	330	10	D	50			500	
581	—TPSE337K010R0100	330	10	E	100			400	
581	—TPSV337K010R0100	330	10	V	100			400	
581	—TPSV337M010R0100	330	20	V	100			400	
581	—TPSE477K010R0045	470	10	E	45			400	
581	—TPSV477K010R0100	470	10	V	100			400	
581	—TPSE477K010R0100	470	10	E	100			400	
581	—TPSV477K010R0060	470	10	V	60			400	
16 VDC									
581	—TPSA225K016R1800	2.2	10	A	1800			2000	
581	—TPSA225K016R3500	2.2	1						

AVX TPS Low ESR Tantalum Chip Capacitors



TPS SERIES III 125°C TANTALUM CHIP CAPACITORS (CONT.)

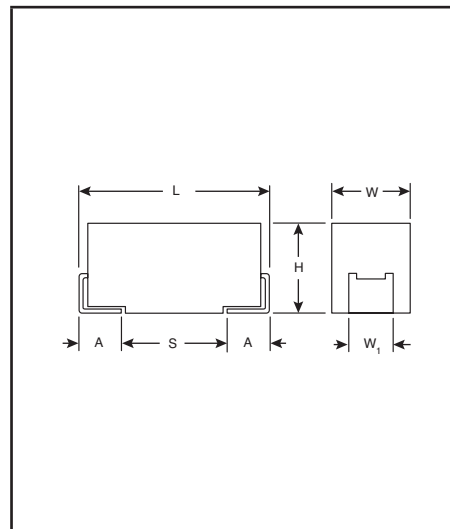
RoHS Compliant This product is RoHS compliant.

Features & Specifications:

- Low ESR levels previously only seen by other technologies
- Traditional MnO₂ technologies guarantees excellent line and field performance, humidity stability and high electrical and thermal stress resistance
- Capacitance Range: 1.0 μ F to 1000 μ F
- Capacitance Tolerance: \pm 10%, \pm 20%
- Temperature Range: -55°C to +125°C
- Voltage listed is at 85°C, Derate 33% @ 125°C



RoHS Compliant



DIMENSIONS: mm (in.)							
Code	EIA Code	L	W	H	W1	A	S Min.
A	3216	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
B	3528	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
C	6032	6.00 (0.236)	3.20 (0.126)	2.60 (0.102)	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
D	7343	7.30 (0.287)	4.30 (0.169)	2.90 (0.114)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
E	7343H	7.30 (0.287)	4.30 (0.169)	4.10 (0.162)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
R	2012	2.05 (0.081)	1.30 (0.051)	1.20 (0.047) max.	1.0 \pm 0.1 (0.039 \pm 0.004)	0.50 (0.020)	0.85 (0.033)
V	7361	7.30 (0.287)	6.10 (0.240)	3.45 \pm 0.30 (0.136 \pm 0.012)	3.10 (0.120)	1.40 (0.055)	4.40 (0.173)
Y*:	7343L	7.30 (0.287)	4.30 (0.169)	2.00 (0.079) max.	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)

**Low Profile Version

AVX Tantalum Caps, SMD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μ F)	Tol. \pm (%)	Case Code	ESR Max. (m Ω) @ 100 kHz	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100		
16 VDC (Cont.)									
581	TPSY686K016R0200	68	10	Y	200			1000	
581	TPSC686K016R0125	68	10	C	125			500	
581	TPSD686K016R0150	68	10	D	150			500	
581	TPSD107K016R0125	100	10	D	125			500	
581	TPSC107K016R0200	100	10	C	200			500	
581	TPSD107K016R0100	100	10	D	100			500	
581	TPSE107K016R0125	100	10	E	125			400	
581	TPSE157K016R0100	150	10	E	100			400	
581	TPSD157K016R0060	150	10	D	60			500	
581	TPSD157K016R0100	150	10	D	100			500	
581	TPSD157K016R0125	150	10	D	125			500	
581	TPSE227K016R0150	220	10	E	150			400	
581	TPSV227K016R0075	220	10	V	75			400	
581	TPSV227K016H0075	220	10	V	75			400	
581	TPSV227K016R0150	220	10	V	150			400	
581	TPSE337M016R0200	330	20	E	200			400	
20 VDC									
581	TPSA105K020R3000	1	10	A	3000			2000	
581	TPSR105K020R6000	1	10	R	6000			2500	
581	TPSA225K020R3000	2.2	10	A	3000			2000	
581	TPSA335K020R2500	3.3	10	A	2500			2000	
581	TPSA475K020R1800	4.7	10	A	1800			2000	
581	TPSB475K020R1000	4.7	10	B	1000			2000	
581	TPSA685K020R1000	6.8	10	A	1000			2000	
581	TPSB685K020R1000	6.8	10	B	1000			2000	
581	TPSC685K020R0700	6.8	10	C	700			500	
581	TPSC106K020R0500	10	10	C	500			500	
581	TPSC156K020R0400	15	10	C	400			500	
581	TPSC226M020R0150	22	20	C	150			500	
581	TPSC226M020R0400	22	20	C	400			500	
581	TPSD226M020R0200	22	20	D	200			500	
581	TPSC226K020R0100	22	10	C	100			500	
581	TPSC226K020R0150	22	10	C	150			500	
581	TPSB226K020R0400	22	10	B	400			2000	
581	TPSC226K020R0400	22	10	C	400			500	
581	TPSD226K020R0300	22	10	D	300			500	
581	TPSC336K020R0300	33	10	C	300			500	
581	TPSD336K020R0100	33	10	D	100			500	
581	TPSD476K020R0100	47	10	D	100			500	
581	TPSE476K020R0150	47	10	E	150			400	
581	TPSD476K020R0075	47	10	D	75			500	
581	TPSE476K020R0125	47	10	E	125			400	
581	TPSE686K020R0150	68	10	E	150			400	
581	TPSD686K020R0150	68	10	D	150			500	
581	TPSD686K020R0300	68	10	D	300			500	
581	TPSE686K020R0125	68	10	E	125			400	
581	TPSD686K020R0200	68	10	D	200			500	
581	TPSE107K020H0150	100	10	E	150			400	
581	TPSV107M020Y0060	100	20	V	60			400	
581	TPSD107K020R0100	100	10	D	100			500	
581	TPSD107M020R0100	100	20	D	100			500	
581	TPSE107K020R0100	100	10	E	100			400	
581	TPSV107K020R0060	100	10	V	60			400	
581	TPSV157K020H0080	150	10	V	80			400	
581	TPSV157K020R0080	150	10	V	80			400	
25 VDC									
581	TPSA684K025R6000	0.68	10	A	6000			2000	
581	TPSA155K025R3000	1.5	10	A	3000			2000	
581	TPSB335K025R2000	3.3	10	B	2000			2000	
581	TPSA335K025R1000	3.3	10	A	1000			2000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (μ F)	Tol. \pm (%)	Case Code	ESR Max. (m Ω) @ 100 kHz	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100		
25 VDC (Cont.)									
581	TPSB475K025R0700	4.7	10	B	700			2000	
581	TPSB475K025R1500	4.7	10	B	1500			2000	
581	TPSC685K025R0700	6.8	10	C	700			500	
581	TPSC685K025R0500	6.8	10	C	500			500	
581	TPSC685K025R0600	6.8	10	C	600			500	
581	TPSC106K025R0500	10	10	C	500			500	
581	TPSB106M025R1800	10	20	B	1800			2000	
581	TPSC156K025R0300	15	10	C	300			500	
581	TPSD226K025R0200	22	10	D	200			500	
581	TPSC226K025R0400	22	10	C	400			500	
581	TPSC226K025R0275	22	10	C	275			500	
581	TPSE336K025R0200	33	10	E	200			400	
581	TPSE336K025R0100	33	10	E	100			400	
581	TPSE336K025R0300	33	10	E	300			400	
581	TPSE476K025R0125	47	10	E	125			400	
581	TPSD476K025R0150	47	10	D	150			500	
581	TPSD476K025R0125	47	10	D	125			500	
581	TPSE476K025R0080	47	10	E	80			400	
581	TPSV686K025R0150	68	10	V	150			400	
581	TPSV686K025R0095	68	10	V	95			400	
581	TPSE686K025R0200	68	10	E	200			400	
581	TPSV686K025R0080	68	10	V	80			400	
581	TPSV107K025R0100	100	10	V	100			400	
35 VDC									
581	TPSB155K035R2500	1.5	10	B	2500			2000	
581	TPSA225K035R1500	2.2	10	A	1500			2000	
581	TPSB225K035R2000	2.2	10	B	2000			2000	
581	TPSC335K035R0700	3.3	10	C	700			500	
581	TPSB475K035R0700	4.7	10	B	700			2000	
581	TPSB475K035R1500	4.7	10	B	1500			2000	
581	TPSD475K035R0700	4.7	10	D	700			500	
581	TPSD685K035R0400	6.8	10	D	400			500	
581	TPSC156K035R0450	15	10	C	450			500	
581	TPSC156K035R0350	15	10	C	350			500	
581	TPSD156K035R0300	15	10	D	300			500	
581	TPSD226K035R0125	22	10	D	125			500	
581	TPSE226K035R0300	22	10	E	300			400	
581	TPSD226M035R0200	22	20	D	200			500	
581	TPSD226K035R0200	22	10	D	200			500	
581	TPSE226K035R0125	22	10	E	125			400	
581	TPSD226M035R0300	22	20	D	300			500	
581	TPSD226K035R0400	22	10	D	400			500	
581	TPSD336K035R0300	33	10	D	300			500	
581	TPSD336K035H0300	33	10	D	300			500	
581	TPSE476K035R0250	47	10	E	250			400	
581	TPSV476K035R0150	47	10	V	150			400	
581	TPSV686M035R0150	68	20	V	150			400	
50 VDC									
581	TPSA154K050R9000	0.15	10	A	9000			2000	
581	TPSA224K050R7000	0.22	10	A	7000			2000	
581	TPSC155K050R1500	1.5	10	C	1500			500	

AVX Tantalum Solid Electrolytic Chip Capacitors



AVX TANTALUM CHIP CAPACITORS

The consumer TLJ series of tantalum capacitors offers high capacitance vs. voltage ratio based on stable MnO₂ electrode capacitors. The TLJ series complies with RoHS requirements and it is an environmentally friendly component ready for lead-free assembly systems up to 3x reflow with 260°C peak temperature. The TLJ series is suitable for wide range of consumer electronic applications such as the latest portable handheld electronics, cellular phones, PDAs or other digital equipment and cameras.

Specifications:

- Technical Data: All technical data relate to an ambient temperature of +25°C
- Capacitance Tolerance: ±20%
- Temperature Range: -55°C to +125°C with category voltage
- Reliability: 0.2% per 1000 hours at 85°C, 0.5xVR with 0.1Ω/V series impedance with 60% confidence level

Features:

- High Volumetric Efficiency
- Environmentally Friendly
- Small & Low Profile Cases
- 3x Reflow 260°C Compatible
- Consumer Applications

Rated Voltage (VR) -55°C ≤ +40°C:	4	6.3	10	16	20
Category Voltage (VC) at 85°C:	2	3.15	5	8	10
Category Voltage (VC) at 125°C:	0.8	1.26	2	3.2	4

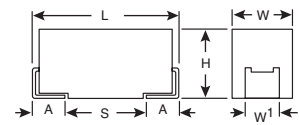


RoHS Compliant



LEAD-FREE
Lead-Free Compatible Component

DIMENSIONS: mm (in.)



Code	EIA Code	L ±0.20 (0.008)	W +0.20 (0.008) -0.10 (0.004)	H +0.20 (0.008) -0.10 (0.004)	W ₁ ±0.20 (0.008)	A +0.30 (0.012) -0.20 (0.008)	S Min.
A	3216-18	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
B	3528-21	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
G	3216-16	3.20 (0.126)	1.60 (0.063)	1.50 (0.059) max	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
H	3528-15	3.50 (0.138)	2.80 (0.110)	1.50 (0.059) max	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
K	3216-10	3.20 (0.126)	1.60 (0.063)	1.0 (0.039) max	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
N	2012-12	2.05 (0.081)	1.3 (0.051)	1.0 (0.039) max	1.0 (0.039)	.50 (0.020)	0.85 (0.033)
P	2012-15	2.05 (0.081)	1.35 (0.053)	1.50 (0.059) max	1.0±0.10 (0.039±0.004)	.50 (0.020)	0.85 (0.033)
R	2012-12	2.05 (0.081)	1.30 (0.051)	1.20 (0.047) max	1.0±0.10 (0.039±0.004)	.50 (0.020)	0.85 (0.033)
S	3216-12	3.20 (0.126)	1.60 (0.063)	1.20 (0.047) max	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
T	3528-12	3.50 (0.138)	2.80 (0.110)	1.20 (0.047) max	2.20 (0.087)	0.80 (0.031)	1.40 (0.033)
W	6032-15	6.00 (0.236)	3.20 (0.126)	1.50 (0.059) max	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
Y	7343-20	7.30 (0.287)	4.30 (0.169)	2.00 (0.079) max	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)

TLJ Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Case Size	Value (μF)	Voltage (DC)	Max. Surge Current (A)	DCL (μA) Max.	ESR (Ω) @ 100 kHz	100kHz Ripple Current (mA) 125°C	100kHz Ripple Voltage (mV) 125°C	Price Each				Tape and Reel	
										1	50	100	500	Qty per Reel	Price Each
581-TLJN336M004R8000	TLJN336M004R8000	N	33	4	0.2	1.3	8000	32	253					3000	
581-TLJR336M004R3000	TLJR336M004R3000	R	33	4	0.6	1.3	3000	54	162					2500	
581-TLJR476M004R3000	TLJR476M004R3000	R	47	4	0.6	1.9	3000	54	162					2500	
581-TLJR686M004R2900	TLJR686M004R2900	R	68	4	0.6	2.7	2900	55	160					2500	
581-TLJS686M004R1500	TLJS686M004R1500	S	68	4	1	2.7	1500	83	125					2500	
581-TLJA107M004R0500	TLJA107M004R0500	A	100	4	2.1	4	500	155	77					2000	
581-TLJG107M004R0800	TLJG107M004R0800	G	100	4	1.6	4	800	118	95					2500	
581-TLJP107M004R2700	TLJP107M004R2700	P	100	4	0.6	8.0	2700	60	161					2500	
581-TLJS107M004R1400	TLJS107M004R1400	S	100	4	1.1	4	1400	83	125					2500	
581-TLJA157M004R0800	TLJA157M004R0800	A	150	4	1.6	6	800	122	98					2000	
581-TLJT157M004R0800	TLJT157M004R0800	T	150	4	1.6	6	800	126	101					2500	
581-TLJA227M004R1100	TLJA227M004R1100	A	220	4	1.3	17.6	1100	104	115					2000	
581-TLJG227M004R3000	TLJG227M004R3000	G	220	4	0.6	17.6	3000	61	183					2500	
581-TLJH227M004R0900	TLJH227M004R0900	H	220	4	1.5	8.8	900	119	107					2500	
581-TLJT227M004R1100	TLJT227M004R1100	T	220	4	1.3	8.8	1100	126	101					2500	
581-TLJW337M004R0200	TLJW337M004R0200	W	330	4	3.1	13.2	200	268	54					1000	
581-TLJT337M004R2700	TLJT337M004R2700	T	330	4	0.6	26.4	2700	69	186					2500	
581-TLJP476M006R0900	TLJP476M006R0900	P	4	6.3	2.3	2.8	900	103	93					2500	
581-TLJN226M006R5400	TLJN226M006R5400	N	22	6.3	0.5	1.3	5400	38	208					3000	
581-TLJR226M006R3500	TLJR226M006R3500	R	22	6.3	0.8	1.3	3500	50	175					2500	
581-TLJK336M006R1700	TLJK336M006R1700	K	33	6.3	1.5	2	1700	78	133					3000	
581-TLJN336M006R8000	TLJN336M006R8000	N	33	6.3	0.4	2	8000	32	253					3000	
581-TLJP336M006R3000	TLJP336M006R3000	P	33	6.3	0.9	2	3000	57	170					2500	
581-TLJR336M006R3000	TLJR336M006R3000	R	33	6.3	0.9	2	3000	54	162					2500	
581-TLJK476M006R1500	TLJK476M006R1500	K	47	6.3	1.6	2.8	1500	83	125					3000	
581-TLJP476M006R2500	TLJP476M006R2500	P	47	6.3	1.1	2.8	2500	62	155					2500	
581-TLJR476M006R3200	TLJR476M006R3200	R	47	6.3	0.9	2.8	3200	52	168					2500	
581-TLJS476M006R1500	TLJS476M006R1500	S	47	6.3	1.6	2.8	1500	83	125					2500	
581-TLJA686M006R0500	TLJA686M006R0500	A	68	6.3	3.3	4.1	500	155	77					2000	
581-TLJG686M006R0800	TLJG686M006R0800	G	68	6.3	1.9	4.1	800	97	116					2500	
581-TLJT686M006R0600	TLJT686M006R0600	T	68	6.3	3	4.1	600	146	88					2500	
581-TLJA107M006R0500	TLJA107M006R0500	A	100	6.3	3.3	6	500	155	77					2000	
581-TLJA107M006R0800	TLJA107M006R0800	A	100	6.3	2.5	6	800	122	98					2000	
581-TLJG107M006R0800	TLJG107M006R0800	G	100	6.3	6.3	3.5	800	188	95					2500	
581-TLJG107M006R0800	TLJG107M006R0800	G	100	6.3	2.5	6	800	118	95					2500	
581-TLJP107M006R5400	TLJP107M006R5400	P	100	6.3	0.5	12.0	5400	42	228					2500	
581-TLJT107M006R0800	TLJT107M006R0800	T	100	6.3	2.5	6	800	126	101					2500	
581-TLJH157M006R0900	TLJH157M006R0900	H	150	6.3	2.3	9	900	119	107					2500	
581-TLJT157M006R1200	TLJT157M006R1200	T	150	6.3	1.9	9	1200	126	101					2500	
581-TLJT227M006R2000	TLJT227M006R2000	T	220	6.3	1.3	26.4	2000	80	160					2500	
581-TLJB227M006R0500	TLJB227M006R0500	B	220	6.3	3.3	13.2	500	165	82					2000	
581-TLJW227M006R0200	TLJW227M006R0200	W	220	6.3	4.8	13.2	200	268	54					1000	
581-TLJY687M006R0150	TLJY687M006R0150	Y	680	6.3	5.7	40.8	150	365	55					1000	
581-TLJR106M010R3000	TLJR106M010R3000	R	10	10	1.4	1	3000	54	162					2500	
581-TLJR156M010R2000	TLJR156M010R2000	R	15	10	2	1.5	2000	66	133					2500	
581-TLJN226M010R3800	TLJN226M010R3800	N	22	10	1.2	2.2	3800	46	174					3000	
581-TLJR226M010R3800	TLJR226M010R3800	R	22	10	1.2	2.2	3800	48	183					2500	
581-TLJK336M010R1500	TLJK336M010R1500	K	33	10	2.6	3.3	1500	83	125					3000	
581-TLJR336M010R3500	TLJR336M010R3500	R	33	10	1.3	3.3	3500	50	175					2500	
581-TLJP336M010R3500	TLJP336M010R3500	P	33	10	1.3	3.3	3500	57	170					2500	
581-TLJS336M010R1500	TLJS336M010R1500	S	33	10	2.6	3.3	1500	83	125					2500	
581-TLJA476M010R0600	TLJA476M010R0600	A	47	10	4.8	4.7	600	141	85					2000	
581-TLJG476M010R1500	TLJG476M010R1500	G	47	10	2.6	4.7	1500	86	130					2500	
581-TLJR476M10R3200	TLJR476M10R3200	R	47	10	1.4	18.8	3200	52	168					2500	
581-TLJS476M010R1500	TLJS476M010R1500	S	47	10	2.6	4.7	1500	83	125					2500	
581-TLJT476M010R0600	TLJT476M010R0600	T	47	10	4.8	4.7	600	146	88					2500	
581-TLJA686M010R1500	TLJA686M010R1500	A	68	10	2.6	6.8	1500	89	134					2000	
581-TLJA107M010R1400	TLJA107M010R1400	A	100	10	2.7	10	1400	93	130					2000	
581-TLJH107M010R0900	TLJH107M010R0900	H	100	10	3.7	10	900	119	107					2500	
581-TLJT107M010R0900	TLJT107M010R0900	T	100	10	3.7	10	900	119	107					2500	
581-TLJB157M010R0500	TLJB157M010R0500	B	150	10	5.3	15	500	165	82					2000	
581-TLJW157M010R0150	TLJW157M010R0150	W	150	10	8.3	15	150	310	45					1000	
581-TLJW157M010R0200	TLJW157M010R0200	W	150	10	7.7	15	200	268	54					1000	
581-TLJS106M016R2200	TLJS106M016R2200	S	10	16	3	1.6	2200	69	151					2500	
581-TLJT226M016R1000	TLJT226M016R1000	T	22	16	5.5	3.5	1000	113	113					2500	
581-TLJT336M016R1000	TLJT336M016R1000	T	33	16	5.5	5.3	1000	113	113					2500	
581-TLJT106M020R1000	TLJT106M020R1000	T	10	20	6.9	2	1000	113	113					2500	

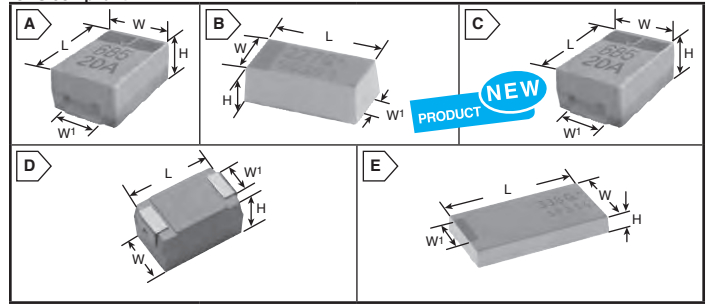
AVX Tantalum Solid Electrolytic Chip Capacitors



RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm (in.)					
Case Size	L	W	H	*W1	±0.20 (0.008)
4	7.30 (0.287)	6.10 (0.240)	2.0 (0.079)		4.75 (0.187)
6	14.5 (0.571)	7.50 (0.295)	2.00 (0.079)		5.50 (0.217)
A	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)		1.20 (0.047)
B	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)		2.20 (0.087)
C	6.00 (0.236)	3.20 (0.126)	2.60 (0.102)		2.20 (0.087)
E	7.30 (0.289)	4.30 (0.169)	4.10 (0.162)		2.40 (0.094)
G	3.20 (0.126)	1.6 (0.063)	1.50 (0.059) max		1.20 (0.047)
H	3.50 (0.138)	2.80 (0.110)	1.50 (0.059) max		2.20 (0.087)
K	3216-10	3.20 (0.126)	1.60 (0.063)		1.00 (0.039)
L	3528-10	3.50 (0.138)	2.80 (0.110)		1.00 (0.039)
N	2.05 (0.081)	1.30 (0.051)	1.00 (0.039)		1.00 (0.039)
P	2.05 (0.081)	1.35 (0.050)	1.50 (0.059) max	1.0±0.1	(0.039±0.004)
R	2.05 (0.08)	1.30 (0.051)	1.20 (0.047) max	1.0±0.10	(0.039±0.004)
S	3.50 (0.14)	1.60 (0.063)	1.20 (0.047) max		1.20 (0.047)
T	3.50 (0.14)	2.80 (0.110)	1.20 (0.047) max		2.20 (0.087)
W	6.00 (0.236)	3.20 (0.126)	1.50 (0.059) max		2.20 (0.087)
Y	7.30 (0.287)	4.30 (0.169)	2.00 (0.079) max		2.40 (0.094)

* W1 dimension applies to the termination width for A dimensional area only.



AVX Tantalum Caps, SMD

TCN UNDERTAB SERIES-TANTALUM SOLID CHIP CAPACITOR

- Features:**
- Conductive polymer electrode
 - reduces ignition failure mode
 - Low ESR
 - 3x reflow 260°C compatible
 - Consumer applications
 - Undertab terminations layout:
 - High Volumetric Efficiency
 - High PCB assembly density
 - High capacitance in smaller dimensions

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Case Size	Value (µF)	ESR (mΩ) @ 100 kHz	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
6.3 Volts										
581	TCNL157M006R0200	A	L	150	200				2500	
581	TCNT157M006R0200	A	T	150	200				2500	

TLN UNDERTAB SERIES

- Specifications:**
- Capacitance Tolerance: ±20%
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Case Size	Value (µF)	ESR (mΩ) @ 100 kHz	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	50	100		
4 Volts										
581	TLNK157M004R	B	K	150	2500				3000	
581	TLNS157M004R	B	S	150	2500				2500	
581	TLNL227M004R	B	L	220	1300				2500	
581	TLNT227M004R	B	T	220	1500				2500	
581	TLNS227M004R3000	B	S	220	3000				2500	
6 Volts										
581	TLNT227M006R	B	T	220	1500				2500	
10 Volts										
581	TLNK476M010R1500	B	K	47	1500				3000	
581	TLNT157M010R	B	T	150	1500				2500	

TCJ SERIES - CAPACITOR WITH CONDUCTIVE POLYMER ELECTRODE

- Specifications:**
- Capacitance Tolerance: ±20%
 - Temperature Range: -55°C to +125°C
- HALOGEN-FREE COMPOUNDS
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Case Size	Value (µF)	ESR (mΩ) @ 100 kHz	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
2 Volts										
581	TCJA107M2R200	C	A	100	200				4000	
581	TCJB107M2R70	C	B	100	70				4000	
4 Volts										
581	TCJA226M4R300	C	A	22	300				2000	
581	TCJA476M4R200	C	A	47	200				2000	
581	TCJT476M4R80	C	T	47	80				2500	
581	TCJB686M4R70	C	B	68	70				4000	
581	TCJT686M4R80	C	T	68	80				2500	
581	TCJA107M4R200	C	A	100	200				2000	
581	TCJB107M4R70	C	B	100	70				4000	
581	TCJG107M4R0300	C	G	100	300				2500	
581	TCJT107M4R150	C	T	100	150				2500	
581	TCJB157M4R70	C	B	150	70				2000	
581	TCJB227M004R0045	C	B	220	45				2000	
581	TCJB227M004R0070	C	B	220	70				2000	
6.3 Volts										
581	TCJA106M6R300	C	A	10	300				2000	
581	TCJN106M006R0500	C	N	10	500				3000	
581	TCJR106M6R500	C	R	10	500				2500	
581	TCJA156M6R300	C	A	15	300				4000	
581	TCJA226M6R300	C	A	22	300				4000	
581	TCJT226M6R150	C	T	22	150				2500	
581	TCJA336M6R200	C	A	33	200				2000	
581	TCJB336M006R0070	C	B	33	70				2000	
581	TCJA476M6R200	C	A	47	200				2000	
581	TCJB476M6R70	C	B	47	70				2000	
581	TCJK476M006R0150	C	K	47	150				2500	
581	TCJK476M006R	C	K	47	200				2500	
581	TCJT476M6R80	C	T	47	80				2500	
581	TCJT476M006R0120	C	T	47	120				2500	
581	TCJB686M006R0055	C	B	68	55				2000	
581	TCJB686M6R70	C	B	68	70				4000	
581	TCJC686M6R100	C	C	68	100				2000	
581	TCJB107M6R70	C	B	100	70				2000	
581	TCJB107M006R0045	C	B	100	45				2000	
581	TCJB157M006R0070	C	B	150	70				2000	
581	TCJH157M006R0200	C	H	150	200				2500	
581	TCJ1000157M6R70	C	W	150	70				2000	
581	TCJB227M006R0200	C	B	220	200				2000	
581	TCJY337M006R0040	C	Y	330	40				1000	
581	TCJY337M006R0050	C	Y	330	50				1000	
10 Volts										
581	TCJK475M010R0500	C	K	47	500				3000	
581	TCJR475M010R500	C	R	47	500				2500	
581	TCJA106M10R300	C	A	10	300				2000	
581	TCJA156M10R200	C	A	15	200				2000	
581	TCJB226M10R300	C	B	22	300				2000	
581	TCJT226M10R150	C	T	22	150				2500	
581	TCJB336M10R200	C	B	33	200				2000	
581	TCJC336M10R100	C	C	33	100				500	
581	TCJT336M010R0070	C	T	33	70				2500	
581	TCJT336M10R150	C	T	33	150				2500	

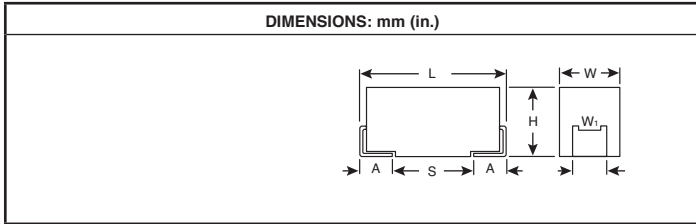
TCJ SERIES CONT.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Case Size	Value (µF)	ESR (mΩ) @ 100 kHz	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
10 Volts (Cont.)										
581	TCJB336M010R0070	C	B	33	70				2000	
581	TCJB476M10R70	C	C	47	70				2000	
581	TCJC476M10R100	C	C	47	100				500	
16 Volts										
581	TCJA685M16R200	C	A	6.8	200				2000	
581	TCJA106M16R200	C	A	10	200				2000	
581	TCJB106M16R0200	C	B	10	200				2000	
581	TCJT106M16R150	C	T	10	150				2500	
581	TCJT106M16R0200	C	T	10	200				2500	
581	TCJE107M016R0040	C	E	100	45				400	
581	TCJB156M16R150	C	B	15	150				4000	
581	TCJE157M016R0040	C	E	150	40				400	
581	TCJB226M16R150	C	B	22	150				2000	
581	TCJY336M016R0070	C	Y	33	70				1000	
581	TCJY476M016R0070	C	Y	47	70				1000	
20 Volts										
581	TCJE107M020R0045	C	E	100	45				400	
581	TCJY226M020R0070	C	Y	22	70				1000	
581	TCJY336M020R0070	C	Y	33	70				1000	
581	TCJY476M020R0070	C	Y	47	70				1000	
581	TCJE686M020R0045	C	E	68	45				400	
25 Volts										
581	TCJP105M025R0500	C	P	1	500				2500	
581	TCB106M025R	B	B	10	100				2500	
581	TCB156M025R	B	B	15	100				2500	
581	TCB226M025R	B	B	22	100				2500	
581	TCJC226M025R0100	C	C	22	100				500	
581	TCJD226M025R0080	C	D	22	60				500	
581	TCJ336M025R0080	C	D	33	60				500	
581	TCJD476M025R0080	C	D	47	60				500	
35 Volts										
581	TCB155M035R0200	C	B	1.5	200				2000	
581	TCB225M035R0200	C	B	2.2	200				2000	
581	TCB335M035R0200	C	B	3.3	200				2000	
581	TCB475M035R0200	C	B	4.7	200				2000	
581	TCJC475M035R0200	C	C	4.7	200				500	
581	TCJC685M035R0200	C	C	6.8	200				500	
581	TCJB106M035R	C	B	10	200				2500	

AVX Tantalum Chip Capacitors

RoHS Compliant This product is RoHS compliant.



TAJ SERIES 125°C STANDARD TANTALUM CHIP CAPACITORS



Features & Specifications:

- General purpose SMT chip tantalum series
- 6 case sizes available
- Capacitance range: 0.1 μ F to 2200 μ F
- Temperature range: -55°C to 125°C
- Reliability: 1% per 1000 hours at 85°C, V_R with 0.1 Ω /V series impedance, 60% confidence level

Code	EIA Code	L+0.2(0.008)	W+0.2(0.008) -0.1(0.008)	H+0.2(0.008) -0.1(0.004)	W _t ± 0.2 (0.008)	A+0.3(0.012) -0.2(0.008)	S Min.
A	1206	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)	1.2 (0.031)	0.8 (0.031)	1.1 (0.043)
B	1210	3.5 (0.138)	2.8 (0.110)	1.9 (0.075)	2.2 (0.087)	0.8 (0.031)	1.4 (0.055)
C	2312	6.0 (0.236)	3.2 (0.126)	2.6 (0.102)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
D	2917	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
E	2917	7.3 (0.287)	4.3 (0.169)	4.1 (0.162)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
R	0805	2.05 (0.081)	1.30 (0.051)	1.20 (0.047)	1.0±0.1 (0.039±0.004)	0.50 (0.020)	0.85 (0.033)
S	1206-12	3.20(0.126)	1.60(0.063)	1.20(0.047)	1.20(0.047)	0.80(0.031)	1.10(0.043)
V	2924	7.3 (0.287)	6.1 (0.24)	3.45±0.30 (0.136±0.012)	3.1 (0.12)	1.4 (0.055)	4.4 (0.173)

W_t dimension applies to the termination width for A dimensional area only.

For quantities greater than listed, call for quote.

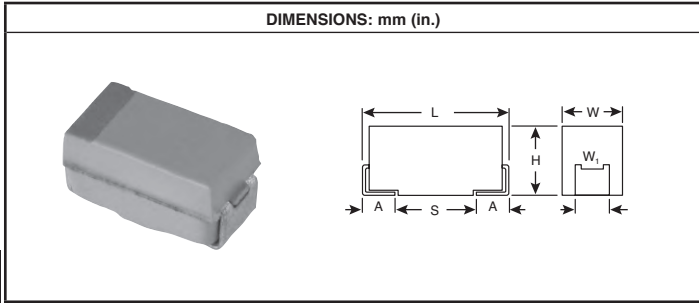
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Case Size	Value (μ F)	Tol (%)	Price Each		Reel Qty.	Price Per Piece
					1	100		
4 Volt								
581-TAJA336K004RNJ	TAJA336K004RNJ	A	33	10			2000	
581-TAJA476M004R	TAJA476M004RNJ	A	47	20			2000	
581-TAJB476M004RNJ	TAJB476M004RNJ	B	47	20			2000	
581-TAJA476K004R	TAJA476K004RNJ	A	47	10			2000	
581-TAJB107M004RNJ	TAJB107M004RNJ	B	100	20			2000	
581-TAJB107K004RNJ	TAJB107K004RNJ	B	100	10			2000	
581-TAJC227K004RNJ	TAJC227K004RNJ	C	220	10			500	
581-TAJC337K004R	TAJC337K004RNJ	C	330	10			500	
581-TAJC477K004RNJ	TAJC477K004RNJ	C	470	10			500	
581-TAJD477K004RNJ	TAJD477K004RNJ	D	470	10			500	
6.3 Volt								
581-TAJB106M006R	TAJB106M006RNJ	B	10	20			2000	
581-TAJA336K006R	TAJA336K006RNJ	A	33	10			2000	
581-TAJB476K006R	TAJB476K006RNJ	B	47	10			2000	
581-TAJC476M006	TAJC476M006RNJ	C	47	20			500	
581-TAJB686K006R	TAJB686K006RNJ	B	68	10			2000	
581-TAJC157K006R	TAJC157K006RNJ	C	150	10			500	
581-TAJD227M006R	TAJD227M006RNJ	D	220	20			500	
581-TAJE337K006R	TAJE337K006RNJ	E	330	10			400	
581-TAJC337K006RNJ	TAJC337K006RNJ	C	330	10			500	
581-TAJD337K006RNJ	TAJD337K006RNJ	D	330	10			500	
581-TAJE687K006RNJ	TAJE687K006RNJ	E	680	10			400	
10 Volt								
581-TAJA225K010	TAJA225K010RNJ	A	2.2	10			2000	
581-TAJA335K010	TAJA335K010RNJ	A	3.3	10			2000	
581-TAJA475K010	TAJA475K010RNJ	A	4.7	10			2000	
581-TAJA475K010RNJ	TAJA475K010RNJ	S	4.7	10			2500	
581-TAJB685K010R	TAJB685K010RNJ	B	6.8	10			2000	
581-TAJA685K010	TAJA685K010RNJ	A	6.8	10			2000	
581-TAJA106K010	TAJA106K010RNJ	A	10	10			2000	
581-TAJB106K010	TAJB106K010RNJ	B	10	10			2000	
581-TAJB156K010	TAJB156K010RNJ	B	15	10			2000	
581-TAJA156K010R	TAJA156K010RNJ	A	15	10			2000	
581-TAJA336K010RNJ	TAJA336K010RNJ	A	33	10			2000	
581-TAJC336K010R	TAJC336K010RNJ	C	33	10			500	
581-TAJD476K010	TAJD476K010RNJ	D	47	10			500	
581-TAJC476K010	TAJC476K010RNJ	C	47	10			500	
581-TAJD686K010R	TAJD686K010RNJ	D	68	10			500	
581-TAJB686K010RNJ	TAJB686K010RNJ	B	68	10			2000	
581-TAJC686K010R	TAJC686K010RNJ	C	68	10			500	
581-TAJD107K010	TAJD107K010RNJ	D	100	10			500	
581-TAJD157K010R	TAJD157K010RNJ	D	150	10			500	
581-TAJC227K010RNJ	TAJC227K010RNJ	C	220	10			500	
581-TAJV337K010	TAJV337K010RNJ	V	330	10			400	
581-TAJD337K010R	TAJD337K010RNJ	D	330	10			500	
581-TAJV477K010R	TAJV477K010RNJ	V	470	10			400	
16 Volt								
581-TAJA105K016SNJ	TAJA105K016SNJ	A	1	10			8000	
581-TAJA105K016	TAJA105K016RNJ	A	1	10			2000	
581-TAJA155K016R	TAJA155K016RNJ	A	1.5	10			2000	
581-TAJA225K016	TAJA225K016RNJ	A	2.2	10			2000	
581-TAJR225M016RNJ	TAJR225M016RNJ	R	2.2	20			2500	
581-TAJA335K016	TAJA335K016RNJ	A	3.3	10			2000	
581-TAJR335M016RNJ	TAJR335M016RNJ	R	3.3	20			2500	
581-TAJB475K016	TAJB475K016RNJ	B	4.7	10			2000	
581-TAJB475M016S	TAJB475M016S	B	4.7	20			8000	
581-TAJC685K016	TAJC685K016RNJ	C	6.8	10			500	
581-TAJB685K016	TAJB685K016RNJ	B	6.8	10			2000	
581-TAJR685M010RNJ	TAJR685M010RNJ	R	6.8	20			2500	

MOUSER STOCK NO.	AVX Part No.	Case Size	Value (μ F)	Tol (%)	Price Each		Reel Qty.	Price Per Piece
					1	100		
16 Volt (Cont.)								
581-TAJC106K016PNJ	TAJC106K016PNJ	C	10	10			3000	
581-TAJB106K016	TAJB106K016RNJ	B	10	10			2000	
581-TAJC156K016R	TAJC156K016RNJ	C	15	10			500	
581-TAJB156K016R	TAJB156K016RNJ	B	15	10			2000	
581-TAJD476K016	TAJD476K016RNJ	D	47	10			500	
581-TAJC686K016R	TAJC686K016RNJ	C	68	10			500	
581-TAJC107K016RNJ	TAJC107K016RNJ	C	100	10			500	
581-TAJD157K016R	TAJD157K016RNJ	D	150	10			500	
581-TAJE227K016R	TAJE227K016RNJ	E	220	10			400	
581-TAJE337M016RNJ	TAJE337M016RNJ	E	330	20			400	
20 Volt								
581-TAJA105K020	TAJA105K020RNJ	A	1	10			2000	
581-TAJA155K020R	TAJA155K020RNJ	A	1.5	10			2000	
581-TAJA225K020R	TAJA225K020RNJ	A	2.2	10			2000	
581-TAJA335K020	TAJA335K020RNJ	A	3.3	10			2000	
581-TAJB475K020	TAJB475K020RNJ	B	4.7	10			2000	
581-TAJC475M020RNJ	TAJC475M020RNJ	C	4.7	20			500	
581-TAJB685K020R	TAJB685K020RNJ	B	6.8	10			2000	
581-TAJA685K020R	TAJA685K020RNJ	A	6.8	10			2000	
581-TAJC685K020R	TAJC685K020RNJ	C	6.8	10			500	
581-TAJC106K020	TAJC106K020RNJ	C	10	10			500	
581-TAJD226K020	TAJD226K020RNJ	D	22	10			500	
581-TAJD226K020PNJ	TAJD226K020PNJ	D	22	10			2500	
581-TAJC336K020R	TAJC336K020RNJ	C	33	10			500	
581-TAJD476K020R	TAJD476K020RNJ	D	47	10			500	
581-TAJE686K020	TAJE686K020RNJ	E	68	10			400	
25 Volt								
581-TAJA474K025	TAJA474K025RNJ	A	0.47	10			2000	
581-TAJA105K025	TAJA105K025RNJ	A	1	10			2000	
581-TAJA155M025R	TAJA155M025RNJ	A	1.5	20			2000	
581-TAJA155K025R	TAJA155K025RNJ	A	1.5	10			2000	
581-TAJB155K025R	TAJB155K025RNJ	B	1.5	10			2000	
581-TAJB225K025	TAJB225K025RNJ	B	2.2	10			2000	
581-TAJC335M025RNJ	TAJC335M025RNJ	C	3.3	20			500	
581-TAJC475K025	TAJC475K025RNJ	C	4.7	10			500	
581-TAJB685K025R	TAJB685K025RNJ	B	6.8	10			2000	
581-TAJC685K025	TAJC685K025RNJ	C	6.8	10			500	
581-TAJC106K025	TAJC106K025RNJ	C	10	10			500	
581-TAJC106K025S	TAJC106K025SNJ	C	10	10			3000	
581-TAJC106M025R	TAJC106M025RNJ	C	10	20			500	
581-TAJB106K025RNJ	TAJB106K025RNJ	B	10	10			2000	
581-TAJD106K025R	TAJD106K025RNJ	D	10	10			500	
581-TAJD156K025R	TAJD156K025RNJ	D	15	10			500	
581-TAJC226K025R	TAJC226K025RNJ	C	22	10			500	
581-TAJD336K025	TAJD336K025RNJ	D	33	10			500	
581-TAJV107K025	TAJV107K025RNJ	V	100	10			400	
35 Volt								
581-TAJA104K035	TAJA104K035RNJ	A	0.10	10			2000	
581-TAJA224K035R	TAJA224K035RNJ	A	0.22	10			2000	
581-TAJA474K035	TAJA474K035RNJ	A	0.47	10			2000	
581-TAJB474K035R	TAJB474K035RNJ	B	0.47	10			2000	
581-TAJA684K035RNJ	TAJA684K035RNJ	A	0.68	10			2000	
581-TAJB105K035	TAJB105K035RNJ	B	1	10			2000	
581-TAJA155K035R	TAJA155K035RNJ	A	1.5	10			2000	
581-TAJB155K035R	TAJB155K035RNJ	B	1.5	10			2000	
581-TAJB225K035R	TAJB225K035RNJ	B	2.2	10			2000	
581-TAJC225K035	TAJC225K035RNJ	C	2.2	10			500	
5								

AVX Tantalum Chip Capacitors

RoHS Compliant This product is RoHS compliant.



Code	EIA Code	L	W	H	W ₁	A	S Min.
A	1206	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)	1.2 (0.031)	0.8 (0.031)	1.1 (0.043)
B	1210	3.5 (0.138)	2.8 (0.110)	1.9 (0.075)	2.2 (0.087)	0.8 (0.031)	1.4 (0.055)
C	2312	6.0 (0.236)	3.2 (0.126)	2.6 (0.102)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
D	2917	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
E	2917	7.3 (0.287)	4.3 (0.169)	4.1 (0.162)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
R	0805	2.05(0.081)	1.30(0.051)	1.20(0.047)	1.0±0.1 (0.039±0.004)	0.50(0.020)	0.85(0.033)
S	1206-12	3.20(0.126)	1.60(0.063)	1.20(0.047)	1.20(0.047)	0.80(0.031)	1.10(0.043)
T	1210-12	3.50(0.138)	2.80(0.110)	1.20(0.047)	2.20(0.087)	0.80(0.031)	1.40(0.055)
V	2924	7.3 (0.287)	6.1 (0.24)	3.45±0.30 (0.136±0.012)	3.1 (0.12)	1.4 (0.055)	4.4 (0.173)
W	2312-15	6.00(0.236)	3.20(0.126)	1.50(0.059)	2.20(0.087)	1.30(0.051)	2.90(0.114)
X	2917-15	7.30(0.287)	4.30(0.169)	1.50(0.059)	2.40(0.094)	1.30(0.051)	4.40(0.173)
Y	2917-20	7.30(0.287)	4.30(0.169)	2.00(0.079)	2.40(0.094)	1.30(0.051)	4.40(0.173)

TAJ SERIES 125°C STANDARD TANTALUM CHIP CAPACITORS (CONT.)

Features & Specifications:

- General purpose SMT chip tantalum series
- 6 case sizes available
- Capacitance range: 0.1µF to 2200µF
- Temperature range: -55°C to 125°C
- Reliability: 1% per 1000 hours at 85°C, V_R with 0.1Ω/V series impedance, 60% confidence level



MOUSER STOCK NO.	AVX Part No.	Case Size	Value (µF)	Tol (%)	Price Each		Tape and Reel	
					1	100	Qty.	Price Each
35 Volt (Cont.)								
581-TAJW335K035R	TAJW335K035RNJ	W	3.3	10			1000	
581-TAJD475K035	TAJD475K035RNJ	D	4.7	10			500	
581-TAJC685K035R	TAJC685K035RNJ	C	6.8	10			500	
581-TAJD685K035R	TAJD685K035RNJ	D	6.8	10			500	
581-TAJD106K035	TAJD106K035RNJ	D	10	10			500	
581-TAJY106K035R	TAJY106K035RNJ	Y	10	10			1000	
581-TAJE476K035	TAJE476K035RNJ	E	47	10			400	
50 Volt								
581-TAJA104K050	TAJA104K050RNJ	A	0.10	10			2000	
581-TAJA224K050RNJ	TAJA224K050RNJ	A	0.22	10			2000	
581-TAJB334K050R	TAJB334K050RNJ	B	0.33	10			2000	
581-TAJB474K050RNJ	TAJB474K050RNJ	B	0.47	10			2000	
581-TAJB105K050R	TAJB105K050RNJ	B	1	10			2000	
581-TAJB155K050RNJ	TAJB155K050RNJ	B	1.5	10			2000	
581-TAJC155K050RNJ	TAJC155K050RNJ	C	1.5	10			500	
581-TAJB225K050RNJ	TAJB225K050RNJ	B	2.2	10			2000	
581-TAJD225K050SNJ	TAJD225K050SNJ	D	2.2	10			2500	
581-TAJD225K050R	TAJD225K050RNJ	D	2.2	10			500	
581-TAJC335K050RNJ	TAJC335K050RNJ	C	3.3	10			500	
581-TAJD335K050R	TAJD335K050RNJ	D	3.3	10			500	
581-TAJC475K050RNJ	TAJC475K050RNJ	C	4.7	10			500	
581-TAJD685M050S	TAJD685M050SNJ	D	6.8	20			2500	
581-TAJC685K050RNJ	TAJC685K050RNJ	C	6.8	10			500	
581-TAJD685K050	TAJD685K050RNJ	D	6.8	10			500	
581-TAJE106K050	TAJE106K050RNJ	E	10	10			400	
581-TAJD156K050RNJ	TAJD156K050RNJ	D	15	10			500	
581-TAJE156K050RNJ	TAJE156K050RNJ	E	15	10			400	
581-TAJV226K050	TAJV226K050RNJ	V	22	10			400	

TAJ SERIES - 125°C LOW PROFILE TANTALUM CHIP CAPACITORS

Features & Specifications:

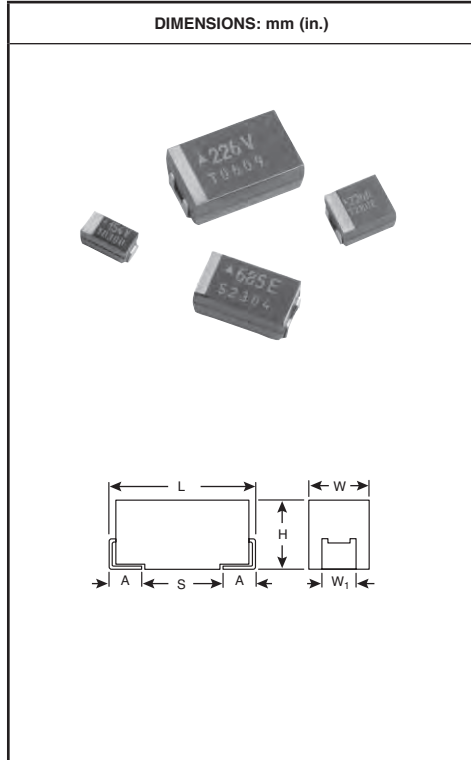
- General purpose SMT chip tantalum series
- 6 case sizes available
- Capacitance range: 0.1 µF to 2200µF
- Temperature range: -55°C to 125°C
- Reliability: 1% per 1000 hours at 85°C, V_R with 0.1Ω/V series impedance, 60% confidence level

MOUSER STOCK NO.	AVX Part No.	Case Size	Value (µF)	Tol (%)	Price Each		Tape and Reel	
					1	100	Qty.	Price Each
6.3 Volt								
581-TAJS225M006RNJ	TAJS225M006RNJ	S	2.2	20			2500	
581-TAJR475K006RNJ	TAJR475K006RNJ	R	4.7	10			2500	
581-TAJT226M006R	TAJT226M006RNJ	T	22	20			2500	
581-TAJT476K006RNJ	TAJT476K006RNJ	T	47	10			2500	
581-TAJY337K006RNJ	TAJY337K006RNJ	Y	330	10			1000	
581-TAJY477K006RNJ	TAJY477K006RNJ	Y	470	10			1000	
10 Volt								
581-TAJS335K010RNJ	TAJS335K010RNJ	S	3.3	10			2500	
581-TAJR475K010R	TAJR475K010RNJ	R	4.7	10			2500	
581-TAJT106K010R	TAJT106K010RNJ	T	10	10			2500	
581-TAJW476K010R	TAJW476K010RNJ	W	47	10			1000	
581-TAJX107K010R	TAJX107K010RNJ	X	100	10			1000	
581-TAJY227K010R	TAJY227K010RNJ	Y	220	10			1000	
16 Volt								
581-TAJT335K016RNJ	TAJT335K016RNJ	T	3.3	10			2500	
581-TAJS475M016R	TAJS475M016RNJ	S	4.7	20			2500	
581-TAJT106K016R	TAJT106K016RNJ	T	10	10			2500	
581-TAJY107K016R	TAJY107K016RNJ	Y	100	10			1000	
20 Volt								
581-TAJR104K020R	TAJR104K020RNJ	R	0.10	10			2500	
581-TAJR474K020R	TAJR474K020RNJ	R	0.47	10			2500	
581-TAJR105K020R	TAJR105K020RNJ	R	1	10			2500	
581-TAJR225K020RNJ	TAJR225K020RNJ	R	2.2	10			2500	
25 Volt								
581-TAJW106K025R	TAJW106K025RNJ	W	10	10			1000	
581-TAJY476K025RNJ	TAJY476K025RNJ	Y	47	10			1000	
35 Volt								
581-TAJT225K035RNJ	TAJT225K035RNJ	T	2.2	10			2500	

AVX Tantalum Chip Capacitors



AVX HIGH TEMPERATURE AND PROFESSIONAL TANTALUM CHIP CAPACITORS



THJ Series: High Temperature

Features:

- Twice improved reliability
- 175°C @ 0.5V_R continuous operation
- CV range: 0.1-220µF/6.3-50V
- Low ESR options on approval
- High temperature automotive and industry applications

Specifications:

- Technical data: All technical data relate to an ambient temperature of +25°C
- Capacitance range: 0.1µF to 150µF
- Temperature range: -55°C to 175°C voltage derating
- Reliability: 0.5% per 1000 hours at 85°C, V_R with 0.1ΩV series impedance, 60% confidence level, 3.5 fits at 40°C, 0.5V_R

TRJ Series: Professional

Features:

- Twice improved reliability
- DLC reduced by 25% to 0.0075CV
- Robust against higher thermo-mechanical stresses during assembly process
- CV range: 0.1-470µF/6.3-50V
- 114 low ESR parts released
- Automotive, medical, aerospace, military and other high-end applications

Specifications:

- Technical data: All technical data relate to an ambient temperature of +25°C
- Capacitance range: 0.1 µF to 470µF
- Leakage current DCL: 0.0075CV
- Temperature range: -55°C to +125°C
- Reliability: 0.5% per 1000 hours at 85°C, V_R with 0.1ΩV series impedance 60% confidence level

DIMENSIONS: mm (in.)							
Code	EIA Code	L±0.2(0.008)	W+0.2(0.008) -0.1(0.008)	H+0.2(0.008) -0.1(0.004)	W ₁ ± 0.2 (0.008)	A+0.3(0.012) -0.2(0.008)	S Min.
A	3216	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)	1.2 (0.031)	0.8 (0.031)	1.1 (0.043)
B	3528	3.5 (0.138)	2.8 (0.110)	1.9 (0.075)	2.2 (0.087)	0.8 (0.031)	1.4 (0.055)
C	6032	6.0 (0.236)	3.2 (0.126)	2.6 (0.102)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
D	7343	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
E	7343	7.3 (0.287)	4.3 (0.169)	4.1 (0.162)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
V	7361	7.3 (0.287)	6.1 (0.24)	3.45±0.30 (0.136±0.012)	3.1 (0.12)	1.4 (0.055)	4.4 (0.173)

W, dimension applies to the termination width for A dimensional area only.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	Volts	Case Size	ESR Max.Ω@ 100kHz	Price Each		Tape and Reel	
						1	100	Qty.	Price Per Piece
THJ Series									
581-THJA475K006R	THJA475K006RJN	4.7	6.3	A	6			2000	
581-THJA106K006R	THJA106K006RJN	10	6.3	A	2.2			2000	
581-THJB226K006R	THJB226K006RJN	22	6.3	B	2.5			2000	
581-THJB336K006R	THJB336K006RJN	33	6.3	B	1.7			2000	
581-THJC476K006R	THJC476K006RJN	47	6.3	C	1.6			2000	
581-THJC686K006R	THJC686K006RJN	68	6.3	C	1.5			500	
581-THJD107K006R	THJD107K006RJN	100	6.3	D	.4			500	
581-THJD157K006R	THJD157K006RJN	150	6.3	D	.9			500	
581-THJA335K010R	THJA335K010RJN	3.3	10	A	5.5			2000	
581-THJA685K010R	THJA685K010RJN	6.8	10	A	2.6			2000	
581-THJB106K010R	THJB106K010RJN	10	10	B	1.8			2000	
581-THJB156K010R	THJB156K010RJN	15	10	B	1.5			2000	
581-THJB226K010R	THJB226K010RJN	22	10	B	2.4			2000	
581-THJC336K010R	THJC336K010RJN	33	10	C	1.6			2000	
581-THJD686K010R	THJD686K010RJN	68	10	D	.4			500	
581-THJD107K010R	THJD107K010RJN	100	10	D	.4			2000	
581-THJE227K010AJH	THJE227K010AJH	220	10	E	.25			400	
581-THJE227K010R	THJE227K010R	220	10	E	.5			400	
581-THJA225K016R	THJA225K016R	2.2	16	A	6.5			500	
581-THJB475K016R	THJB475K016R	4.7	16	B	3.5			2000	
581-THJA685K016R	THJA685K016R	6.8	16	A	2.5			2000	
581-THJB685K016R	THJB685K016R	6.8	16	B	2.5			2000	
581-THJB106K016R	THJB106K016R	10	16	B	2.8			2000	
581-THJC226K016R	THJC226K016R	22	16	C	1.6			2000	
581-THJC336K016R	THJC336K016R	33	16	C	.6			2000	
581-THJC476K016R	THJC476K016R	47	16	C	.9			500	
581-THJD476K016R	THJD476K016R	47	16	D	.9			500	
581-THJD686K016R	THJD686K016R	68	16	D	.9			500	
581-THJE107K016AJH	THJE107K016AJH	100	16	E	.25			400	
581-THJE107K016R	THJE107K016R	100	16	E	.4			400	
581-THJA155K020R	THJA155K020R	1.5	20	A	1.7			2000	
581-THJB335K020R	THJB335K020R	3.3	20	B	3			2000	
581-THJC156K020R	THJC156K020R	15	20	C	1.7			2000	
581-THJD336K020R	THJD336K020R	33	20	D	.9			500	
581-THJD336M020R	THJD336M020R	33	20	D	.9			500	
581-THJA474K025R	THJA474K025R	.47	25	A	14			2000	
581-THJA684K025R	THJA684K025R	.68	25	A	10			2000	
581-THJB225K025R	THJB225K025R	2.2	25	B	4.5			2000	
581-THJC685K025R	THJC685K025R	6.8	25	C	2			2000	
581-THJC106K025R	THJC106K025R	10	25	C	1.8			2000	
581-THJD226K025R	THJD226K025R	22	25	D	.9			2000	
581-THJD336K025R	THJD336K025R	33	25	D	.5			2000	
581-THJA104K035R	THJA104K035R	.1	35	A	24			500	
581-THJA154K035R	THJA154K035R	.15	35	A	21			2000	
581-THJA224K035R	THJA224K035R	.22	35	A	18			2000	
581-THJB474K035R	THJB474K035R	.47	35	B	10			2000	
581-THJB684K035R	THJB684K035R	.68	35	B	8			2000	
581-THJB105K035R	THJB105K035R	1	35	B	6.5			2000	
581-THJC155K035R	THJC155K035R	1.5	35	C	4.5			500	
581-THJC225K035R	THJC225K035R	2.2	35	C	3.5			500	
581-THJC475K035R	THJC475K035R	4.7	35	C	2.2			2000	
581-THJD685K035R	THJD685K035R	6.8	35	D	1.3			2000	
581-THJD106K035R	THJD106K035R	10	35	D	1			500	
581-THJD156K035R	THJD156K035R	15	35	D	.9			2000	
581-THJD226K035R	THJD226K035R	22	35	D	.9			2000	
581-THJE336K035R	THJE336K035R	33	35	E	.5			400	
581-THJD335K050R	THJD335K050R	3.3	50	D	1.1			500	
581-THJD475K050R	THJD475K050R	4.7	50	D	.9			2000	
581-THJD685K050R	THJD685K050R	6.8	50	D	.7			500	
581-THJD106K050R	THJD106K050R	10	50	D	.7			500	
581-THJE106K050R	THJE106K050R	10	50	E	.7			400	
TRJ Series									
581-TRJE337M006R0150	TRJE337M006R0150	330	6.3	E	150			400	
581-TRJB685M016RRJ	TRJB685M016RRJ	6.8	16	B	2600			2000	
581-TRJC226M016RRJ	TRJC226M016RRJ	22	16	C	700			500	
581-TRJC106K020R0500	TRJC106K020R0500	10	20	C	500			500	
581-TRJC106M020RRJ	TRJC106M020RRJ	10	20	C	2200			500	
581-TRJD336M020RRJ	TRJD336M020RRJ	33	20	D	600			500	
581-TRJE686K020R0200	TRJE686K020R0200	68	20	E	200			400	
581-TRJE107M020R0150	TRJE107M020R0150	100	20	E	150			400	
581-TRJB335M025RRJ	TRJB335M025RRJ	3.3	25	B	3700			2000	
581-TRJC106K025RRJ	TRJC106K025RRJ	10	25	C	800			500	
581-TRJD476K025R0250	TRJD476K025R0250	47	25	D	250			500	
581-TRJB105K035RRJ	TRJB105K035RRJ	1	35	B	2000			2000	
581-TRJC106K035R0600	TRJC106K035R0600	10	35	C	600			500	
581-TRJD106K035RRJ	TRJD106K035RRJ	10	35	D	800			500	
581-TRJD685M050RRJ	TRJD685M050RRJ	6.8	50	D	700			500	

Tantalum Caps, SMD AVX

KEMET Tantalum Polymer Surface Mount Capacitors

The Capacitance Company



T520 SERIES - 105°C LOW ESR, KO-CAP

ROHS Compliant This product is ROHS compliant.

Features:

- Polymer Cathode Technology
- Low ESR
- High Frequency Cap Retention
- No-Ignition Failure Mode
- EIA Standard Case Sizes
- 100% Surge Current Tested
- 20% tolerance

Electrical Specifications:

- Operating Temperature Range: -55°C to +105°C
- Voltage listed is at 85°C, Derate 25% at 105°C
- Reverse Voltage Rating & Polarity:

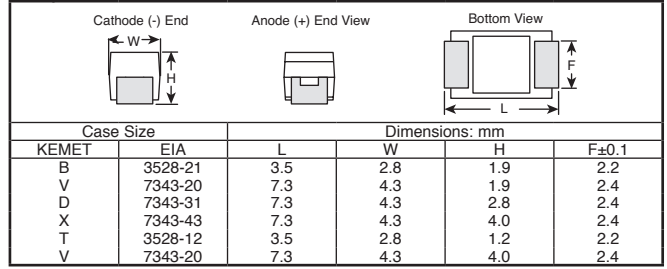
Polymer tantalum capacitors are polar devices and may be permanently damaged or destroyed if connected in the wrong polarity. The positive terminal is identified by a laser-marked stripe and may also include a beveled edge. These capacitors will withstand a small degree of transient voltage reversal for short periods. Please note that these parts may not be operated continuously in reverse.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
					1	100		
2.5 Volt								
80-T520A476M2R5ATE90	T520A476M2R5ATE090	47	90	A			2000	
80-T520A686M2R5ATE70	T520A686M2R5ATE070	68	70	A			2000	
80-T520B227M2R5ATE15	T520B227M2R5ATE015	220	15	B			2000	
80-T520V227M2R5E15	T520V227M2R5E015	220	15	V			1000	
80-T520B227M2R5E35	T520B227M2R5E035	220	35	B			2000	
80-T520V337M2R5ATE9	T520V337M2R5ATE009	330	9	V			1000	
80-T520L337M2R5ATE25	T520L337M2R5ATE025	330	25	L			1000	
80-T520W337M2R5ATE40	T520W337M2R5ATE040	330	40	W			1000	
80-T520B337M2R5ATE45	T520B337M2R5ATE045	330	45	B			2000	
80-T520V477M2R5ATE07	T520V477M2R5ATE007	470	7	V			1000	
80-T520D477M2R5ATE9	T520D477M2R5ATE009	470	9	D			1000	
80-T520D477M2R5ATE9	T520D477M2R5ATE009	470	9	D			500	
80-T520D687M2R5ATE10	T520D687M2R5ATE010	680	10	D			500	
80-T520D687M2R5ATE15	T520D687M2R5ATE015	680	15	D			500	
80-T520Y108M2R5ATE15	T520Y108M2R5ATE015	1000	15	Y			500	
80-T520D108M2R5ATE30	T520D108M2R5ATE030	1000	30	D			500	
3 Volt								
80-T520B157M3ATE40	T520B157M3003ATE040	150	40	B			2000	
80-T520V337M303ATE015	T520V337M3003ATE015	330	15	V			1000	
80-T520V337M3003	T520V337M3003ATE025	330	25	V			1000	
80-T520T336M10ATE040	T520T336M10ATE040	330	40	T			2500	
80-T520D687M3ATE15	T520D687M3003ATE015	680	15	D			500	
80-T520X108M3E15	T520X108M3003ATE015	1000	15	X			500	
4 Volt								
80-T520A476M4ATE70	T520A476M004ATE070	47	70	A			2000	
80-T520T476M4E70	T520T476M004ATE070	47	70	T			2500	
80-T520B686M4ATE40	T520B686M004ATE040	68	40	B			2000	
80-T520B686M004	T520B686M004ATE070	68	70	B			2000	
80-T520B107M4ATE35	T520B107M004ATE035	100	35	B			2000	
80-T520T107M4ATE150	T520T107M004ATE150	100	50	T			2500	
80-T520T107M4ATE70	T520T107M004ATE070	100	70	T			2500	
80-T520B107M004	T520B107M004ATE070	100	70	B			2000	
80-T520B157M4ATE15	T520B157M004ATE015	150	15	B			2000	
80-T520C157M4ATE25	T520C157M004ATE025	150	25	C			2000	
80-T520B157M4E40	T520B157M004ATE040	150	40	B			2000	
80-T520V227M4ATE9	T520V227M004ATE009	220	9	V			1000	
80-T520D227M4ATE12	T520D227M004ATE012	220	12	D			500	
80-T520C227M4ATE015	T520C227M004ATE015	220	15	C			500	
80-T520V227M4ATE015	T520V227M004ATE015	220	15	V			1000	
80-T520V227M4E25	T520V227M004ATE025	220	25	V			1000	
80-T520B227M4ATE45	T520B227M004ATE045	220	45	B			2000	
80-T520V227M004	T520V227M004ATE045	220	45	V			1000	
80-T520B227M4ATE70	T520B227M004ATE070	220	70	B			2000	
80-T520D337M4ATE07	T520D337M004ATE007	330	7	D			500	
80-T520D337M4E9	T520D337M004ATE009	330	9	D			500	
80-T520V337M4ATE9	T520V337M004ATE009	330	9	V			1000	
80-T520D477M4ATE10	T520D477M004ATE010	470	10	D			500	
80-T520D477M4E15	T520D477M004ATE015	470	15	D			500	
80-T520D477M4E25	T520D477M004ATE025	470	25	D			500	
80-T520D477M004	T520D477M004ATE040	470	40	D			500	
80-T520Y687M4ATE15	T520Y687M004ATE015	680	15	Y			500	
80-T520D687M4ATE25	T520D687M004ATE025	680	25	D			500	
80-T520V337M4E25	T520V337M004ATE025	330	25	V			1000	
6.3 Volt								
80-T520T156M6E100	T520T156M006ATE100	15	100	T			2500	
80-T520A226M6ATE90	T520A226M006ATE090	22	90	A			2000	
80-T520B336M6ATE40	T520B336M006ATE040	33	40	B			2000	
80-T520B336M6E70	T520B336M006ATE070	33	70	B			2000	
80-T520C336M6ATE100	T520C336M006ATE100	33	100	C			500	
80-T520B476M006ATE25	T520B476M006ATE025	47	25	B			2000	
80-T520T476M6ATE40	T520T476M006ATE040	47	40	T			2500	
80-T520B476M6ATE40	T520B476M006ATE040	47	40	B			2000	
80-T520T476M06ATE070	T520T476M006ATE070	47	70	T			2500	
80-T520B476M06	T520B476M006ATE070	47	70	B			2000	
80-T520B686M6ATE025	T520B686M006ATE025	68	25	B			2000	
80-T520B686M6E40	T520B686M006ATE040	68	40	B			2000	
80-T520B686M006	T520B686M006ATE070	68	70	B			2000	
80-T520V107M6ATE9	T520V107M006ATE009	100	9	V			1000	
80-T520B107M6ATE15	T520B107M006ATE015	100	15	B			2000	
80-T520V107M6ATE15	T520V107M006ATE015	100	15	V			1000	
80-T520B107M6ATE18	T520B107M006ATE018	100	18	B			2000	
80-T520C107M6ATE25	T520C107M006ATE025	100	25	C			500	
80-T520W107M6ATE40	T520W107M006ATE040	100	40	W			1000	
80-T520B107M6ATE40	T520B107M006ATE040	100	40	B			2000	
80-T520B107M6ATE45	T520B107M006ATE045	100	45	B			2000	
80-T520C107M6ATE45	T520C107M006ATE045	100	45	C			500	
80-T520B107M006E070	T520B107M006ATE070	100	70	B			2000	
80-T520T107M006ATE70	T520T107M006ATE070	100	70	T			2500	
80-T520D157M6E15	T520D157M006ATE015	150	15	D			500	
80-T520V157M6E15	T520V157M006ATE015	150	15	V			1000	
80-T520B157M006ATE25	T520B157M006ATE025	150	25	B			2000	
80-T520L157M6ATE25	T520L157M006ATE025	150	25	L			500	

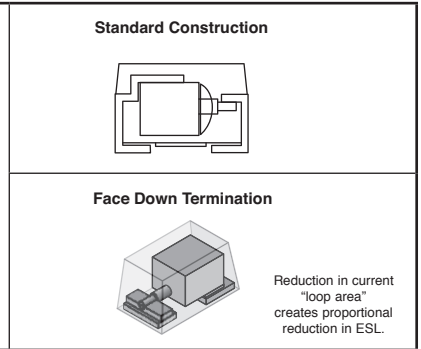
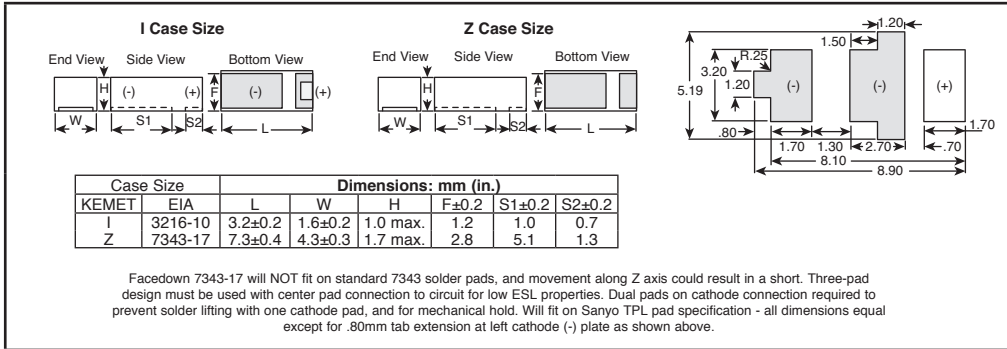


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
					1	100		
6.3 Volt (Cont.)								
80-T520V157M006	T520V157M006ATE045	150	45	V			1000	
80-T520D157M006	T520D157M006ATE055	150	55	D			500	
80-T520B157M06ATE70	T520B157M006ATE070	150	70	B			2000	
80-T520V227M6ATE7	T520V227M006ATE007	220	7	V			1000	
80-T520D227M6E9	T520D227M006ATE009	220	9	D			500	
80-T520V227M6ATE9	T520V227M006ATE009	220	9	V			1000	
80-T520D227M6E15	T520D227M006ATE015	220	15	D			500	
80-T520C227M6ATE018	T520C227M006ATE018	220	18	C			500	
80-T520B227M006ATE35	T520B227M006ATE035	220	35	B			2000	
80-T520D227M6E40	T520D227M006ATE040	220	40	D			500	
80-T520V227M6E40	T520V227M006ATE040	220	40	V			1000	
80-T520B227M006ATE45	T520B227M006ATE045	220	45	B			2000	
80-T520D227M006	T520D227M006ATE050	220	50	D			500	
80-T520B227M006ATE70	T520B227M006ATE070	220	70	B			2000	
80-T520D337M006ATE9	T520D337M006ATE009	330	9	D			500	
80-T520D337M6E15	T520D337M006ATE015	330	15	D			500	
80-T520D337M6ATE18	T520D337M006ATE018	330	18	D			500	
80-T520V337M6ATE18	T520V337M006ATE018	330	18	V			1000	
80-T520D337M006	T520D337M006ATE045	330	45	D			500	
80-T520Y477M6ATE15	T520Y477M006ATE015	470	15	Y			500	
80-T520X477M6E18	T520X477M006ATE018	470	18	X			500	
80-T520D477M6ATE25	T520D477M006ATE025	470	25	D			500	
80-T520Y477M6E25	T520Y477M006ATE025	470	25	Y			500	
80-T520D477M006	T520D477M006ATE030	470	30	D			500	
80-T520X477M6E35	T520X477M006ATE035	470	35	X			500	
80-T520Y477M6ATE35	T520Y477M006ATE035	470	35	Y			500	
80-T520X477M006	T520X477M006ATE040	470	40	X			500	
8 Volt								
80-T520B336M008ATE025	T520B336M008ATE025	33	25	B			2000	
80-T520B336M6E70	T520B336M008ATE070	33	70	B			2000	
80-T520B476M8ATE								

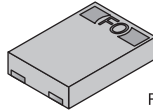
KEMET Tantalum Polymer Surface Mount Capacitors

The Capacitance Company
KEMET
CHARGED.



T528 SERIES FACE DOWN TERMINATION TANTALUM SURFACE MOUNT CAPACITORS

- Features:**
- Low ESR
 - 100% Surge Current Testing
 - Polymer Cathode Technology
 - Low ESL: <0.7nH@20MHz
 - Lead (Pb) free 260°C Reflow Capable
 - RoHS compliant/Halogen Free
 - High Frequency Cap Retention
 - Non-Ignition Failure Mode
 - 105°C Max. Temperature Capability
 - 100% Accelerated Steady State Aging
 - Self-Healing Mechanism
 - Improved Volumetric Efficiency
 - Use up to 90% VR
 - Tolerance: ±20%



RoHS Compliant

NEW
PRODUCT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	ESR mΩ @25°C 100kHz Max.	Case Code	Price Each			Reel Qty.	Price Per Piece
					1	25	100		
2.5 Volt Rating @ 105°C									
80-T528Z337M2R5ATE8	T528Z337M2R5ATE008	330	8	Z				1000	
80-T528Z477M2R5ATE8	T528Z477M2R5ATE008	470	8	Z				1000	
80-T528Z477M2R5ATE9	T528Z477M2R5ATE009	470	9	Z				1000	
4 Volt Rating @ 105°C									
80-T528Z227M4ATE009	T528Z227M004ATE009	220	9	Z				1000	
80-T528Z227M4ATE012	T528Z227M004ATE012	220	12	Z				1000	
80-T528Z337M4ATE009	T528Z337M004ATE009	330	9	Z				1000	
80-T528Z337M4ATE012	T528Z337M004ATE012	330	12	Z				1000	
6.3 Volt Rating @ 105°C									
80-T528I476M6ATE150	T528I476M006ATE150	47	150	I				3000	
80-T528Z157M6ATE009	T528Z157M006ATE009	150	9	Z				1000	
80-T528Z157M6ATE012	T528Z157M006ATE012	150	12	Z				1000	
80-T528Z227M6ATE009	T528Z227M006ATE009	220	9	Z				1000	
80-T528Z227M6ATE012	T528Z227M006ATE012	220	12	Z				1000	
10 Volt Rating @ 105°C									
80-T528I336M10ATE150	T528I336M010ATE150	33	150	I				3000	

TANTALUM ENGINEERING KIT - 08, LOW ESR POLYMER

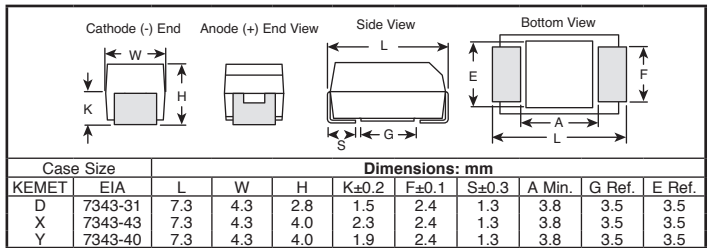
KEMET Part Number	Size Code KEMET EIA	Cap (µF)	Voltage	Cap. Tol.	ESR 100kHz Ω
T520D337M2R5ATE007	D	7343-31	330	2.5±20%	7
T520B686M004ATE040	B	3528-21	68	4±20%	40
T520V227M004ATE007	V	7343-20	220	4±20%	7
T520Y687M004ATE015	Y	7343-40	680	4±20%	15
T520A226M006ATE100	A	3216-18	22	6.3±20%	100
T520T476M006ATE070	T	3528-12	47	6.3±20%	70
T520B336M006ATE070	B	3528-21	33	6.3±20%	70
T520V157M006ATE015	V	7343-20	150	6.3±20%	15
T520D337M006ATE040	D	7343-31	330	6.3±20%	40
T520X337M010ATE025	X	7343-43	330	10±20%	25
T520W476M016ATE045	W	7343-15	47	16±20%	45
T528I476M006ATE150	I	3216-10	47	6.3±20%	150
T528I336M010ATE150	I	3216-10	33	10±20%	150
T530X158M2R5ATE005	X	7343-43	150	2.5±20%	5
T530Y687M004ATE005	Y	7343-40	680	4±20%	5
A700V476M006ATE025	V	7343-20	47	6.3±20%	25
A700D107M006ATE015	D	7343-31	100	6.3±20%	15
A700X157M006ATE010	X	7343-43	150	6.3±20%	10
A700V106M016ATE045	V	7343-20	10	16±20%	45

MOUSER STOCK NO.	Price Each
80-TANENKIT13	

T530 SERIES - 125°C LOW ESR, KO-CAP

- Features for T530:**
- Highest CV in Standard EIA Size
 - Extremely low ESR
 - 125°C Max. temperature capability
 - Polymer Cathode technology
 - High frequency capacitance retention
 - Non-Ignition failure mode
 - Molded case (pick-and-place precision)
 - 100% Accelerated steady state aging
 - 100% Surge current testing
 - Utilizes multiple tantalum anode technology
 - Volumetric efficiency
 - Use up to 90% of rated voltage (10% Derating)
 - Self-healing mechanism

NEW
PRODUCT



For quantities greater than listed, call for quote.


MOUSER STOCK NO.	KEMET Part No.	Value (µF)	ESR mΩ @25°C 100kHz Max.	Case Code	Price Each			Reel Qty.	Price Per Piece
					1	10	100		
2.5 Volt Rating @ 105°C (1.7 Volt Rating at 125°C)									
80-T530D477M2R5E6	T530D477M2R5ATE006	470	6	D				500	
80-T530D567M2R5E5	T530D567M2R5ATE005	560	5	D				500	
80-T530D687M2R5E10	T530D687M2R5ATE010	680	10	D				500	
80-T530X108M2R5ATE5	T530X108M2R5ATE005	1000	5	X				500	
80-T530Y108M2R5ATE5	T530Y108M2R5ATE005	1000	5	Y				500	
80-T530X108M2R5ATE6	T530X108M2R5ATE006	1000	6	X				500	
80-T530X158M2R5ATE5	T530X158M2R5ATE005	1500	5	X				500	
3 Volt Rating @ 105°C (2 Volt Rating at 125°C)									
80-T530D687M3ATE10	T530D687M003ATE010	680	10	D				500	
80-T530X108M003	T530X108M003ATE010	1000	10	X				500	
80-T530X158M003	T530X158M003ATE008	1500	8	X				500	
80-T530X158M3AHE8	T530X158M003AHE008	1500	8	X				500	
4 Volt Rating @ 105°C (2.7 Volt Rating at 125°C)									
80-T530D337M4ATE6	T530D337M004ATE006	330	6	D				500	
80-T530D477M004ATE6	T530D477M004ATE006	470	6	D				500	
80-T530D477M004	T530D477M004ATE010	470	10	D				500	
80-T530X687M4ATE4-TR	T530X687M004ATE004	680	4	X				500	
80-T530Y687M4ATE5	T530Y687M004ATE005	680	5	Y				500	
80-T530X687M4ATE6	T530X687M004ATE006	680	6	X				500	
80-T530X687M004	T530X687M004ATE010	680	10	X				500	
80-T530X108M4ATE6	T530X108M004ATE006	1000	6	X				500	
6.3 Volt Rating @ 105°C (4.2 Volt Rating at 125°C)									
80-T530D227M6E6	T530D227M006ATE006	220	6	D				500	
80-T530Y337M6ATE6	T530Y337M006ATE006	330	6	Y				500	
80-T530D337M6ATE6	T530D337M006ATE006	330	6	D				500	
80-T530D337M6ATE10	T530D337M006ATE010	330	10	D				500	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	ESR mΩ @25°C 100kHz Max.	Case Code	Price Each			Reel Qty.	Price Per Piece
					1	10	100		
6.3 Volt Rating @ 105°C (4.2 Volt Rating at 125°C) (Cont.)									
80-T530X477M006ATE4	T530X477M006ATE004	470	4	X				500	
80-T530Y477M6ATE5	T530Y477M006ATE005	470	5	Y				500	
80-T530X477M006ATE5	T530X477M006ATE005	470	5	X				500	
80-T530X477M6ATE6	T530X477M006ATE006	470	6	X				500	
80-T530X477M006AHE6	T530X477M006AHE006	470	6	X				500	
80-T530X477M006	T530X477M006ATE010	470	10	X				500	
80-T530X477M006AH	T530X477M006AHE010	470	10	X				500	
80-T530X687M006ATE10	T530X687M006ATE010	680	10	X				500	
80-T530X687M006ATE18	T530X687M006ATE018	680	18	X				500	
10 Volt Rating @ 105°C (5.3 Volt Rating at 125°C)									
80-T530D157M010E06	T530D157M010ATE006	150	6	D				500	
80-T530D157M010ATE10	T530D157M010ATE010	150	10	D				500	
80-T530D227M010ATE6	T530D227M010ATE006	220	6	D				500	
80-T530Y227M010ATE6	T530Y227M010ATE006	220	6	Y				500	
80-T530D227M010ATE10	T530D227M010ATE010	220	10	D				500	
80-T530X337M010ATE4	T530X337M010ATE004	330	4	X				500	
80-T530X337M010ATE5	T530X337M010ATE005	330	5	X				500	
80-T530X337M010E06	T530X337M010ATE006	330	6	X				500	
80-T530X337M010	T530X337M010ATE010	330	10	X				500	
16 Volt Rating @ 105°C (10.6 Volt Rating at 125°C)									
80-T530X157M16ATE025	T530X157M016ATE025	150	25	X				500	
80-T530X157M16ATE40	T530X157M016ATE040	150	40	X				500	

KEMET Tantalum Polymer Surface Mount Capacitors

The Capacitance Company
KEMET
CHARGED.™

 This product is RoHS compliant.

T545 SERIES HIGH ENERGY, LOW ESR POLYMER SURFACE MOUNT CAPACITORS

Features:

- Extremely low ESR
- High energy delivery capability
- 55°C to +85°C operating temperature range
- Polymer cathode technology
- High frequency capacitance retention
- Non-ignition failure mode
- Capacitance up to 1,500µF
- Voltage: 6.3-16V
- 100% accelerated steady state aging
- 100% surge current tested
- 100% thermal shock
- Volumetric efficiency, very high capacitance
- Self-healing mechanism

Applications:

- Power hold-up
- Data hardening
- Vaulting for enterprise and military SSDs



RoHS Compliant

Case Codes		DIMENSIONS: mm					
KEMET	EIA	L	W	H	F±0.1	S±0.3	
W	7343-15	7.3±0.3	4.3±0.3	1.5 max	2.4	1.3	
X	7343-43	7.3±0.3	6.0±0.3	4.0±0.3	2.4	1.3	
H	7260-20	7.3±0.3	6.0±0.3	2.0 max	4.1	1.3	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Fig.	Value (µF)	ESR mΩ @25°C 100kHz Max.	Case Code	Price Each			Reel Qty.	Price Per Piece
						1	50	100		
80-T545H187M16ATE55	T545H187M016ATE055	A	180	55	H				500	
80-T545X227M16ATE35	T545X227M016ATE035	A	220	35	X				500	
80-T545X337M16ATE25	T545X337M016ATE025	A	330	25	X				500	
80-T545Y337M10ATE35	T545Y337M010ATE035	A	330	35	X				500	
80-T545W477M6ATE35	T545W477M006ATE035	A	470	35	W				500	
80-T545H158M6ATE35	T545H158M006ATE035	A	1500	35	H				500	

T543 SERIES LOW ESR ORGANIC POLYMER, KO-CAP

Features:

- 55°C to +105°C operating temperature range
- High frequency capacitance retention
- Capacitance up to 1,500µF
- 100% accelerated steady state aging
- 100% surge current tested
- Surge options at 25°C and -55°C/85°C

Applications:

- DC/DC converters
- Point of load power supply
- Radar pulse capacitor
- Telecommunications (mobile phone and base station)



RoHS Compliant

Case Codes		DIMENSIONS: mm												
KEMET	EIA	L	W	H	F±0.1	S±0.3	B±0.15	X	P	R	T	A (Min)	G	E
X	7343-43	3.2±0.2	1.6±0.2	1.6±0.2	1.2	0.8	0.4	0.1±0.1	0.4	0.4	0.13	1.4	1.1	1.3

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Fig.	Value (µF)	ESR mΩ @25°C 100kHz Max.	Case Code	Price Each			Reel Qty.	Price Per Piece
						1	50	100		
80-T543X336M50AHE40	T543X336M050AHE040	B	33	40	X				500	
80-T543X476M35AHE30	T543X476M035AHE030	B	47	30	X				500	
80-T543X107M25AHE60	T543X107M025AHE060	B	100	60	X				500	
80-T543X337M10AHE10	T543X337M010AHE010	B	330	10	X				500	
80-T543X337M16AHE25	T543X337M016AHE025	B	330	25	X				500	
80-T543X158M3AHE8	T543X158M003AHE008	B	1500	8	X				500	

T521 SERIES HIGH VOLTAGE ORGANIC POLYMER, KO-CAP

Features:

- Voltage ratings to 63V
- Volumetric efficiency
- Stable temperature characteristics
- Up to 330µF capacitance value
- High ripple current capability
- Low ESR
- Pb Free when ordered with 100% Sn termination

Applications:

- DC/DC converters
- Power supply input
- Military/aerospace and industrial markets



RoHS Compliant

Case Codes		DIMENSIONS: mm												
KEMET	EIA	L	W	H	F±0.1	S±0.3	B±0.15	X	P	R	T	A (Min)	G	E
D	7343-31	7.3±0.3	4.3±0.3	2.8±0.3	2.4	1.3	0.5	0.1±0.1	0.9	1.0	0.13	3.8	3.5	3.5
V	7343-19	7.3±0.3	4.3±0.3	1.9 max	2.4	1.3	n/a	0.05	n/a	n/a	0.13	3.8	3.5	3.5
X	7343-43	7.3±0.3	4.3±0.3	1.5	2.4	1.3	n/a	0.05	n/a	n/a	0.13	3.8	3.5	3.5

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Fig.	Value (µF)	ESR mΩ @25°C 100kHz Max.	Case Code	Price Each			Reel Qty.	Price Per Piece
						1	50	100		
80-T521D475M63ATE300	T521D475M063ATE300	C	4.7	300	D				1000	
80-T521D565M50ATE70	T521D565M050ATE070	C	5.6	70	D				500	
80-T521D565M50ATE90	T521D565M050ATE090	C	5.6	90	D				500	
80-T521D685M50ATE70	T521D685M050ATE070	C	6.8	70	D				500	
80-T521D685M50ATE90	T521D685M050ATE090	C	6.8	90	D				500	
80-T521V685M50ATE70	T521V685M050ATE070	C	6.8	70	V				1000	
80-T521V685M50ATE90	T521V685M050ATE090	C	6.8	90	V				1000	
80-T521D106M50ATE90	T521D106M050ATE090	C	10	90	D				500	
80-T521X126M50ATE45	T521X126M050ATE045	C	12	45	X				500	
80-T521X126M50ATE70	T521X126M050ATE070	C	12	70	X				500	
80-T521V156M25ATE90	T521V156M025ATE090	C	15	90	V				1000	
80-T521V156M40ATE125	T521V156M040ATE125	C	15	125	V				1000	
80-T521X156M63ATE150	T521X156M063ATE150	C	15	150	X				500	
80-T521X186M50ATE35	T521X186M050ATE035	C	18	35	X				500	
80-T521X186M50ATE70	T521X186M050ATE070	C	18	70	X				500	
80-T521V226M25ATE90	T521V226M025ATE090	C	22	90	V				1000	
80-T521D476M16ATE80	T521D476M016ATE080	C	47	80	D				500	
80-T521D686M16ATE50	T521D686M016ATE050	C	68	50	D				500	
80-T521V107M16ATE65	T521V107M016ATE065	C	100	65	V				1000	
80-T521V107M16ATE90	T521V107M016ATE090	C	100	90	V				1000	


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For current pricing, visit mouser.com

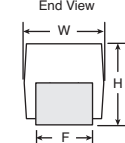
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DIMENSIONS: mm

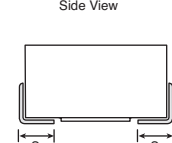
A



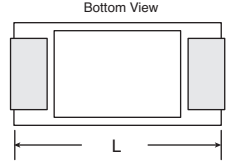
End View




Side View



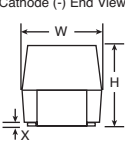
Bottom View



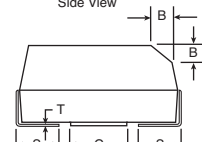
B



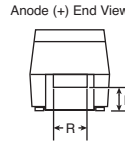
Cathode (-) End View



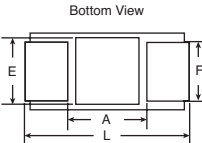
Side View



Anode (+) End View




Bottom View

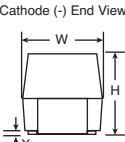


Termination cutout at KEMET's option, either end

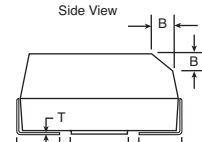
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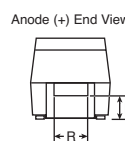
Cathode (-) End View



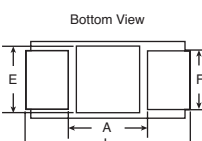
Side View



Anode (+) End View



Bottom View



Termination cutout at KEMET's option, either end

NEW AT MOUSER

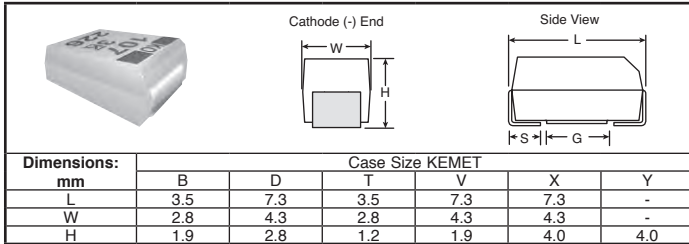
Tantalum Caps, SMD

KEMET

NEW AT MOUSER

NEW AT MOUSER

KEMET Tantalum Polymer Surface Mount Capacitors



T540 SERIES HIGH RELIABILITY ORGANIC POLYMER, KO-CAP

Features:

- Operating temperature range: -55°C to +125°C
- High frequency capacitance retention
- Safe failure mode
- Surge current testing options
- Self-healing mechanism
- Volumetrically efficient
- Low ESR
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
					1	100		
10 Volt								
80-T540B336M10AH6710	T540B336M010AH6710	33	80	B			500	
80-T540D157M10AH6710	T540D157M010AH6710	150	55	D			500	
80-T540D227M10AH6710	T540D227M010AH6710	220	25	D			500	
16 Volt								
80-T540D476M16AH6710	T540D476M016AH6710	47	65	D			500	
35 Volt								
80-T540D156M35AH6510	T540D156M035AH6510	15	75	D			500	
50 Volt								
80-T540D106M50AH6710	T540D106M050AH6710	10	100	D			500	

T541 SERIES HIGH RELIABILITY ORGANIC POLYMER, KO-CAP

Features:

- Operating temperature range: -55°C to +125°C
- Utilizes multiple tantalum anode technology
- High frequency capacitance retention
- Safe failure mode
- 100% accelerated steady state aging
- Surge current testing options
- Volumetric efficiency
- Low ESR
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
					1	100		
4 Volt								
80-T541X687M4AH6710	T541X687M004AH6710	680	10	X			500	
6.3 Volt								
80-T541X477M6AH6710	T541X477M006AH6710	470	10	X			500	
10 Volt								
80-T541X337M10AH6710	T541X337M010AH6710	330	10	X			500	
16 Volt								
80-T541X157M16AH6710	T541X157M016AH6710	150	10	X			500	
80-T541X227M16AH6710	T541X227M016AH6710	220	40	X			500	
80-T541X337M16AH6710	T541X337M016AH6710	330	50	X			500	
35 Volt								
80-T541X476M35AH6510	T541X476M035AH6510	47	60	X			500	
50 Volt								
80-T541X336M50AH6710	T541X336M050AH6710	33	70	X			500	

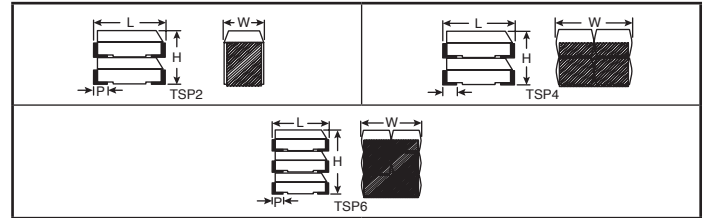
T521 SERIES HIGH VOLTAGE ORGANIC POLYMER, KO-CAP

Features:

- Operating temperature range: -55°C to +105°C
- Volumetrically efficient
- High ripple current capability
- Stable temperature characteristics
- Low ESR
- High reliability
- Safe failure mode
- Low profile design
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
					1	100		
16 Volt								
80-T521V476M16ATE80	T521V476M016ATE080	47	80	V			1000	
80-T521V686M16ATE050	T521V686M016ATE050	68	50	V			1000	
80-T521V686M16ATE90	T521V686M016ATE090	68	90	V			1000	
80-T521D107M16ATE50	T521D107M016ATE050	100	50	D			500	
80-T521V107M16ATE50	T521V107M016ATE050	100	50	V			500	
80-T521X157M16ATE80	T521X157M016ATE080	150	80	X			500	
80-T521X227M16ATE35	T521X227M016ATE035	220	35	X			500	
80-T521X337M16ATE25	T521X337M016ATE025	330	25	X			500	
20 Volt								
80-T521V476M20ATE55	T521V476M020ATE055	47	55	V			1000	
80-T521D476M20ATE55	T521D476M020ATE055	47	55	D			500	
80-T521V476M20ATE90	T521V476M020ATE090	47	90	V			1000	
25 Volt								
80-T521X107M25ATE60	T521X107M025ATE060	100	60	X			500	
80-T521V226M25ATE60	T521V226M025ATE060	220	60	V			1000	
80-T521D336M25ATE60	T521D336M025ATE060	33	60	D			500	
80-T521V336M25ATE60	T521V336M025ATE060	33	60	V			1000	
35 Volt								
80-T521V156M35ATE100	T521V156M035ATE100	15	100	V			1000	
80-T521V156M35ATE125	T521V156M035ATE125	15	125	V			1000	
80-T521D336M35ATE65	T521D336M035ATE065	33	65	D			500	
80-T521X476M35ATE30	T521X476M035ATE030	47	30	X			500	
80-T521X476M35ATE70	T521X476M035ATE070	47	70	X			500	



Case Code	Dimensions: mm (in.)			
	L	W	H	P
2D	8±.38 (.315±.015)	4.4±.20 (.174±.008)	6.2±.38 (.245±.015)	1.9±.38 (.075±.015)
4D	8±.38 (.315±.015)	8.9±.20 (.350±.008)	6.2±.38 (.245±.015)	1.9±.38 (.075±.015)
6D	8±.38 (.315±.015)	8.9±.20 (.350±.008)	9.2±.38 (.365±.015)	1.9±.38 (.075±.015)

TSP SERIES STACK POLYMER SMD CAPACITORS

Features:

- Operating temperature range: -55°C to +125°C
- High volumetric efficiency
- High capacitance
- Custom capacitance up to Milli Farad range
- Ultra low ESR (Single digit milliohms)
- Surge capability
- Surface mountable
- Discrete components EIA Standard
- Case sizes
- High temperature lead attach material (>260°C)
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	ESR (mΩ)	Case Code	Price Each			Reel Qty.	Price Per Piece
					1	50	100		
10 Volt									
80-TSP2D447M010AH	TSP2D447M010AH6510D540	440	12.5	2D					
80-TSP4D887M010AH	TSP4D887M010AH6510D541	880	6.25	4D					
80-TSP6D138M010AH	TSP6D138M010AH6510D540	1320	4.2	6D					
16 Volt									
80-TSP4D197M016AH	TSP4D197M016AH6510D540	188	16.25	4D					

T522 SERIES REDUCED LEAKAGE ORGANIC POLYMER, KO-CAP

Features:

- Operating temperature range: -55°C to +105°C
- High frequency capacitance retention
- Non-ignition failure mode
- Volumetric efficiency
- Self-healing mechanism
- 100% accelerated steady state aging
- 100% surge current tested
- Low profile designs
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
					1	100		
6.3 Volt								
80-T522V157M6ATE25	T522V157M006ATE025	150	25	V			1000	
80-T522V227M6ATE25	T522V227M006ATE025	220	25	V			1000	
80-T522V337M6ATE40	T522V337M006ATE040	330	40	V			1000	
80-T522Y477M6ATE35	T522Y477M006ATE035	470	35	Y			500	

T525 SERIES 125°C LOW ESR ORGANIC POLYMER, KO-CAP

Features:

- Operating temperature range: -55°C to +125°C
- High frequency capacitance retention
- Non-ignition failure mode
- Volumetrically efficient
- Self-healing mechanism
- Halogen free epoxy
- Tolerance: 20%

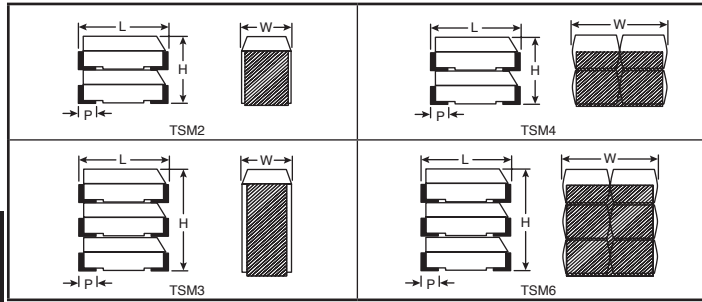
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
					1	100		
2.5 Volt								
80-T525T107M2R5ATE80	T525T107M2R5ATE080	100	80	T			2500	
80-T525D337M2R5ATE25	T525D337M2R5ATE025	330	25	D			500	
80-T525D477M2R5ATE25	T525D477M2R5ATE025	470	25	D			500	
3 Volt								
80-T525B107M3ATE80	T525B107M003ATE080	100	80	B			2000	
80-T525B157M003	T525B157M003ATE080	150	80	B			2000	
80-T525D337M3ATE25	T525D337M003ATE025	330	25	D			500	
80-T525D687M003	T525D687M003ATE025	680	25	D			500	
4 Volt								
80-T525T686M4ATE80	T525T686M004ATE080	68	80	T			2500	
80-T525B686M4ATE80	T525B686M004ATE080	68	80	B			2000	
80-T525D227M4ATE25	T525D227M004ATE025	220	25	D			500	
80-T525D337M4ATE25	T525D337M004ATE025	330	25	D			500	
80-T525D477M4ATE25	T525D477M004ATE025	470	25	D			500	
80-T525D477M004	T525D477M004ATE040	470	40	D			500	
6.3 Volt								
80-T525B336M6ATE80	T525B336M006ATE080	33	80	B			2000	
80-T525T476M6ATE80	T525T476M006ATE080	47	80	T			2500	
80-T525B476M6ATE80	T525B476M006ATE080	47	80	B			2000	
80-T525B686M006	T525B686M006ATE080	68	80	B			2000	
80-T525D227M6ATE25	T525D227M006ATE025	220	25	D			500	
80-T525D337M6ATE25	T525D337M006ATE025	330	25	D			500	
10 Volt								
80-T525B226M10ATE80	T525B226M010ATE080	22	80	B			2000	
80-T525D107M10ATE25	T525D107M010ATE025	100	25	D			500	
80-T525D107M010	T525D107M010ATE055	100	55	D			500	
80-T525D157M10ATE25	T525D157M010ATE025	150	25	D			500	
80-T525D157M010	T525D157M010ATE055	150	55	D			500	
80-T525D227M10ATE25	T525D227M010ATE025	220	25	D			500	
16 Volt								
80-T525D476M16ATE35	T525D476M016ATE035	47	35	D			500	
80-T525D476M016	T525D476M016ATE065	47	65	D			500	

KEMET TSM Stack and T491 SMD Tantalum Caps

The Capacitance Company
KEMET
CHARGED™

TSM SERIES TANTALUM STACK CAPACITORS



Case Code	Dimensions: mm (in.)			
	L	W	H	P
2D	8±.38 (.315±.015)	4.4±.20 (.174±.008)	6.2±.38 (.245±.015)	1.9±.38 (.075±.015)
3D	8±.38 (.315±.015)	4.4±.20 (.174±.008)	9.2±.38 (.365±.015)	1.9±.38 (.075±.015)
4D	8±.38 (.315±.015)	8.9±.20 (.350±.008)	6.2±.38 (.245±.015)	1.9±.38 (.075±.015)
6D	8±.38 (.315±.015)	8.9±.20 (.350±.008)	9.2±.38 (.365±.015)	1.9±.38 (.075±.015)

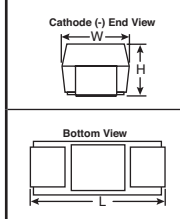
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Case Code	Value (µF)	Price Each			
				1	5	10	25
10V							
80-TSM2D447M10AH6410	TSM2D447M10AH6410D493	2D	440				
80-TSM3D667M10AH6410	TSM3D667M10AH6410D493	3D	660				
80-TSM4D887M10AH6410	TSM4D887M10AH6410D493	4D	880				
80-TSM6D138M10AH6410	TSM6D138M10AH6410D493	6D	1320				

Case Size	KEMET	EIA	Component - Dimensions: mm (in.)		
			L	W	H
A	3216-18		3.2±0.2 (.126±.008)	1.6±0.2 (.063±.008)	1.6±0.2 (.063±.008)
B	3528-21		3.5±0.02 (.138±.008)	2.8±0.2 (.110±.008)	1.9±0.2 (.075±.008)
C	6032-28		6.0±0.3 (.236±.03)	3.2±0.3 (.126±.012)	2.5±0.3 (.098±.012)
D	7343-31		7.3±0.3 (.287±.012)	4.3±0.3 (.169±.012)	2.8±0.3 (.098±.012)
E	7260-38		7.3 (.287)	6.0 (.236)	3.6 (.142)
S	3216-12		3.2±0.2 (.126±.008)	1.6±0.2 (.063±.008)	1.2 (.047)
T	3528-12		3.5±0.2 (.138±.008)	2.8±0.2 (.110±.008)	1.2 (.047)
U	6032-15		6.0±0.3 (.236±.03)	3.2±0.2 (.110±.008)	1.5 (.059)
V	7343-20		7.3±0.3 (.287±.012)	4.3±0.3 (.169±.012)	2.0 (.079)
X	7343-43		7.3±0.3 (.287±.012)	4.3±0.3 (.169±.012)	4.0±0.3 (.157±.012)



RoHS Compliant



T491 SERIES (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
6.3V (Cont.)								
80-T491A475K006	T491A475K006AT	4.7	A	10%			2000	
80-T491S475K006	T491S475K006AT	4.7	S	10%			2500	
80-T491B685K006	T491B685K006AT	6.8	B	10%			2000	
80-T491A106K006	T491A106K006AT	10	A	10%			2000	
80-T491B106M006	T491B106M006AT	10	B	20%			2000	
80-T491B106K006	T491B106K006AT	10	B	10%			2000	
80-T491T106K006	T491T106K006AT	10	T	10%			2500	
80-T491A156K006	T491A156K006AT	15	A	10%			2000	
80-T491A226M006	T491A226M006AT	22	A	20%			2000	
80-T491B226M006	T491B226M006AT	22	B	20%			2000	
80-T491B226K006	T491B226K006AT	22	B	10%			2000	
80-T491C226M006	T491C226M006AT	22	C	20%			500	
80-T491C226K006	T491C226K006AT	22	C	10%			500	
80-T491B336K006	T491B336K006AT	33	B	10%			2000	
80-T491C336M006	T491C336M006AT	33	C	20%			500	
80-T491C336K006	T491C336K006AT	33	C	10%			500	
80-T491A476M006	T491A476M006AT	47	A	20%			2000	
80-T491B476M006	T491B476M006AT	47	B	20%			2000	
80-T491B476K006	T491B476K006AT	47	B	10%			2000	
80-T491C476K006	T491C476K006AT	47	C	10%			500	
80-T491D476K006	T491D476K006AT	47	D	10%			500	
80-T491U476M006	T491U476M006AT	47	U	20%			1000	
80-T491A686K006	T491A686K006AT	68	A	10%			2000	
80-T491B686M006	T491B686M006AT	68	B	20%			2000	
80-T491B686K006	T491B686K006AT	68	B	10%			2000	
80-T491C686K006	T491C686K006AT	68	C	10%			500	
80-T491D686M006	T491D686M006AT	68	D	20%			500	
80-T491D686K006	T491D686K006AT	68	D	10%			500	
80-T491B107M006	T491B107M006AT	100	B	20%			2000	
80-T491C107K006	T491C107K006AT	100	C	10%			500	
80-T491D107M006	T491D107M006AT	100	D	20%			500	
80-T491D107K006	T491D107K006AT	100	D	10%			500	
80-T491V107K006	T491V107K006AT	100	V	10%			1000	
80-T491D157M006	T491D157M006AT	150	D	20%			500	
80-T491D157K006	T491D157K006AT	150	D	10%			500	
80-T491D227M006	T491D227M006AT	220	D	20%			500	
80-T491D227K006	T491D227K006AT	220	D	10%			500	
80-T491X227K006	T491X227K006AT	220	X	10%			500	
80-T491D337K006	T491D337K006AT	330	D	10%			500	
80-T491X337K006	T491X337K006AT	330	X	10%			500	
80-T491D477M006	T491D477M006AT	470	D	20%			500	
80-T491E477K006	T491E477K006AT	470	E	10%			500	
80-T491X477K006	T491X477K006AT	470	X	10%			500	
80-T491E687M006	T491E687M006AT	680	E	20%			500	
10V								
80-T491A155K010	T491A155K010AT	1.5	A	10%			2000	
80-T491A225M010	T491A225M010AT	2.2	A	20%			2000	
80-T491A225K010	T491A225K010AT	2.2	A	10%			2000	
80-T491A335K010	T491A335K010AT	3.3	A	10%			2000	
80-T491A475K010	T491A475K010AT	4.7	A	10%			2000	
80-T491B475K010	T491B475K010AT	4.7	B	10%			2000	
80-T491B475M010	T491B475M010AT	4.7	B	20%			2000	
80-T491S475K010	T491S475K010AT	4.7	S	10%			2500	
80-T491A685M010	T491A685M010AT	6.8	A	20%			2000	
80-T491A685K010	T491A685K010AT	6.8	A	10%			2000	
80-T491B685K010	T491B685K010AT	6.8	B	10%			2000	
80-T491B685M010	T491B685M010AT	6.8	B	20%			2000	
80-T491T685K010	T491T685K010AT	6.8	T	10%			2500	
80-T491A106K010	T491A106K010AT	10	A	10%			2000	
80-T491B106K010	T491B106K010AT	10	B	10%			2000	
80-T491B106M010	T491B106M010AT	10	B	20%			2000	
80-T491C106M010	T491C106M010AT	10	C	20%			500	
80-T491C106K010	T491C106K010AT	10	C	10%			500	
80-T491T106K010	T491T106K010AT	10	T	10%			2500	
80-T491A156K010	T491A156K010AT	15	A	10%			2000	
80-T491B156M010	T491B156M010AT	15	B	20%			2000	
80-T491B156K010	T491B156K010AT	15	B	10%			2000	
80-T491C156K010	T491C156K010AT	15	C	10%			500	
80-T491C156M010	T491C156M010AT	15	C	20%			500	
80-T491A226K010	T491A226K010AT	22	A	10%			2000	
80-T491A226M010	T491A226M010AT	22	A	20%			2000	
80-T491B226K010	T491B226K010AT	22	B	10%			2000	
80-T491B226M010	T491B226M010AT	22	B	20%			2000	
80-T491C226K010	T491C226K010AT	22	C	10%			500	
80-T491C226M010	T491C226M010AT	22	C	20%			500	
80-T491D226K010	T491D226K010AT	22	D	10%			500	
80-T491A336K010	T491A336K010AT	33	A	10%			2000	
80-T491B336K010	T491B336K010AT	33	B	10%			2000	
80-T491C336K010	T491C336K010AT	33	C	10%			500	
80-T491C336M010	T491C336M010AT	33	C	20%			500	
80-T491D336K010	T491D336K010AT	33	D	10%			500	
80-T491D336M010	T491D336M010AT	33	D	20%			500	
80-T491U336K010	T491U336K010AT	33	U	10%			1000	
80-T491B476M010	T491B476M010AT	47	B	20%			2000	
80-T491C476K010	T491C476K010AT	47	C	10%			500	
80-T491C476M010	T491C476M010AT	47	C	20%			500	
80-T491D476K010	T491D476K010AT	47	D	10%			500	
80-T491D476M010	T491D476M010AT	47	D	20%			500	
80-T491V476K010	T491V476K010AT	47	V	10%			1000	
80-T491B686M010	T491B686M010AT	68	B	20%			2000	
80-T491C686M010	T491C686M010AT	68	C	20%			500	
80-T491C686K010	T491C686K010AT	68	C	10%			500	
80-T491D686M010	T491D686M010AT	68	D	20%			500	

T491 SERIES

For quantities greater than listed, call for quote.

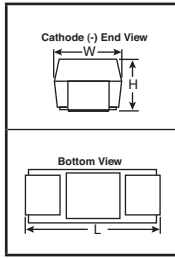
MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
4V								
80-T491A335K004	T491A335K004AT	3.3	A	10%			2000	
80-T491A475K004	T491A475K004AT	4.7	A	10%			2000	
80-T491A685K004	T491A685K004AT	6.8	A	10%			2000	
80-T491A106K004	T491A106K004AT	10	A	10%			2000	
80-T491B106K004	T491B106K004AT	10	B	10%			2000	
80-T491S106K004	T491S106K004AT	10	S	10%			2500	
80-T491A156K004	T491A156K004AT	15	A	10%			2000	
80-T491B156K004	T491B156K004AT	15	B	10%			2000	
80-T491T156K004	T491T156K004AT	15						

KEMET T491 SMD Tantalum Capacitors

RoHS Compliant This product is RoHS compliant.

T491 SERIES (CONT.)

Case Size		Component - Dimensions: mm (in.)			
KEMET	EIA	L	W	H	
A	3216-18	3.2±0.2 (.126±0.008)	1.6±0.2 (.063±0.008)	1.6±0.2 (.063±0.008)	
B	3528-21	3.5±0.02 (.138±0.0008)	2.8±0.2 (.110±0.008)	1.9±0.2 (.075±0.008)	
C	6032-28	6.0±0.3 (.236±0.03)	3.2±0.3 (.126±0.012)	2.5±0.3 (.098±0.012)	
D	7343-31	7.3±0.3 (.287±0.012)	4.3±0.3 (.169±0.012)	2.8±0.3 (.098±0.012)	
E	7260-38	7.3 (.287)	6.0 (.236)	3.6 (.142)	
T	3528-12	3.5±0.2 (.138±0.008)	2.8±0.2 (.110±0.008)	1.2 (.047)	
U	6032-15	6.0±0.3 (.236±0.03)	3.2±0.2 (.110±0.008)	1.5 (.059)	
V	7343-20	7.3±0.3 (.287±0.012)	4.3±0.3 (.169±0.012)	2.0 (.079)	
X	7343-43	7.3±0.3 (.287±0.012)	4.3±0.3 (.169±0.012)	4.0±0.3 (.157±0.012)	



T491 SERIES (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
10V (Cont.)								
80-T491D686K010	T491D686K010AT	68	D	10%			500	
80-T491V686K010	T491V686K010AT	68	V	10%			1000	
80-T491C107M010	T491C107M010AT	100	C	20%			500	
80-T491D107K010	T491D107K010AT	100	D	10%			500	
80-T491D107M010	T491D107M010AT	100	D	20%			500	
80-T491V107K010	T491V107K010AT	100	V	10%			1000	
80-T491C157K010	T491C157K010AT	150	C	10%			500	
80-T491D157M010	T491D157M010AT	150	D	20%			500	
80-T491D157K010	T491D157K010AT	150	D	10%			500	
80-T491X157K010	T491X157K010AT	150	X	10%			500	
80-T491D227K010	T491D227K010AT	220	D	10%			500	
80-T491X227K010	T491X227K010AT	220	X	10%			500	
80-T491D337K010	T491D337K010AT	330	D	10%			500	
80-T491D337M010	T491D337M010AT	330	D	20%			500	
80-T491E337K010	T491E337K010AT	330	E	10%			500	
80-T491X337K010	T491X337K010AT	330	X	10%			500	
80-T491E477M010	T491E477M010AT	470	E	20%			500	
16V								
80-T491A105K016	T491A105K016AT	1	A	10%			2000	
80-T491A155K016	T491A155K016AT	1.5	A	10%			2000	
80-T491A225K016	T491A225K016AT	2.2	A	10%			2000	
80-T491B225K016	T491B225K016AT	2.2	B	10%			2000	
80-T491S225K016	T491S225K016AT	2.2	S	10%			2500	
80-T491A335K016	T491A335K016AT	3.3	A	10%			2000	
80-T491B335K016	T491B335K016AT	3.3	B	10%			2000	
80-T491B335M016	T491B335M016AT	3.3	B	20%			2000	
80-T491A475K016	T491A475K016AT	4.7	A	10%			2000	
80-T491B475K016	T491B475K016AT	4.7	B	10%			2000	
80-T491B475M016	T491B475M016AT	4.7	B	20%			2000	
80-T491C475K016	T491C475K016AT	4.7	C	10%			500	
80-T491T475K016	T491T475K016AT	4.7	T	10%			2500	
80-T491A685K016	T491A685K016AT	6.8	A	10%			2000	
80-T491B685M016	T491B685M016AT	6.8	B	20%			2000	
80-T491B685K016	T491B685K016AT	6.8	B	10%			2000	
80-T491C685M016	T491C685M016AT	6.8	C	20%			500	
80-T491A106M016	T491A106M016AT	10	A	20%			2000	
80-T491A106K016	T491A106K016AT	10	A	10%			2000	
80-T491B106K016	T491B106K016AT	10	B	10%			2000	
80-T491B106M016	T491B106M016AT	10	B	20%			2000	
80-T491C106K016	T491C106K016AT	10	C	10%			500	
80-T491C106M016	T491C106M016AT	10	C	20%			500	
80-T491T106K016	T491T106K016AT	10	T	10%			2500	
80-T491T106M016	T491T106M016AT	10	T	20%			2500	
80-T491U106K016	T491U106K016AT	10	U	10%			1000	
80-T491U106M016	T491U106M016AT	10	U	20%			1000	
80-T491B156K016	T491B156K016AT	15	B	10%			2000	
80-T491C156K016	T491C156K016AT	15	C	10%			500	
80-T491B226K016	T491B226K016AT	22	B	10%			2000	
80-T491C226K016	T491C226K016AT	22	C	10%			500	
80-T491C226M016	T491C226M016AT	22	C	20%			500	
80-T491D226K016	T491D226K016AT	22	D	10%			500	
80-T491D226M016	T491D226M016AT	22	D	20%			500	
80-T491C336M016	T491C336M016AT	33	C	20%			500	
80-T491C336K016	T491C336K016AT	33	C	10%			500	
80-T491D336K016	T491D336K016AT	33	D	10%			500	
80-T491D336M016	T491D336M016AT	33	D	20%			500	
80-T491C476M016	T491C476M016AT	47	C	20%			500	
80-T491C476K016	T491C476K016AT	47	C	10%			500	
80-T491D476K016	T491D476K016AT	47	D	10%			500	
80-T491V476K016	T491V476K016AT	47	V	10%			1000	
80-T491C686K016	T491C686K016AT	68	C	10%			500	
80-T491D686K016	T491D686K016AT	68	D	10%			500	
80-T491D107K016	T491D107K016AT	100	D	10%			500	
80-T491V107K016	T491V107K016AT	100	V	10%			1000	
80-T491X107M016	T491X107M016AT	100	X	20%			500	
80-T491X107K016	T491X107K016AT	100	X	10%			500	
80-T491D157K016	T491D157K016AT	150	D	10%			500	
80-T491X157K016	T491X157K016AT	150	X	10%			500	
20V								
80-T491A684K020	T491A684K020AT	0.68	A	10%			2000	
80-T491A105M020	T491A105M020AT	1	A	20%			2000	
80-T491A105K020	T491A105K020AT	1	A	10%			2000	
80-T491A155K020	T491A155K020AT	1.5	A	10%			2000	
80-T491A225M020	T491A225M020AT	2.2	A	20%			2000	
80-T491A225K020	T491A225K020AT	2.2	A	10%			2000	
80-T491B225M020	T491B225M020AT	2.2	B	20%			2000	
80-T491B225K020	T491B225K020AT	2.2	B	10%			2000	
80-T491A335K020	T491A335K020AT	3.3	A	10%			2000	

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
20V (Cont.)								
80-T491B335M020	T491B335M020AT	3.3	B	20%			2000	
80-T491B335K020	T491B335K020AT	3.3	B	10%			2000	
80-T491A475K020	T491A475K020AT	4.7	A	10%			2000	
80-T491B475K020	T491B475K020AT	4.7	B	10%			2000	
80-T491C475M020	T491C475M020AT	4.7	C	20%			500	
80-T491C475K020	T491C475K020AT	4.7	C	10%			500	
80-T491A685M020	T491A685M020AT	6.8	A	20%			2000	
80-T491B685K020	T491B685K020AT	6.8	B	10%			2000	
80-T491C685M020	T491C685M020AT	6.8	C	20%			500	
80-T491C685K020	T491C685K020AT	6.8	C	10%			500	
80-T491A106M020	T491A106M020AT	10	A	20%			2000	
80-T491B106K020	T491B106K020AT	10	B	10%			2000	
80-T491C106K020	T491C106K020AT	10	C	10%			500	
80-T491C106M020	T491C106M020AT	10	C	20%			500	
80-T491U106K020	T491U106K020AT	10	U	10%			1000	
80-T491C156K020	T491C156K020AT	15	C	10%			500	
80-T491D156K020	T491D156K020AT	15	D	20%			500	
80-T491B226K020	T491B226K020AT	22	B	10%			2000	
80-T491C226K020	T491C226K020AT	22	C	10%			500	
80-T491D226K020	T491D226K020AT	22	D	10%			500	
80-T491V226K020	T491V226K020AT	22	V	10%			1000	
80-T491V226M020	T491V226M020AT	22	V	20%			500	
80-T491C336M020	T491C336M020AT	33	C	20%			500	
80-T491D336K020	T491D336K020AT	33	D	10%			500	
80-T491D476K020	T491D476K020AT	47	D	10%			500	
80-T491D686K020	T491D686K020AT	68	D	10%			500	
80-T491X686M020	T491X686M020AT	68	X	20%			500	
80-T491X686K020	T491X686K020AT	68	X	10%			500	
80-T491E107K020	T491E107K020AT	100	E	10%			500	
80-T491X107K020	T491X107K020AT	100	X	10%			500	
80-T491X107M020	T491X107M020AT	100	X	20%			500	
80-T491X157K020	T491X157K020AT	150	X	10%			500	
25V								
80-T491A334K025	T491A334K025AT	0.33	A	10%			2000	
80-T491A474M025	T491A474M025AT	0.47	A	20%			2000	
80-T491A474K025	T491A474K025AT	0.47	A	10%			2000	
80-T491A684K025	T491A684K025AT	0.68	A	10%			2000	
80-T491A105K025	T491A105K025AT	1	A	10%			2000	
80-T491B105K025	T491B105K025AT	1	B	10%			2000	
80-T491A155K025	T491A155K025AT	1.5	A	10%			2	

KEMET COTS/Low ESR/SMD Tantulum Capacitors

The Capacitance Company



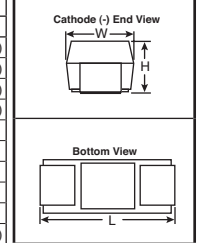
RoHS Compliant This product is RoHS compliant.

T491 SERIES (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
35V (Cont.)								
80-T491B335K035	T491B335K035AT	3.3	B	10%			2000	
80-T491C335K035	T491C335K035AT	3.3	C	10%			500	
80-T491D335K035	T491D335K035AT	3.3	D	10%			500	
80-T491E335K035	T491E335K035AT	3.3	E	10%			500	
80-T491F335K035	T491F335K035AT	3.3	F	10%			500	
80-T491G335K035	T491G335K035AT	3.3	G	10%			500	
80-T491H335K035	T491H335K035AT	3.3	H	10%			500	
80-T491J335K035	T491J335K035AT	3.3	J	10%			500	
80-T491K335K035	T491K335K035AT	3.3	K	10%			500	
80-T491L335K035	T491L335K035AT	3.3	L	10%			500	
80-T491M335K035	T491M335K035AT	3.3	M	10%			500	
80-T491N335K035	T491N335K035AT	3.3	N	10%			500	
80-T491P335K035	T491P335K035AT	3.3	P	10%			500	
80-T491Q335K035	T491Q335K035AT	3.3	Q	10%			500	
80-T491R335K035	T491R335K035AT	3.3	R	10%			500	
80-T491S335K035	T491S335K035AT	3.3	S	10%			500	
80-T491T335K035	T491T335K035AT	3.3	T	10%			500	
80-T491U335K035	T491U335K035AT	3.3	U	10%			500	
80-T491V335K035	T491V335K035AT	3.3	V	10%			500	
80-T491W335K035	T491W335K035AT	3.3	W	10%			500	
80-T491X335K035	T491X335K035AT	3.3	X	10%			500	
80-T491Y335K035	T491Y335K035AT	3.3	Y	10%			500	
80-T491Z335K035	T491Z335K035AT	3.3	Z	10%			500	
50V								
80-T491A104M050AT	T491A104M050AT	0.1	A	20%			2000	
80-T491A104K050	T491A104K050AT	0.1	A	10%			2000	
80-T491A154K050	T491A154K050AT	0.15	A	10%			2000	
80-T491B224K050	T491B224K050AT	0.22	B	10%			2000	
80-T491B334K050	T491B334K050AT	0.33	B	10%			2000	
80-T491B474K050	T491B474K050AT	0.47	B	10%			2000	
80-T491C474K050	T491C474K050AT	0.47	C	10%			2000	
80-T491B684K050	T491B684K050AT	0.68	B	10%			500	
80-T491C684K050	T491C684K050AT	0.68	C	10%			500	
80-T491C105M050	T491C105M050AT	1	C	20%			500	
80-T491C105K050	T491C105K050AT	1	C	10%			500	
80-T491C155K050	T491C155K050AT	1.5	C	10%			500	
80-T491D155K050	T491D155K050AT	1.5	D	10%			500	
80-T491C225K050	T491C225K050AT	2.2	C	10%			500	
80-T491D225K050	T491D225K050AT	2.2	D	10%			500	
80-T491D335M050	T491D335M050AT	3.3	D	20%			500	
80-T491D335K050	T491D335K050AT	3.3	D	10%			500	
80-T491D475K050	T491D475K050AT	4.7	D	10%			500	
80-T491D475M050	T491D475M050AT	4.7	D	20%			500	
80-T491D685M050	T491D685M050AT	6.8	D	20%			500	
80-T491D685K050	T491D685K050AT	6.8	D	10%			500	
80-T491X685K050	T491X685K050AT	6.8	X	10%			500	
80-T491X106M050	T491X106M050AT	10	X	20%			500	
80-T491X156K050	T491X156K050AT	15	X	10%			500	
80-T491X226K050AT	T491X226K050AT	22	X	10%			500	

KEMET	EIA	Component - Dimensions: mm (in.)		
		L	W	H
A	3216-18	3.2±0.2 (.126±0.008)	1.6±0.2 (.063±0.008)	1.6±0.2 (.063±0.008)
B	3528-21	3.5±0.02 (.138±0.0008)	2.8±0.2 (.110±0.008)	1.9±0.2 (.075±0.008)
C	6032-28	6.0±0.3 (.236±0.03)	3.2±0.3 (.126±0.012)	2.5±0.3 (.098±0.012)
D	7343-31	7.3±0.3 (.287±0.012)	4.3±0.3 (.169±0.012)	2.8±0.3 (.098±0.012)
R	2012-12	2.0±0.02 (.079±0.0008)	1.3±0.2 (.051±0.008)	1.2 (.047)
S	3216-12	3.2±0.2 (.126±0.008)	1.6±0.2 (.063±0.008)	1.2 (.047)
T	3528-12	3.5±0.2 (.138±0.008)	2.8±0.2 (.110±0.008)	1.2 (.047)
U	6032-15	6.0±0.3 (.236±0.03)	3.2±0.2 (.110±0.008)	1.5 (.059)
V	7343-20	7.3±0.3 (.287±0.012)	4.3±0.3 (.169±0.012)	2.0 (.079)
X	7343-43	7.3±0.3 (.287±0.012)	4.3±0.3 (.169±0.012)	4.0±0.3 (.157±0.012)



KEMET Tantulum Caps, SMD

T494 SERIES, LOW ESR (CONT.)

For quantities greater than listed, call for quote.

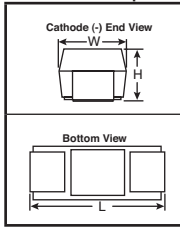
MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
6.3V (Cont.)								
80-T494B156K006	T494B156K006AT	15	B	10%			2000	
80-T494T156K006	T494T156K006AT	15	T	10%			2500	
80-T494C226K006	T494C226K006AT	22	C	10%			500	
80-T494U226K006	T494U226K006AT	22	U	10%			1000	
80-T494V336K006	T494V336K006AT	33	V	10%			1000	
80-T494D107K006	T494D107K006AT	100	D	10%			500	
80-T494V107K006	T494V107K006AT	100	V	10%			1000	
80-T494D157K006	T494D157K006AT	150	D	10%			500	
80-T494D227K006	T494D227K006AT	220	D	10%			500	
80-T494V227M006	T494V227M006AT	220	V	20%			1000	
80-T494D337K006	T494D337K006AT	330	D	10%			500	
80-T494X477K006	T494X477K006AT	470	X	10%			500	
10V								
80-T494A225K010	T494A225K010AT	2.2	A	10%			2000	
80-T494A475K010	T494A475K010AT	4.7	A	10%			2000	
80-T494B475K010	T494B475K010AT	4.7	B	10%			2000	
80-T494T685K010	T494T685K010AT	6.8	T	10%			2500	
80-T494A106K010	T494A106K010AT	10	A	10%			2000	
80-T494B106K010	T494B106K010AT	10	B	10%			2000	
80-T494T106K010	T494T106K010AT	10	T	10%			2500	
80-T494B226K010	T494B226K010AT	22	B	10%			2000	
80-T494B226M010	T494B226M010AT	22	B	20%			2000	
80-T494U226K010	T494U226K010AT	22	U	10%			1000	
80-T494B336K010	T494B336K010AT	33	B	10%			2000	
80-T494C336K010	T494C336K010AT	33	C	10%			2000	
80-T494V336K010	T494V336K010AT	33	V	10%			1000	
80-T494C476K010	T494C476K010AT	47	C	10%			500	
80-T494V476K010	T494V476K010AT	47	V	10%			1000	
80-T494D686K010	T494D686K010AT	68	D	10%			500	
80-T494D107K010	T494D107K010AT	100	D	10%			500	
80-T494D107M010	T494D107M010AT	100	D	20%			500	
80-T494V107K010	T494V107K010AT	100	V	10%			1000	
80-T494D157K010	T494D157K010AT	150	D	10%			500	
80-T494D227K010	T494D227K010AT	220	D	10%			500	
80-T494X227K010	T494X227K010AT	220	X	10%			500	
80-T494X337K010	T494X337K010AT	330	X	10%			500	
80-T494X337M010	T494X337M010AT	330	X	20%			500	
16V								
80-T494A475K016	T494A475K016AT	4.7	A	10%			2000	
80-T494T475K016	T494T475K016AT	4.7	T	10%			1000	
80-T494B106K016	T494B106K016AT	10	B	10%			2000	
80-T494U106K016	T494U106K016AT	10	U	10%			1000	
80-T494C226K016	T494C226K016AT	22	C	10%			500	
80-T494C226M016	T494C226M016AT	22	C	20%			500	
80-T494D226K016	T494D226K016AT	22	D	10%			500	
80-T494C336K016	T494C336K016AT	33	C	10%			500	
80-T494C476K016	T494C476K016AT	47	C	10%			500	
80-T494V476K016	T494V476K016AT	47	V	10%			1000	
80-T494V107K016	T494V107K016AT	100	V	10%			1000	
80-T494X157K016	T494X157K016AT	150	X	10%			500	
20V								
80-T494R105M020	T494R105M020AT	1	R	20%			2500	
80-T494A225K020	T494A225K020AT	2.2	A	10%			2000	
80-T494B106K020	T494B106K020AT	10	B	10%			2000	
80-T494C106K020	T494C106K020AT	10	C	10%			500	
80-T494U106K020	T494U106K020AT	10	U	10%			1000	
80-T494D336K020	T494D336K020AT	33	D	10%			500	
80-T494V336M020	T494V336M020AT	33	V	20%			1000	
80-T494X107K020	T494X107K020AT	100	X	10%			500	
80-T494X107M020	T494X107M020AT	100	X	20%			500	
25V								
80-T494A105K025	T494A105K025AT	1	A	10%			2000	
80-T494C106M025	T494C106M025AT	10	C	20%			500	
80-T494C106K025	T494C106K025AT	10	C	10%			500	
80-T494D106K025	T494D106K025AT	10	D	10%			500	
80-T494D226K025	T494D226K025AT	22	D	10%			500	
80-T494D226M025	T494D226M025AT	22	D	20%			500	
80-T494V226K025	T494V226K025AT	22	V	10%			1000	
35V								

KEMET Low ESR and High Temperature Tantalum Capacitors

The Capacitance Company
KEMET
CHARGED!

RoHS Compliant This product is RoHS compliant.

Case Size		Component - Dimensions: mm (in.)			
KEMET	EIA	L	W	H	
A	3216-18	3.2±0.2 (.126±.008)	1.6±0.2 (.063±.008)	1.6±0.2 (.063±.008)	
B	3528-21	3.5±0.02 (.138±.008)	2.8±0.2 (.110±.008)	1.9±0.2 (.075±.008)	
C	6032-28	6.0±0.3 (2.36±.03)	3.2±0.3 (1.26±.012)	2.5±0.3 (.098±.012)	
D	7343-31	7.3±0.3 (.287±.012)	4.3±0.3 (1.69±.012)	2.8±0.3 (.098±.012)	
F	-	5.9 (.220)	3.43 (.135)	1.78 (.070)	
H	-	7.24 (.285)	3.81 (.150)	2.79 (.110)	
T	3528-12	3.5±0.2 (.138±.008)	2.8±0.2 (.110±.008)	1.2 (.047)	
V	7343-20	7.3±0.3 (.287±.012)	4.3±0.3 (1.69±.012)	2.0 (.079)	
X	7343-43	7.3±0.3 (.287±.012)	4.3±0.3 (1.69±.012)	4.0±0.3 (.157±.012)	



TANTALUM ENGINEERING KIT - 09 T498, T499 HIGH TEMPERATURE



T494 SERIES, LOW ESR (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
50V (Cont.)								
80-T494D225K050	T494D225K050AT	2.2	D	10%			500	
80-T494D475K050	T494D475K050AT	4.7	D	10%			500	
80-T494X685K050	T494X685K050AT	6.8	X	10%			500	

T495 SERIES, LOW ESR, INDUSTRIAL GRADE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
6V								
80-T495V107K006	T495V107K006AT	100	V	10%			1000	
10V								
80-T495V107K010	T495V107K010AT	100	V	10%			1000	
80-T495V157M010	T495V157M010AT	150	V	20%			1000	
16V								
80-T495T106M16ATE4K0	T495T106M16ATE4K0	10	T	20%			2500	
80-T495V686K016	T495V686K016AT	68	V	10%			1000	

T497 SERIES, LOW ESR

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
10V								
80-T497H476K10BH6110	T497H476K10BH6110	47	H	10%			500	
25V								
80-T497F685K25BH6110	T497F685K25BH6110	6.8	F	10%			2500	
50V								
80-T497H475K50BH6110	T497H475K50BH6110	4.7	H	10%			2500	

T498 SERIES HIGH TEMPERATURE (150°C) TANTALUM CHIP CAPACITORS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
10V								
80-T498B226K10TE1K5	T498B226K10TE1K5	22	B	10%			2000	
80-T498D107K10TE600	T498D107K10TE600	100	D	10%			500	
80-T498X227K10TE500	T498X227K10TE500	220	X	10%			500	
16V								
80-T498A105K16TE6K5	T498A105K16TE6K5	1.0	A	10%			2000	
80-T498A335K16TE3K4	T498A335K16TE3K4	3.3	A	10%			2000	
80-T498B475K16TE2K1	T498B475K16TE2K1	4.7	B	10%			2000	
80-T498A685K16TE2K6	T498A685K16TE2K6	6.8	A	10%			2000	
80-T498B685K16TE1K8	T498B685K16TE1K8	6.8	B	10%			2000	
80-T498B106K16TE2K8	T498B106K16TE2K8	10	B	10%			2000	
80-T498D476K16TE600	T498D476K16TE600	47	D	10%			500	
80-T498X107K16TE075	T498X107K16TE075	100	X	10%			500	
25V								
80-T498A474K25TE8K5	T498A474K25TE8K5	0.47	A	10%			2000	
80-T498B225K25TE3K0	T498B225K25TE3K0	2.2	B	10%			2000	
80-T498C106K25TE1K1	T498C106K25TE1K1	10	C	10%			500	
80-T498D226K25TE600	T498D226K25TE600	22	D	10%			500	
80-T498D336K25TE600	T498D336K25TE600	33	D	10%			500	
35V								
80-T498A105K35TE10K	T498A105K35TE10K	1.0	A	10%			2000	
80-T498D106K35TE700	T498D106K35TE700	10	D	10%			500	
80-T498X336K35TE500	T498X336K35TE500	33	X	10%			500	
50V								
80-T498D106K50TE1K0	T498D106K50TE1K0	10	D	10%			500	

T499 SERIES HIGH TEMPERATURE (175°C) TANTALUM CHIP CAPACITORS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
3.3 V								
80-T499D476K6TE800	T499D476K006ATE800	47	D	10%			500	
6.3V								
80-T499A475K6TE6K0	T499A475K006ATE6K0	4.7	A	10%			2000	
80-T499B106K6TE3K5	T499B106K006ATE3K5	10	B	10%			2000	
80-T499B226K6TE3K5	T499B226K006ATE3K5	22	B	10%			2000	
80-T499B336K6TE3K0	T499B336K006ATE3K0	33	B	10%			2000	

KEMET Part No.	Value (µF)	Voltage	ESR (mΩ)
T498A475K010ATE2K9	4.7	10	2.9
T498C226K016ATE1K0	22.0	16	1.0
T499B106K016ATE3K5	10.0	16	3.5
T499B475K020ATE3K5	4.7	20	3.5
T499A105K025ATE8K0	1.0	25	8.0
T499D156K025ATE1K0	15.0	25	1.0
T499B105K035ATE5K0	1.0	35	5.0
T499D106K035ATE1K0	10.0	35	1.0
T499X226K035ATE700	22.0	35	0.7
T499D106K050ATE1K0	10.0	50	1.0

MOUSER STOCK NO.	Quantity Per Value	Price Each
80-TANENGKIT09	10 Pieces of each 10 values	

T499 SERIES HIGH TEMPERATURE (175°C) TANTALUM CHIP CAPACITORS (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price Per Piece
					1	100		
6.3V (Cont.)								
80-T499C476K6TE1K8	T499C476K006ATE1K8	47	C	10%			500	
80-T499D686K6TE800	T499D686K006ATE800	68	D	10%			500	
80-T499D107K06TE800	T499D107K006ATE800	100	D	10%			500	
10V								
80-T499A155K10TE8K0	T499A155K010ATE8K0	1.5	A	10%			2000	
80-T499A225K10TE8K0	T499A225K010ATE8K0	2.2	A	10%			2000	
80-T499A335K10TE6K0	T499A335K010ATE6K0	3.3	A	10%			2000	
80-T499A475K10TE6K0	T499A475K010ATE6K0	4.7	A	10%			2000	
80-T499B475K10TE3K5	T499B475K010ATE3K5	4.7	B	10%			2000	
80-T499B106K10TE3K5	T499B106K010ATE3K5	10	B	10%			2000	
80-T499B226K10TE3K0	T499B226K010ATE3K0	22	B	10%			2000	
80-T499D476K10TE800	T499D476K010ATE800	47	D	10%			500	
80-T499D107K10TE700	T499D107K010ATE700	100	D	10%			500	
80-T499X227K10TE500	T499X227K010ATE500	220	X	10%			500	
16V								
80-T499A105K16TE10K	T499A105K016ATE10K	1.0	A	10%			2000	
80-T499A225K16TE6K0	T499A225K016ATE6K0	2.2	A	10%			2000	
80-T499B475K16TE6K0	T499B475K016ATE6K0	4.7	B	10%			2000	
80-T499B106K16TE3K5	T499B106K016ATE3K5	10	B	10%			2000	
80-T499C106K16TE1K8	T499C106K016ATE1K8	10	C	10%			500	
80-T499C226K16TE1K6	T499C226K016ATE1K6	22	C	10%			500	
80-T499D476K16TE800	T499D476K016ATE800	47	D	10%			500	
20V								
80-T499A105K20TE10K	T499A105K020ATE10K	1.0	A	10%			2000	
80-T499B225K20TE3K5	T499B225K020ATE3K5	2.2	B	10%			2000	
80-T499B335K20TE3K5	T499B335K020ATE3K5	3.3	B	10%			2000	
80-T499B475K20TE3K5	T499B475K020ATE3K5	4.7	B	10%			2000	
80-T499C475K20TE2K4	T499C475K020ATE2K4	4.7	C	10%			500	
80-T499C106K20TE1K8	T499C106K020ATE1K8	10	C	10%			500	
80-T499D156K20TE1K0	T499D156K020ATE1K0	15	D	10%			500	
80-T499D226K20TE800	T499D226K020ATE800	22	D	10%			500	
25V								
80-T499A474K25TE14K	T499A474K025ATE14K	0.47	A	10%			2000	
80-T499A684K25TE10K	T499A684K025ATE10K	0.68	A	10%			2000	
80-T499A105K25TE8K0	T499A105K025ATE8K0	1.0	A	10%			2000	
80-T499B225K25TE4K5	T499B225K025ATE4K5	2.2	B	10%			2000	
80-T499D685K25TE1K1	T499D685K025ATE1K1	6.8	D	10%			500	
80-T499C106K25TE1K5	T499C106K025ATE1K5	10	C	10%			500	
80-T499D226K25TE800	T499D226K025ATE800	22	D	10%			500	
80-T499D336K25TE700	T499D336K025ATE700	33	D	10%			500	
35V								
80-T499A154K35TE19K	T499A154K035ATE19K	0.15	A	10%			2000	
80-T499A224K35TE18K	T499A224K035ATE18K	0.22	A	10%			2000	
80-T499A334K35TE15K	T499A334K035ATE15K	0.33	A	10%			2000	
80-T499A105K35TE10K	T499A105K035ATE10K	1.0	A	10%			2000	
80-T499B105K35TE5K0	T499B105K035ATE5K0	1.0	B	10%			2000	
80-T499C225K35TE3K5	T499C225K035ATE3K5	2.2	C	10%			500	
80-T499C475K35TE2K5	T499C475K035ATE2K5	4.7	C	10%			500	
80-T499D475K35TE1K5	T499D475K035ATE1K5	4.7	D	10%			500	
80-T499D106K35TE1K0	T499D106K035ATE1K0	10	D	10%			500	
80-T499X226K35TE700	T499X226K035ATE700	22	X	10%			500	
80-T499X336K35TE600	T499X336K035ATE600	33	X	10%			500	
80-T499D685K35TE1K3	T499D685K035ATE1K3	6.8	D	10%			500	

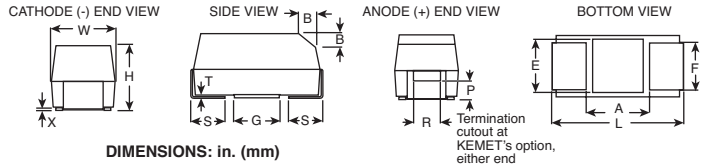
KEMET Tantalum Chip Capacitors, Low ESR

The Capacitance Company
KEMET
CHARGED.

ROHS Compliant This product is ROHS compliant.

T489 SERIES LOW DC LEAKAGE MnO2

- Features:**
- Operating temp. range of -55°C to +125°C
 - Improved reliability: 0.50%/1000hrs, 85°C, Rated Voltage
 - Meets or exceeds EIA standard 535BAAC
 - Halogen-free epoxy
 - Laser-marked case
 - DC Leakage at 0.0075CV
 - Low ESR options available



KEMET	EIA	L*	W*	H*	F ^{±0.1} ±(.004)	S ^{±0.3} ±(.012)	B ^{±0.15} (Ref)±.006	X (Ref)	P (Ref)	R (Ref)	T (Ref)	A (Min)	G (Ref)	E (Ref)
C	6032-28	6.0±0.3 (.236±.03)	3.2±0.3 (.126±.012)	2.5±0.3 (.098±.012)	2.2(.087)	1.3(.051)	0.5(.020)	0.10±0.10 (.004±.004)	0.9(.035)	1.0(.039)	0.13(.005)	3.1(.122)	2.8(.110)	2.4(.094)
D	7343-31	7.3±0.3 (.287±.012)	4.3±0.3 (.169±.012)	2.8±0.3 (.110±.012)	2.4(.094)	1.3(.051)	0.5(.020)	0.10±0.10 (.004±.004)	0.9(.035)	1.0(.039)	0.13(.005)	3.8(.150)	3.5(.138)	3.5(.138)

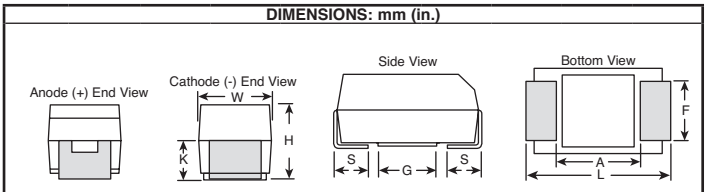
* MIL-C-55365/8 specified dimensions

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Case Size	Value (uF)	Volts	ESR	TOL %	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
80-T489D476K16E200	T489D476K016ATE200	D	47	16	200	10				500	
80-T489D107M10E150	T489D107M010ATE150	D	100	10	150	20				500	
80-T489D107M10E440	T489D107M010ATE440	D	100	10	440	20				500	
80-T489C107M10E500	T489C107M010ATE500	C	100	10	500	20				500	
80-T489D227K10E500	T489D227K010ATE500	D	220	10	500	10				500	

T495 SERIES SOLID TANTALUM CHIP CAPACITORS, LOW ESR, SURGE ROBUST

- Designed for very low ESR
- High ripple current capability
- High surge current capability
- 100% accelerated steady-state aging
- Low equivalent Series Inductance (<2.5nH ESL)
- Meets or exceeds EIA Standard 535BAAC
- 100% Surge current test
- Available tested per DSCC Dwg. 95158
- New extended values for low ESR
- Precision-molded, laser-marked case
- Symmetrical, compliant terminations
- Taped and reeled per EIA 481-1



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (uF)	ESR (mΩ)	Case Code	Tol. (%)	Price Each		Reel Qty.	Price Per Piece
						1	100		
4 Volt Rating @ 85°C (2.7 Volt Rating @ 125°C)									
80-T495C337K4ATE700	T495C337K004ATE700	330	700	C	10			500	
80-T495X108K4ATE70	T495X108K004ATE70	1000	70	X	10			500	
6 Volt Rating @ 85°C (4 Volt Rating @ 125°C)									
80-T495D686K006	T495D686K006ATE175	68	175	D	10			500	
80-T495C107K006	T495C107K006ATE150	100	150	C	10			500	
80-T495C157M6ATE200	T495C157M006ATE200	150	200	C	20			500	
80-T495X157K6ATE100	T495X157K006ATE100	150	100	X	10			500	
80-T495D227K006	T495D227K006ATE100	220	100	D	10			500	
80-T495X337K006	T495X337K006ATE100	330	100	X	10			500	
80-T495X337M006	T495X337M006ATE100	330	100	X	20			500	
80-T495D477K6ATE125	T495D477K006ATE125	470	125	D	10			500	
80-T495D477M6ATE125	T495D477M006ATE125	470	125	D	20			500	
80-T495X477K006	T495X477K006ATE065	470	65	X	10			500	

For quantities greater than listed, call for quote.

Case Size	Component									
	Code	EIA	L	W	H	K ±.20 (.008)	F ±0.1 (.004)	S ±0.3 (.012)	A (Ref)	G (Ref)
C	6032-28	6.0 (.236)	3.2 (.126)	2.5 (.098)	1.4 (.055)	2.2 (.087)	1.3 (.051)	2.5 (.098)	2.8 (.110)	2.4 (.094)
D	7343-31	7.3 (.287)	4.3 (.169)	2.8 (.110)	1.5 (.059)	2.4 (.094)	1.3 (.051)	3.8 (.150)	3.5 (.138)	3.5 (.138)
X	7343-43	7.3 (.287)	4.3 (.169)	4.0 (.157)	2.3 (.091)	2.4 (.094)	1.3 (.051)	3.8 (.150)	3.5 (.138)	3.5 (.138)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (uF)	ESR (mΩ)	Case Code	Tol. (%)	Price Each		Reel Qty.	Price Per Piece
						1	100		
20 Volt Rating @ 85°C (13 Volt Rating @ 125°C) (Cont.)									
80-T495X476M020	T495X476M020ATE150	47	150	X	20			500	
80-T495D686K20ATE150	T495D686K020ATE150	68	150	D	10			500	
80-T495D686M20ATE150	T495D686M020ATE150	68	150	D	20			500	
80-T495X686K020	T495X686K020ATE150	68	150	X	10			500	
80-T495X686M020	T495X686M020ATE150	68	150	X	20			500	
25 Volt Rating @ 85°C (17 Volt Rating @ 125°C)									
80-T495C685K025	T495C685K025ATE500	6.8	500	C	10			500	
80-T495C685M025	T495C685M025ATE500	6.8	500	C	20			500	
80-T495C106K025	T495C106K025ATE450	10	450	C	10			500	
80-T495D156K25ATE275	T495D156K025ATE275	15	275	D	10			500	
80-T495D156M25ATE275	T495D156M025ATE275	15	275	D	20			500	
80-T495X156K25ATE200	T495X156K025ATE200	15	200	X	10			500	
80-T495D226M025	T495D226M025ATE200	22	200	D	20			500	
80-T495X226K025	T495X226K025ATE225	22	225	X	10			500	
80-T495X226M025	T495X226M025ATE225	22	225	X	20			500	
80-T495D336K25ATE300	T495D336K025ATE300	33	300	D	10			500	
80-T495X336K025	T495X336K025ATE175	33	175	X	10			500	
80-T495X336M025	T495X336M025ATE175	33	175	X	20			500	
80-T495X476M25ATE200	T495X476M025ATE200	47	200	X	20			500	
80-T495X686K25ATE200	T495X686K025ATE200	68	200	X	10			500	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (uF)	ESR (mΩ)	Case Code	Tol. (%)	Price Each		Reel Qty.	Price Per Piece
						1	100		
35 Volt Rating @ 85°C (23 Volt Rating @ 125°C)									
80-T495C475K035	T495C475K035ATE600	4.7	600	C	10			500	
80-T495D685K35ATE400	T495D685K035ATE400	6.8	400	D	10			500	
80-T495D106K035	T495D106K035ATE300	10	300	D	10			500	
80-T495D106M035	T495D106M035ATE300	10	300	D	20			500	
80-T495X106K035	T495X106K035ATE250	10	250	X	10			500	
80-T495D156K035	T495D156K035ATE300	15	300	D	10			500	
80-T495X156K35ATE225	T495X156K035ATE225	15	225	X	10			500	
80-T495D226K35ATE300	T495D226K035ATE300	22	300	D	10			500	
80-T495X226K035	T495X226K035ATE275	22	275	X	10			500	
80-T495X226M035	T495X226M035ATE275	22	275	X	20			500	
80-T495X336K035	T495X336K035ATE250	33	250	X	10			500	
80-T495X336M035	T495X336M035ATE250	33	250	X	20			500	
80-T495X476K35ATE300	T495X476K035ATE300	47	300	X	10			500	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (uF)	ESR (mΩ)	Case Code	Tol. (%)	Price Each		Reel Qty.	Price Per Piece
						1	100		
50 Volt Rating @ 85°C (33 Volt Rating @ 125°C)									
80-T495D475K50ATE300	T495D475K050ATE300	4.7	300	D	10			500	
80-T495D475M50ATE300	T495D475M050ATE300	4.7	300	D	20			500	
80-T495X475K050	T495X475K050ATE300	4.7	300	X	10			500	
80-T495D685K50ATE300	T495D685K050ATE300	6.8	300	D	10			500	
80-T495D685M50ATE300	T495D685M050ATE300	6.8	300	D	20			500	
80-T495X106K50ATE300	T495X106K050ATE300	10	300	X	10			500	
80-T495X106M50ATE300	T495X106M050ATE300	10	300	X	20			500	
80-T495X156K50ATE300	T495X156K050ATE300	15	300	X	10			500	
80-T495X156M50ATE300	T495X156M050ATE300	15	300	X	20			500	

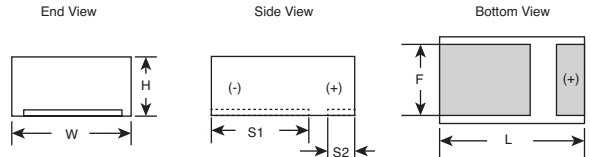
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KEMET Tantalum Caps, SMD

KEMET Tantalum Chip Capacitors and Low ESR

T428 SERIES HIGH VOLUMETRIC EFFICIENCY FACEDOWN MNO2

- Features:**
- High CV/cc
 - Laser marked case
 - Halogen free epoxy
 - Operating temperature range: -55°C to +125°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Case Code	Value (µF)	Volts	Tol. ±	Price Each			Reel Qty.	Price Per Piece
						1	50	100		
80-T428P187K016AH6110	T428P187K016AH6110	P	180	16	10%				500	
80-T428P227M016AH6110	T428P227M016AH6110	P	220	16	20%				500	
80-T428P156M050AH6110	T428P156M050AH6110	P	15	50	20%				500	
80-T428P397K006AH6110	T428P397K006AH6110	P	390	6.3	10%				500	

DIMENSIONS: mm							
Case Size		Component					
KEMET	EIA	L	W	H	F±0.2	S1±0.2	S2±0.2
P	7260-38	7.2	6.0±0.3	3.5±0.3	4.95	1.6	1.6

496 SERIES, LOW ESR, FAIL-SAFE FUSED

- Features:**
- Built-in fuse protects against damaging short circuit failure mode
 - Symmetrical, compliant terminations
 - Patented fuse assembly
 - 100% Surge Current test on C, D, X sizes

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol. ±	Price Each		Reel Qty.	Price Per Piece
					1	100		
6 Volt Rating @ 85°C (4 Volt Rating @ 125°C)								
80-T496D107M006	T496D107M006ATE800	100	D	20%			500	
10 Volt Rating @ 85°C (7 Volt Rating @ 125°C)								
80-T496B475M010	T496B475M010ATE3K5	4.7	B	20%			2000	
80-T496C226K010	T496C226K010ATE2K0	22	C	10%			500	
80-T496C226M010	T496C226M010ATE2K0	22	C	20%			500	
80-T496D476K010	T496D476K010ATE1K0	47	D	10%			500	
80-T496D476M010	T496D476M010ATE1K0	47	D	20%			500	
80-T496D107K010	T496D107K010ATE700	100	D	10%			500	
80-T496X227K010	T496X227K010ATE500	220	X	10%			500	
16 Volt Rating @ 85°C (10 Volt Rating @ 125°C)								
80-T496B475K016	T496B475K016ATE3K5	4.7	B	10%			2000	
80-T496B106K016	T496B106K016ATE3K5	10	B	10%			2000	
80-T496B106M016	T496B106M016ATE3K5	10	B	20%			2000	
80-T496C106K016	T496C106K016ATE2K0	10	C	10%			500	
80-T496C106M016	T496C106M016ATE2K0	10	C	20%			500	
80-T496C156K016	T496C156K016ATE2K0	15	C	10%			500	
80-T496C156M016	T496C156M016ATE2K0	15	C	20%			500	
80-T496C226K016	T496C226K016ATE1K0	22	C	10%			500	
80-T496D336K016	T496D336K016ATE1K0	33	D	10%			500	
80-T496D476K016	T496D476K016ATE800	47	D	10%			500	
80-T496D476M016	T496D476M016ATE800	47	D	20%			500	
80-T496X476K016	T496X476K016ATE900	47	X	10%			500	
80-T496X107K016	T496X107K016ATE700	100	X	10%			500	

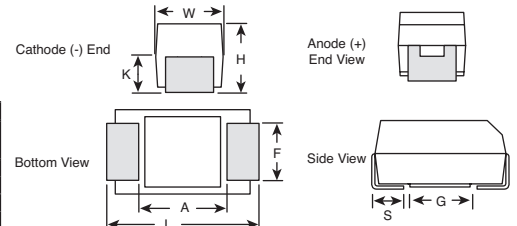
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Case Code	Tol. ±	Price Each		Reel Qty.	Price Per Piece
					1	100		
16 Volt Rating @ 85°C (10 Volt Rating @ 125°C) (Cont.)								
80-T496X107M016	T496X107M016ATE700	100	X	20%			500	
20 Volt Rating @ 85°C (13 Volt Rating @ 125°C)								
80-T496B225K020	T496B225K020ATE3K5	2.2	B	10%			2000	
80-T496C106K020	T496C106K020ATE2K0	10	C	10%			500	
80-T496C106M020	T496C106M020ATE2K0	10	C	20%			500	
80-T496D226K020	T496D226K020ATE1K0	22	D	10%			500	
80-T496X336K020	T496X336K020ATE900	33	X	10%			500	
25 Volt Rating @ 85°C (17 Volt Rating @ 125°C)								
80-T496C475K025	T496C475K025ATE2K5	4.7	C	10%			500	
80-T496D106K025	T496D106K025ATE1K2	10	D	10%			500	
80-T496D226K025	T496D226K025ATE800	22	D	10%			500	
80-T496D226M025	T496D226M025ATE800	22	D	20%			500	
80-T496X226K025	T496X226K025ATE900	22	X	10%			500	
80-T496X226M025	T496X226M025ATE900	22	X	20%			500	
35 Volt Rating @ 85°C (23 Volt Rating @ 125°C)								
80-T496B105K035	T496B105K035ATE5K0	1.0	B	10%			2000	
80-T496B105M035	T496B105M035ATE5K0	1.0	B	20%			2000	
80-T496D475K035	T496D475K035ATE1K5	4.7	D	10%			500	
80-T496D685K035	T496D685K035ATE1K5	6.8	D	10%			500	
80-T496X106K035	T496X106K035ATE1K0	10	X	10%			500	
80-T496X156M035	T496X156M035ATE900	15	X	20%			500	
50 Volt Rating @ 85°C (33 Volt Rating @ 125°C)								
80-T496X475K050	T496X475K050ATE1K5	4.7	X	10%			500	

T510 SERIES, ULTRA LOW ESR

- Features: T510 and T513**
- Operating temperature range: -55°C to +125°C
 - High ripple current capability
 - 100% steady-state accelerated aging
 - Case sizes E and X

Case Size		DIMENSIONS: mm (in.)								
KEMET	EIA	L	W	H	K	F	S	A (Min.)	G (Ref.)	
X	7343-43	7.3±0.3 (.287±.012)	4.3±0.3 (.169±.012)	4.0±0.3 (.157±.012)	2.3±0.20 (.091±.008)	2.4±0.1 (.094±.004)	1.3±0.3 (.051±.012)	3.8 (.150)	3.5 (.138)	
E	7260-38	7.3±0.3 (.287±.012)	6.0±0.3 (.236±.012)	3.6±0.2 (.142±.008)	2.3±0.20 (.091±.008)	4.1±0.1 (.161±.004)	1.3±0.3 (.051±.012)	3.8 (.150)	3.5 (.138)	



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volts	Case Code	ESR mΩ @ 25°C	DC Leakage µA @ 25°C Max.	Tol. %	Price Each			Reel Qty.	Price Per Piece
								1	10	100		
80-T510X687K004	T510X687K004ATE030	680	4	X	30	27.2	10				500	
80-T510X108K004	T510X108K004ATE018	1000	4	X	18	40	10				500	
80-T510E108K004	T510E108K004ATE018	1000	4	E	18	40	10				500	
80-T510X477M006	T510X477M006ATE030	470	6	X	30	28.2	20				500	
80-T510X477K006	T510X477K006ATE030	470	6.3	X	30	28.2	10				500	
80-T510E687M006	T510E687M006ATE023	680	6.3	E	23	40.8	20				500	
80-T510X337K010	T510X337K010ATE035	330	10	X	35	33	10				500	
80-T510X337M010	T510X337M010ATE035	330	10	X	35	33	20				500	
80-T510E476K035	T510E476K035ATE050	47	35	E	50	16.5	10				500	
80-T510E107K025	T510E107K025ATE050	100	25	E	50	25	10				500	

T513 SERIES, HIGH RELIABILITY

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volts	Case Code	ESR mΩ	DC Leakage µA	Tol. %	Quantity Per Value	Price Each
80-T513X477K6AH6110	T513X477K006AH6110	470	6.3	X	30	29.6	10		500
80-T513E687K6AH6110	T513E687K006AH6110	680	6.3	E	23	42.8	10		500
80-T513X337K10AH6110	T513X337K010AH6110	330	10	X	35	33.0	10		500

TANTALUM ENGINEERING KIT-04, LOW ESR, SURGE ROBUST

KEMET Part No.	Value (µF)	Voltage	ESR (mΩ)
T495C107M006ATE150	100	6	150
T495D227M010ATE100	220	10	100
T495V686M016ATE300	68	16	300
T495D107M016ATE100	100	16	100
T495X476M202ATE100	47	20	100
T495D226M025ATE200	22	25	200
T495X336M035ATE175	33	35	175
T495X475M050ATE300	4.7	50	300
T510X687M004ATE030	680	4	30
T510E687M006ATE023	680	6	23

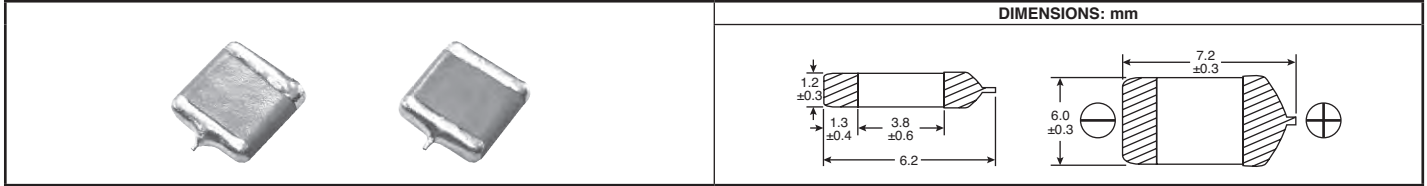


MOUSER STOCK NO.	KEMET Part No.	Quantity Per Value	Price Each
80-TANENKIT12	TAN ENG KIT 12	10 pieces of each 10 values	

NICHICON Solid Tantalum Electrolytic Capacitors



RoHS Compliant This product is RoHS compliant.



F72 SERIES CONFORMAL COATED CHIP CAPACITORS

Features:

- FRAMELESS™
- Low profile
- Lower capacitance

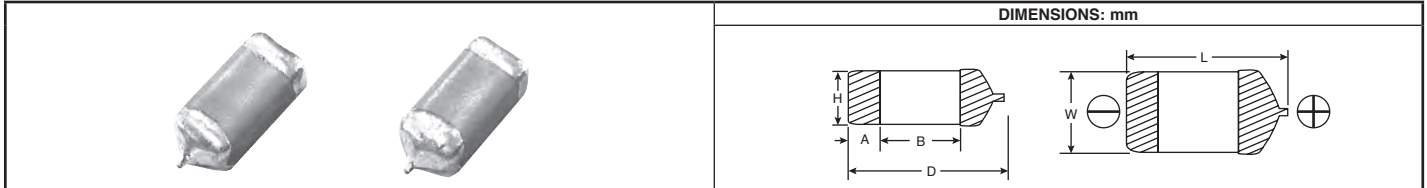
Specifications:

- Operating Temperature: -55°C to +125°C
- Capacitance Tolerance: ±20%
- Capacitance Tolerance measured at 120Hz



MOUSER STOCK NO.		Rated Voltage	Value (µF)	Case Code	Price Each			Reel Quantity	Price Per Piece
Mfr.	Mfr. Part No.				1	100	500		
647	F720G107MRC	4	100	R			1000		
647	F720G227MRC	4	220	R			1000		
647	F720G337MRC	4	330	R			1000		
647	F720J107MRC	6.3	68	R			1000		
647	F720J337MRC	6.3	220	R			1000		
647	F720J108MMC	6.3	1000	M			1000		
647	F720J158MMC	6.3	1500	M			1000		
647	F721A157MRC	10	68	R			1000		

MOUSER STOCK NO.		Rated Voltage	Value (µF)	Case Code	Price Each			Reel Quantity	Price Per Piece
Mfr.	Mfr. Part No.				1	100	500		
647	F721A476MRC	10	150	R			1000		
647	F721A686MRC	10	220	R			1000		
647	F721A108MMC	10	1000	M			1000		
647	F721A477MMC	10	470	M			1000		
647	F721A687MMC	10	680	M			1000		
647	F721C336MRC	16	33	R			1000		
647	F721C476MRC	16	47	R			1000		
647	F721C686MRC	16	68	R			1000		



F75 SERIES CONFORMAL COATED CHIP CAPACITORS

Features:

- FRAMELESS™
- Maximum CV
- Lower capacitance

Specifications:

- Operating Temperature: -55°C to +125°C
- Capacitance Tolerance: ±20%
- Capacitance Tolerance measured at 120Hz

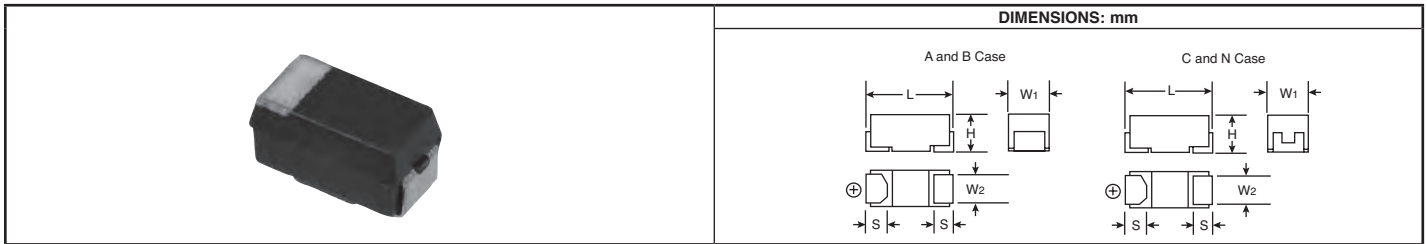


RoHS Compliant

MOUSER STOCK NO.		Rated Voltage	Value (µF)	Case Code	Price Each			Reel Quantity	Price Per Piece
Mfr.	Mfr. Part No.				1	50	100		
647	F750G108MDC	4	330	D			500		
647	F750G108MRC	4	470	R			500		
647	F750G158MRC	4	470	R			500		
647	F750G228MRC	4	680	R			500		
647	F750G337MCC	4	1000	C			500		
647	F750G477MCC	4	1000	C			500		
647	F750G477MDC	4	1500	D			500		
647	F750J108MRC	6.3	220	R			500		
647	F750J227MCC	6.3	330	C			500		
647	F750J337MCC	6.3	330	C			500		
647	F750J337MDC	6.3	470	D			500		

Case Code	DIMENSIONS: mm					
	L	W	H	A	B	D
C	7.1±0.3	3.2±0.3	2.5±0.3	1.3±0.3	3.6±0.3	6.0
D	7.3±0.3	4.3±0.3	2.8±0.3	1.3±0.3	3.9±0.3	6.4
R	7.2±0.3	6.0±0.3	3.5±0.3	1.3±0.3	3.8±0.3	6.2

MOUSER STOCK NO.		Rated Voltage	Value (µF)	Case Code	Price Each			Reel Quantity	Price Per Piece
Mfr.	Mfr. Part No.				1	50	100		
647	F750J477MDC	6.3	680	D			500		
647	F750J687MDC	6.3	680	D			500		
647	F751A157MCC	10	150	C			500		
647	F751A227MDC	10	220	D			500		
647	F751A337MDC	10	330	D			500		
647	F751A477MRC	10	470	R			500		
647	F751C107MCC	16	68	C			500		
647	F751C157MDC	16	100	D			500		
647	F751C227MRC	16	150	R			500		
647	F751C686MCC	16	220	C			500		



F93 SERIES RESIN-MOLDED CHIP CAPACITORS

Specifications:

- Operating Temperature: -55 to +125°C
- Capacitance Tolerance: ±20%, ±10%
- Capacitance Tolerance measured at 120Hz



RoHS Compliant

MOUSER STOCK NO.		Rated Voltage	Value (µF)	Case Code	Price Each			Reel Quantity	Price Per Piece
Mfr.	Mfr. Part No.				1	25	100		
647	F930G107KAA	4	100	A			500		
647	F930G227KBA	4	220	B			500		
647	F930J157KBA	6.3	150	B			500		
647	F930J226KAA	6.3	22	A			500		
647	F930J227KBA	6.3	220	B			500		
647	F930J336KAA	6.3	33	A			500		
647	F930J476KAA	6.3	47	A			500		
647	F930J477KNC	6.3	470	N			500		
647	F931A106KAA	10	10	A			500		
647	F931A227KNC	10	220	N			500		
647	F931A337KNC	10	330	N			500		
647	F931A685KAA	10	6.8	A			500		
647	F931A686KBA	10	68	B			500		
647	F931C107KCC	16	100	C			500		
647	F931C156KAA	16	15	A			500		
647	F931C335KAA	16	3.3	A			500		
647	F931C336KBA	16	33	B			500		

Case Code	DIMENSIONS: mm				
	L	W ₁	W ₂	H	S
A	3.2±0.2	1.6±0.2	1.2±0.1	1.6±0.2	0.8±0.2
B	3.5±0.2	2.8±0.2	2.2±0.1	1.9±0.2	0.8±0.2
C	6.0±0.2	3.2±0.2	2.2±0.1	2.5±0.2	1.3±0.2
N	7.3±0.2	4.3±0.2	2.4±0.1	2.8±0.2	1.3±0.2

MOUSER STOCK NO.		Rated Voltage	Value (µF)	Case Code	Price Each			Reel Quantity	Price Per Piece
Mfr.	Mfr. Part No.				1	25	100		
647	F931C475KAA	16	4.7	A			500		
647	F931C476KCC	16	47	C			500		
647	F931D336KCC	20	33	C			500		
647	F931D476KCC	20	47	C			500		
647	F931D685KAA	20	6.8	A			500		
647	F931E106KBA	25	10	B			500		
647	F931E335KAA	25	3.3	A			500		
647	F931V105KAA	35	1	A			500		
647	F931V106KCC	35	10	C			500		
647	F931V155KAA	35	1.5	A			500		
647	F931V156KNC	35	15	N			500		
647	F931V225KAA	35	2.2	A			500		
647	F931V226KNC	35	22	N			500		
647	F931V335KBA	35	3.3	B			500		
647	F931V475KBA	35	4.7	B			500		

PANASONIC Tantalum-Polymer Solid Capacitors Panasonic

NEW FROM PANASONIC

Tantalum Caps, SMD Panasonic

NEW FROM PANASONIC

NEW FROM PANASONIC

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POSCAP™ TANTALUM-POLYMER SOLID CAPACITORS - SMD, ORGANIC, LOW ESR

The POSCAP™ capacitors utilize a sintered tantalum anode and a proprietary high conductivity polymer for a cathode. Panasonic's innovative construction and processing yields the lowest ESR level in polymer tantalum technology, and exhibits excellent performance in high frequency applications. Offering a high volumetric efficiency for capacitance, POSCAP™ capacitors are available in various, compact package sizes for a small PCB footprint. Additionally, POSCAP™ parts demonstrate a high reliability and high heat resistance, making them the ideal chip capacitor for digital, high frequency devices and more.

Features:

- Low profile package size: 0.9mm height
- Very low ESR
- Large capacitance
- High temperature reflow solder capable

Benefits:

- High volumetric efficiency for capacitance
- Safe alternative to generic tantalum capacitors
- Variety of low profile packages opens up PCB space
- Wide application coverage

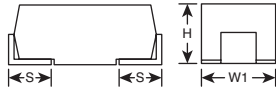
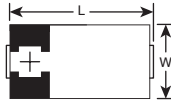
Specifications:

- Tolerance: 20%

Applications:

- PC/Server
- Set Top Box
- Audio/Video Equipment
- FPGA Power Delivery
- Router/Switch/Base Station
- Test and Measurement

Size Code	Dimensions: mm				
	L	W	H	S	W1
S09	2	1.25	0.9	0.5	0.9
S11	2	1.25	1.1	0.5	0.9
B09	3.5	2.8	0.9	0.8	2.2
B1/B1G	3.5	2.8	1.1	0.8	2.2
B15G	3.5	2.8	1.4	0.8	2.2
B2/B2S	3.5	2.8	1.9	0.8	2.2
D15E	7.3	4.3	1.4	1.1	2.4
D2E	7.3	4.3	1.8	1.3	2.4
D2	7.3	4.3	1.9	1.3	2.4
D3L	7.3	4.3	2.8	1.3	2.4
D4	7.3	4.3	3.8	1.3	2.4



TPB Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Voltage (V)	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
						1	100		
667-4TPB68M	4TPB68M	4	68	70	B2			2000	
667-4TPB330ML	4TPB330ML	4	330	40	D3L			2500	
667-6TPB68M	6TPB68M	6.3	68	70	B2			2000	
667-6TPB220ML	6TPB220ML	6.3	220	40	D3L			2500	
667-6TPB330MAL	6TPB330MAL	6.3	330	40	D3L			2500	
667-6TPB330ML	6TPB330ML	6.3	330	40	D3L			2500	
667-6TPB330M	6TPB330M	6.3	330	40	D4			2000	
667-6TPB470M	6TPB470M	6.3	470	35	D4			2000	
667-10TPB33M	10TPB33M	10	33	70	B2			2000	
667-10TPB47M	10TPB47M	10	47	70	B2			2000	
667-10TPB150ML	10TPB150ML	10	150	40	D3L			2500	
667-10TPB220ML	10TPB220ML	10	220	40	D3L			2500	
667-10TPB220M	10TPB220M	10	220	40	D4			2000	
667-10TPB330M	10TPB330M	10	330	35	D4			2000	

TPC Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Voltage (V)	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
						1	100		
667-6TPC47MB	6TPC47MB	6.3	47	70	B1			3000	
667-6TPC100M	6TPC100M	6.3	100	45	D2			3000	
667-6TPC150M	6TPC150M	6.3	150	40	D2			3000	
667-6TPC330MA	6TPC330MA	6.3	330	40	D2			3000	
667-8TPC22M	8TPC22M	8	22	70	B1			3000	
667-8TPC150M	8TPC150M	8	150	40	D2			3000	
667-10TPC33MB	10TPC33MB	10	33	70	B1			3000	
667-10TPC68M	10TPC68M	10	68	45	D2			3000	
667-10TPC100M	10TPC100M	10	100	45	D2			3000	
667-12TPC10M	12TPC10M	12.5	10	80	B1			3000	
667-12TPC15M	12TPC15M	12.5	15	80	B1			3000	

TPE Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Voltage (V)	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
						1	100		
667-2TPE330MAFB	2TPE330MAFB	2	330	15	B2			2000	
667-2TPE330MFB	2TPE330MFB	2	330	15	B2			2000	
667-2TPE470MAJGB	2TPE470MAJGB	2	470	11	B2			2000	
667-2R5TPE220M9	2R5TPE220M9	2.5	220	9	D2E			3000	
667-2R5TPE220MC	2R5TPE220MC	2.5	220	12	D2E			3000	
667-2R5TPE220MFGFB	2R5TPE220MFGFB	2.5	220	15	B2			2000	
667-2R5TPE220MAFB	2R5TPE220MAFB	2.5	220	15	B2			2000	
667-2R5TPE220MF	2R5TPE220MF	2.5	220	15	D2E			3000	
667-2R5TPE220MIB	2R5TPE220MIB	2.5	220	21	B2			2000	
667-2R5TPE220MLB	2R5TPE220MLB	2.5	220	21	B2			2000	
667-2R5TPE220M	2R5TPE220M	2.5	220	25	D2E			3000	
667-2R5TPE220MZB	2R5TPE220MZB	2.5	220	35	B2			2000	
667-2R5TPE220MAZB	2R5TPE220MAZB	2.5	220	35	B2			2000	
667-2R5TPE330M7	2R5TPE330M7	2.5	330	7	D2E			3000	
667-2R5TPE330M9	2R5TPE330M9	2.5	330	9	D2E			3000	
667-2R5TPE330MC	2R5TPE330MC	2.5	330	12	D2E			3000	
667-2R5TPE330MF	2R5TPE330MF	2.5	330	15	D2E			3000	
667-2R5TPE330MI	2R5TPE330MI	2.5	330	18	D2E			3000	
667-2R5TPE330M	2R5TPE330M	2.5	330	25	B2			3000	
667-2R5TPE330MAZB	2R5TPE330MAZB	2.5	330	35	B2			2000	
667-2R5TPE470M7	2R5TPE470M7	2.5	470	7	D2E			3000	
667-2R5TPE470M9	2R5TPE470M9	2.5	470	9	D2E			3000	
667-2R5TPE470MC	2R5TPE470MC	2.5	470	12	D2E			3000	
667-2R5TPE470MI	2R5TPE470MI	2.5	470	18	D2E			3000	
667-2R5TPE470M	2R5TPE470M	2.5	470	18	D2E			3000	
667-2R5TPE680MCL	2R5TPE680MCL	2.5	680	12	D3L			2500	
667-2R5TPE680MFL	2R5TPE680MFL	2.5	680	15	D3L			2500	
667-2R5TPE1000MF	2R5TPE1000MF	2.5	1000	15	D4			2000	
667-2R5TPE1500MC	2R5TPE1500MC	2.5	1500	12	D4			2000	
667-2R5TPE1500MF	2R5TPE1500MF	2.5	1500	15	D4			2000	
667-4TPE100MZB	4TPE100MZB	4	100	35	B2			2000	
667-4TPE150MI	4TPE150MI	4	150	18	D2E			3000	
667-4TPE150MAUB	4TPE150MAUB	4	150	30	B2			2000	
667-4TPE150MAZB	4TPE150MAZB	4	150	35	B2			2000	

TPE Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Voltage (V)	Value (µF)	ESR (mΩ)	Case Code	Price Each		Reel Qty.	Price Per Piece
						1	100		
667-4TPE220MF	4TPE220MF	4	220	15	D2E			3000	
667-4TPE220MI	4TPE220MI	4	220	18	D2E			3000	
667-4TPE220M	4TPE220M	4	220	25	D2E			3000	
667-4TPE220MAZB	4TPE220MAZB	4	220	35	B2			2000	
667-4TPE330MI	4TPE330MI	4	330	18	D2E			3000	
667-4TPE330M	4TPE330M	4	330	25	D2E			3000	
667-4TPE470MCL	4TPE470MCL	4	470	12	D3L			2500	
667-4TPE470MFL	4TPE470MFL	4	470	15	D3L			2500	
667-4TPE470MIL	4TPE470MIL	4	470	18	D3L			2500	
667-4TPE470ML	4TPE470ML	4	470	25	D3L			2500	
667-6TPE100MI	6TPE100MI	6.3	100	18	D2E			3000	
667-6TPE100MPB	6TPE100MPB	6.3	100	25	B2			2000	
667-6TPE100M	6TPE100M	6.3	100	25	D2E			3000	
667-6TPE100MAZB	6TPE100MAZB	6.3	100	35	B2			2000	
667-6TPE120MAZB	6TPE120MAZB	6.3	120	35	B2			2000	
667-6TPE150MI	6TPE150MI	6.3	150	18	D2E			3000	
667-6TPE150MAPB	6TPE150MAPB	6.3	150	25	B2			2000	
667-6TPE150M	6TPE150M	6.3	150	25	D2E			3000	
667-6TPE150MAZB	6TPE150MAZB	6.3	150	35	B2			2000	
667-6TPE220MI	6TPE220MI	6.3	220	18	D2E			3000	
667-6TPE220M	6TPE220M	6.3	220	25	D2E			3000	
667-6TPE220MAZB	6TPE220MAZB	6.3	220	35	B2			2000	
667-6TPE330MIL	6TPE330MIL	6.3	330	18	D3L			2500	
667-6TPE330MAP	6TPE330MAP	6.3	330	25	D2E			3000	
667-6TPE330ML	6TPE330ML	6.3	330	25	D3L			2500	
667-6TPE330MFL	6TPE330MFL	6.3	330	15	D3L			2500	
667-6TPE470MI	6TPE470MI	6.3	470	18	D4			2000	
667-6TPE470M	6TPE470M	6.3	470	25	D4			2000	
667-6TPE470MAZU	6TPE470MAZU	6.3	470	35	D15E			4000	
667-6TPE680MI	6TPE680MI	6.3	680	18	D4			2000	
667-6TPE680M	6TPE680M	6.3	680	25	D4			2000	
667-8TPE100MAZB	8TPE100MAZB	8	100	35	B2			2000	
667-10TPE47MAZB	10TPE47MAZB	10	47	35	B2			2000	
667-10TPE68M	10TPE68M	10	68	25	D2E			3000	
667-10TPE220ML	10TPE220ML	10	220	25	D3L			2500	
667-10TPE330M	10TPE330M	10	330	25	D4			2000	

TPF Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.
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VISHAY/SPRAGUE Solid Tantalum Chip Capacitors



594D SERIES: TANTAMOUNT®, CONFORMAL COATED LOW ESR, MAXIMUM CV

This product is RoHS compliant.

595D SERIES: TANTAMOUNT®, CONFORMAL COATED MAXIMUM CV



RoHS Compliant



RoHS Compliant

• Operating Temperature Range: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

• Operating Temperature Range: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Tol.± %	Case Code	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
6.3 Volt										
74—594D107X06R3B2T		100	B	20	0.25				2000	
74—594D127X06R3C2T		120	C	20	0.085				500	
74—594D227X06R3D2T		220	D	20	0.065				500	
74—594D227X96R3C2T		220	C	10	0.08				500	
74—594D227X96R3D2T		220	D	10	0.065				500	
74—594D337X06R3D2T		330	D	20	0.06				500	
74—594D477X96R3D2T		470	D	10	0.06				500	
74—594D108X06R3R2T		1000	R	20	0.03				600	
74—594D108X96R3R2T		1000	R	10	0.03				600	
10 Volt										
74—594D476X0010B2T		47	B	20	0.4				2000	
74—594D686X0010C2T		68	C	20	0.1				500	
74—594D686X9010C2T		68	C	10	0.1				500	
74—594D107X0010C2T		100	C	20	0.095				500	
74—594D157X0010C2T		150	C	20	0.09				500	
74—594D157X0010D2T		150	D	20	0.075				500	
74—594D157X9010D2T		150	D	10	0.075				500	
74—594D227X0010D2T		220	D	20	0.065				500	
74—594D227X9010D2T		220	D	10	0.065				500	
74—594D337X0010R2T		330	R	20	0.045				600	
74—594D337X9010R2T		330	R	10	0.045				600	
16 Volt										
74—594D336X9016C2T		33	C	10	0.15				500	
74—594D476X0016C2T		47	C	20	0.11				500	
74—594D476X9016C2T		47	C	10	0.11				500	
74—594D107X0016C2T		100	C	20	0.08				500	
74—594D107X0016D2T		100	D	20	0.075				500	
74—594D107X9016C2T		100	C	10	0.08				500	
74—594D107X9016D2T		100	D	10	0.075				500	
74—594D187X0016R2T		180	R	20	0.055				600	
74—594D227X0016R2T		220	R	20	0.055				600	
74—594D337X0016R2T		330	R	20	0.055				600	
20 Volt										
74—594D226X0020C2T		22	C	20	0.15				500	
74—594D226X9020C2T		22	C	10	0.15				500	
74—594D476X0020D2T		47	D	20	0.095				500	
74—594D476X9020D2T		47	D	10	0.095				500	
74—594D107X0020D2T		100	D	20	0.085				500	
74—594D107X9020D2T		100	D	10	0.085				500	
74—594D127X0020R2T		120	R	20	0.08				600	
25 Volt										
74—594D156X0025C2T		15	C	20	0.22				500	
74—594D336X0025D2T		33	D	20	0.13				500	
74—594D336X9025D2T		33	D	10	0.13				500	
74—594D686X0025R2T		68	R	20	0.095				600	
74—594D107X0025R2T		100	R	20	0.09				600	
74—594D107X9025R2T		100	R	10	0.09				600	
35 Volt										
74—594D156X0035D2T		15	D	20	0.27				500	
74—594D336X0035R2T		33	R	20	0.2				600	
74—594D336X9035R2T		33	R	10	0.2				600	
74—594D476X9035R2T		47	R	10	0.2				600	
50 Volt										
74—594D475X0050C2T		4.7	C	20	1				500	
74—594D685X0050D2T		6.8	D	20	0.45				500	
74—594D156X0050R2T		15	R	20	0.35				600	
74—594D156X9050R2T		15	R	10	0.35				600	

MOUSER STOCK NO.		Value (µF)	Tol.± %	Case Code	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
6.3 Volt										
74—595D226X96R3B2T		22	10	B	0.57				2000	
74—595D107X06R3C2T		100	20	C	0.2				500	
10 Volt										
74—595D106X0010A2T		10	20	A	1.9				2000	
74—595D106X9010A2T		10	10	A	1.9				2000	
74—595D476X0010B2T		47	20	B	0.65				2000	
74—595D686X0010C2T		68	20	C	0.24				500	
74—595D157X0010D2T		150	20	D	0.14				500	
74—595D157X9010D2T		150	10	D	0.14				500	
74—595D337X0010R2T		330	20	R	0.13				600	
74—595D337X9010R2T		330	10	R	0.13				600	
74—595D477X9010R2T		470	10	R	0.12				600	
16 Volt										
74—595D475X0016A2T		4.7	20	A	2.9				2000	
74—595D106X9016A2T		10	10	A	2.5				2000	
74—595D106X9016B2T		10	10	B	0.76				2000	
74—595D336X0016B2T		33	20	B	0.72				2000	
74—595D476X9016C2T		47	10	C	0.28				500	
74—595D686X0016D2T		68	20	D	0.14				500	
74—595D107X0016C2T		100	20	C	0.27				500	
74—595D107X0016D2T		100	20	D	0.14				500	
74—595D157X9016R2T		150	10	R	0.13				600	
74—595D227X0016R2T		220	20	R	0.12				600	
20 Volt										
74—595D685X0020B2T		6.8	20	B	0.95				2000	
74—595D226X9020C2T		22	10	C	0.38				500	
74—595D476X0020D2T		47	20	D	0.19				500	
74—595D476X9020D2T		47	10	D	0.19				500	
74—595D107X0020D2T		100	20	D	0.18				500	
74—595D107X0020R2T		100	20	R	0.14				600	
74—595D107X9020R2T		100	10	R	0.14				600	
74—595D127X0020R2T		120	20	R	0.14				600	
74—595D157X0020R2T		150	20	R	0.14				600	
74—595D157X9020R2T		150	10	R	0.14				600	
25 Volt										
74—595D106X9025B2T		10	10	B	1.5				2000	
74—595D106X9025C2T		10	10	C	0.57				500	
74—595D336X0025D2T		33	20	D	0.27				500	
74—595D336X9025D2T		33	10	D	0.27				500	
74—595D476X9025R2T		47	10	R	0.2				600	
74—595D686X0025R2T		68	20	R	0.2				600	
74—595D686X9025R2T		68	10	R	0.2				600	
74—595D107X0025R2T		100	20	R	0.2				600	
74—595D107X9025R2T		100	10	R	0.2				600	
35 Volt										
74—595D105X9035A2T		1	10	A	4.1				2000	
74—595D475X9035B2T		4.7	10	B	2.2				2000	
74—595D106X0035D2T		10	20	D	0.43				500	
74—595D106X9035D2T		10	10	D	0.43				500	
74—595D226X9035R2T		22	10	R	0.28				600	
74—595D336X0035R2T		33	20	R	0.28				600	
74—595D336X9035R2T		33	10	R	0.28				600	
74—595D476X0035R2T		47	20	R	0.28				600	
74—595D476X9035R2T		47	10	R	0.28				600	
50 Volt										
74—595D106X0050R2T		10	20	R	0.65				600	
74—595D106X9050D2T		10	10	D	0.8				500	
74—595D156X0050R2T		15	20	R	0.4				600	
74—595D226X0050R2T		22	20	R	0.39				600	
74—595D226X9050R2T		22	10	R	0.39				600	

VISHAY/SPRAGUE Solid Tantalum Chip Capacitors



592D SERIES: TANTAMOUNT®, LOW PROFILE, CONFORMAL COATED, MAXIMUM CV

RoHS Compliant This product is RoHS compliant.



* Operating temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Code	Tol. ± %	ESR (Ω)	Price Each			Reel Quantity	Price Per Piece
						1	10	50		
6.3 Volt										
74-592D226X96R3B2T	592D226X96R3B2T15H	22	B	10	1.5				2000	
74-592D477X06R3C2T16	592D477X06R3C2T16H	470	C	20	0.200				1000	
74-592D477X06R3C2T20	592D477X06R3C2T20H	470	C	20	0.100				1000	
74-592D108X06R3R2T20	592D108X06R3R2T20H	1000	R	20	0.040				1000	
74-592D108X96R3R2T20	592D108X96R3R2T20H	1000	R	10	0.200				1000	
74-592D108X06R3X2T20	592D108X06R3X2T20H	1000	X	20	0.040				500	
74-592D158X06R3R2T20	592D158X06R3R2T20H	1500	R	20	0.090				1000	
74-592D228X96R3X2T	592D228X96R3X2T20H	2200	X	10	0.055				500	
16 Volt										
74-592D685X0016B2T	592D685X0016B2T15H	6.8	B	20	1.8				2000	
74-592D106X9016C2T	592D106X9016C2T15H	10	C	10	1				1000	
74-592D476X0016B2T20	592D476X0016B2T20H	47	B	20	0.72				2000	
20 Volt										
74-592D156X9020C2T	592D156X9020C2T15H	15	C	10	0.60				1000	
25 Volt										
74-592D106X0025R2T	592D106X0025R2T15H	10	R	20	0.48				1000	
35 Volt										
74-592D105X9035A2T	592D105X9035A2T15H	1	A	10	10				2500	

597D SERIES: TANTAMOUNT® ULTRA-LOW ESR, CONFORMAL COATED, MAXIMUM CV



* Operating Temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (µF)	Case Code	Tol. ± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
4 Volt											
71-597D477X9004V2T		470	V	10	0.06					1000	
71-597D108X9004E2T		1000	E	10	0.02					500	
6.3 Volt											
71-597D337X96R3V2T		330	V	10	0.056					1000	
71-597D477X96R3E2T		470	E	10	0.03					500	
71-597D687X06R3E2T		680	E	20	0.025					500	
71-597D687X96R3E2T		680	E	10	0.025					500	
71-597D108X96R3R2T		1000	R	10	0.02					300	
10 Volt											
71-597D337X0010E2T		330	E	20	0.035					500	
71-597D337X9010E2T		330	E	10	0.035					500	
71-597D477X0010E2T		470	E	20	0.028					500	
71-597D477X9010E2T		470	E	10	0.028					500	
71-597D687X9010R2T		680	R	10	0.028					300	
71-597D108X9010F2T		1000	F	10	0.12					250	
16 Volt											
71-597D227X9016E2T		220	E	10	0.06					500	
20 Volt											
71-597D227X0020R2T		220	R	20	0.08					300	
71-597D227X9020R2T		220	R	10	0.08					300	
71-597D337X0020H2T		330	H	20	0.1					200	
25 Volt											
71-597D157X9025F2T		150	F	10	0.08					250	
71-597D227X0025M2T		220	M	20	0.1					200	
35 Volt											
71-597D476X9035R2T		47	R	10	0.08					300	
71-597D107X0035F2T		100	F	20	0.1					250	
50 Volt											
71-597D156X9050E2T		15	E	10	0.3					500	
71-597D156X9050R2T		15	R	10	0.25					300	
71-597D226X0050R2T		22	R	20	0.17					300	
71-597D226X9050R2T		22	R	10	0.17					300	
71-597D336X0050F2T		33	F	20	0.15					250	
71-597D336X9050F2T		33	F	10	0.15					250	
71-597D476X0050Z2T		47	Z	20	0.145					250	
71-597D476X9050Z2T		47	Z	10	0.145					250	
63 Volt											
71-597D226X0063F2T		22	F	20	0.2					250	
71-597D226X9063F2T		22	F	10	0.2					250	
75 Volt											
71-597D106X9075R2T		10	R	10	0.5					300	

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TL3 SERIES: TANTAMOUNT® MOLDED CASE, LOW DCL



* Operating Temperature: -55°C to +125°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (µF)	Case Code	Tol. ± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
10 Volt											
74-TL3A475K010C3000		4.7	A	10	3					2000	
74-TL3A106K010C2000		10	A	10	2					2000	
74-TL3C107K010C0200		100	C	10	0.2					500	
74-TL3D107K010C0100		100	D	10	0.1					500	
74-TL3D227K010C0360		220	D	10	0.36					500	
16 Volt											
74-TL3A475K016C3500		4.7	A	10	3.5					2000	
74-TL3A106K016C1700		10	A	10	1.7					2000	
74-TL3B106K016C0800		10	B	10	0.8					2000	
74-TL3C106K016C0450		10	C	10	0.45					500	
74-TL3C476K016C0300		47	C	10	0.3					500	
74-TL3D476K016C0150		47	D	10	0.15					500	
74-TL3D107K016C0125		100	D	10	0.125					500	
20 Volt											
74-TL3B106K020C1000		10	B	10	1					2000	
74-TL3D476K020C0200		47	D	10	0.2					500	
74-TL3E107K020C0150		100	E	10	0.15					400	
25 Volt											
74-TL3C106K025C0450		10	C	10	0.45					500	
74-TL3D226K025C0200		22	D	10	0.2					500	
35 Volt											
74-TL3A105K035C6000		1	A	10	6					2000	
74-TL3B105K035C2000		1	B	10	2					2000	
74-TL3D106K035C0300		10	D	10	0.3					500	
74-TL3D226K035C0400		22	D	10	0.4					500	
74-TL3E226K035C0300		22	E	10	0.3					400	
50 Volt											
74-TL3D475K050C0600		4.7	D	10	0.6					500	
74-TL3E106K050C0550		10	E	10	0.55					400	

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VISHAY/SPRAGUE Solid Tantalum Chip Capacitors



592W SERIES: CONFORMAL COATED PULSE CAPACITORS FOR WIRELESS MODEMS



• Operating temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
6.3 Volt										
74	592W228X06R3X2T16	2200	X	20	0.070				500	
8.2 Volt										
74	592W477X08R2C2T20	470	C	20	0.100				1000	
10 Volt										
74	592W337X0010C2T20	330	C	20	0.100				1000	
74	592W757X0010M2T20	750	M	20	0.100				1000	

T95 SERIES: HI-REL COTS, CONFORMAL COATED CASE



• Operating temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	25		
10 Volt										
74	T95R107K010LSAL	100	R	10	0.075				300	
74	T95R337K010EABS	330	R	10	0.13				600	
16 Volt										
74	T95X106K016LSAL	10	X	10	1.5				1000	
74	T95R686K016LSAL	68	R	10	0.095				300	
74	T95C107K016LSAL	100	C	10	0.089				250	
74	T95D157K016LSAL	150	D	10	0.085				250	
74	T95R227K016LSAL	220	R	10	0.055				300	
74	T95R337K016LSAL	330	R	10	0.055				300	
20 Volt										
74	T95R157K020LSAL	150	R	10	0.075				300	
25 Volt										
74	T95D336K025LSAL	33	D	10	0.13				250	
74	T95R686K025LABS	68	R	10	0.2				300	
74	T95R107M025ESS	100	R	20	0.2				600	
35 Volt										
74	T95R336K035LABS	33	R	10	0.28				300	
50 Volt										
74	T95D685K050LSAL	6.8	D	10	0.45				250	
74	T95R106K050LSAL	10	R	10	0.5				300	
74	T95R156K050LSAL	15	R	10	0.35				300	
74	T95R226K050EABS	22	R	10	0.39				600	
75	T95R226K050LSAL	22	R	10	0.3				300	
74	T95R226M050ESBL	22	R	20	0.3				600	

T97 SERIES: HI-REL COTS, CONFORMAL COATED CASE ULTRA-LOW ESR

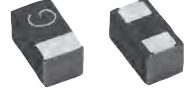


• Operating temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	25		
6.3 Volt										
74	T97R108K6R3HSA	1000	R	10	0.02				150	
20 Volt										
74	T97E337K010EAA	330	E	10	0.035				500	
74	T97E337K010LSA	330	E	10	0.035				250	
74	T97R687K010LSA	680	R	10	0.028				150	
74	T97F108K010LSA	1000	F	10	0.12				125	
25 Volt										
74	T97R227K020LSA	220	R	10	0.08				150	
74	T97H337K020HSA	330	H	10	0.1				100	
74	T97H337K020HSB	330	H	10	0.1				100	
35 Volt										
74	T97F157K025LSA	150	F	10	0.08				125	
50 Volt										
74	T97E156K050EBB	15	E	10	0.3				500	
74	T97E156K050LSA	15	E	10	0.3				250	
74	T97R226K050LSA	22	R	10	0.17				150	
74	T97F336K050CAA	33	F	10	0.15				250	
74	T97F336K050EAA	33	F	10	0.15				250	
74	T97F336K050ESA	33	F	10	0.15				250	
74	T97Z476K050ESB	47	Z	10	0.145				250	
74	T97Z476K050HSA	47	Z	10	0.145				125	
74	T97Z476K050LSA	47	Z	10	0.145				125	
63 Volt										
74	T97F226K063LSA	22	F	10	0.2				125	
75 Volt										
74	T97R106K075LSA	10	R	10	0.5				150	

298W SERIES: HIGH CV LEAD FRAMELESS MOLDED

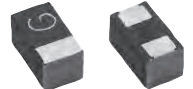


• Operating temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
4 Volt										
74	298W227X0004Q2T	220	Q	20	15				2500	
6.3 Volt										
74	298W106X06R3K2T	10	K	20	15				5000	
10 Volt										
74	298W107X0010Q2T	100	Q	20	15				2500	

298D SERIES: LEAD FRAMELESS MOLDED

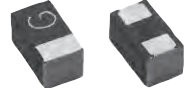


• Operating temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
4 Volt										
74	298D476X0004M2T	47	M	20	7.5				4000	
6.3 Volt										
71	298D475X06R3M2T	4.7	M	20	3				4000	
71	298D106X06R3M2T	10	M	20	5				4000	
74	298D226X06R3M2T	22	M	20	5.5				4000	
74	298D336X06R3M2T	33	M	20	7.5				4000	
10 Volt										
71	298D475X0010M2T	4.7	M	20	5				4000	
74	298D475X9010M2T	4.7	M	10	5				4000	
71	298D106X0010M2T	10	M	20	7.5				4000	
74	298D156X0010M2T	15	M	20	7.5				4000	
74	298D476X0010P2T	47	P	20	3				3000	
16 Volt										
71	298D105X0016M2T	1	M	20	20				4000	
74	298D105X9016M2T	1	M	10	20				4000	
74	298D225X0016M2T	2.2	M	20	12				4000	
25 Volt										
74	298D105X0025M2T	1	M	20	10				4000	

TM8 SERIES: HI-REL, LOW DCL, LEAD FRAMELESS MOLDED

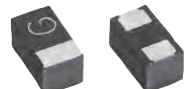


• Operating temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	Max DCL (µA)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
6.3 Volt										
74	TM8M106K6R3UBA	10	M	10	0.32				300	
74	TM8M156K6R3UBA	15	M	10	0.47				300	
10 Volt										
74	TM8M105K010UBA	1	M	10	0.20				300	
74	TM8M475K010UBA	4.7	M	10	0.24				300	
74	TM8L755K010UBA	7.5	L	10	0.38				300	
74	TM8R106K010UBA	10	R	10	0.50				300	
74	TM8T476K010UBA	47	T	10	2.35				300	
16 Volt										
74	TM8M105K016UBA	1	M	10	0.20				300	
74	TM8R106K016UBA	10	R	10	0.80				300	
20 Volt										
74	TM8W105K020UBA	1	M	10	0.20				300	
74	TM8R335K020UBA	3.3	R	10	0.33				300	
25 Volt										
74	TM8R105K025UBA	1	R	10	0.20				300	
74	TM8P475K025UBA	4.7	P	10	0.59				300	
40 Volt										
74	TM8P105K040UBA	1	P	10	0.20				300	

TR8 SERIES: HI-REL COTS, ULTRA-LOW ESR, LEAD FRAMELESS MOLDED



• Operating temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
4 Volt										
74	TR8M476M004C1500	47	M	20	1.5				4000	
6.3 Volt										
74	TR8M226M6R3C1500	22	M	20	1.5				4000	
74	TR8M336M6R3C1500	33	M	20	1.5				4000	
10 Volt										
74	TR8M156M010C3000	15	M	20	3				4000	
16 Volt										
74	TR8M105M016C9500	1	M	20	9.5				4000	

VISHAY/SPRAGUE Molded Solid Tantalum Chip Capacitors



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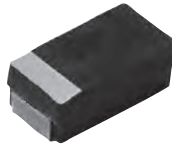
Tantalum Caps, SMD

Vishay

NEW AT Mouser

NEW AT Mouser

893D SERIES: FUSED LOW ESR

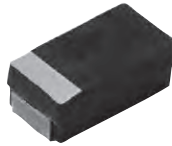


• Operating temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
10 Volt										
74	893D226X9010C2TE3	22	C	10	1.4				500	
74	893D107X9010D2TE3	100	D	10	0.6				500	
74	893D157X9010E2TE3	150	E	10	0.6				400	
74	893D227X9010E2TE3	220	E	10	0.5				400	
16 Volt										
74	893D106X9016C2TE3	10	C	10	1.8				500	
74	893D336X9016D2TE3	33	D	10	0.7				500	
74	893D476X9016D2TE3	47	D	10	0.7				500	
74	893D107X9016E2TE3	100	E	10	0.6				400	
20 Volt										
74	893D106X9020C2TE3	10	C	10	1.6				500	
74	893D226X9020D2TE3	22	D	10	0.7				500	
25 Volt										
74	893D475X9025C2TE3	4.7	C	10	1.9				500	
74	893D106X9025D2TE3	10	D	10	1				500	
74	893D226X9025E2TE3	22	E	10	0.7				400	
35 Volt										
74	893D685X9035D2TE3	6.8	D	10	1				500	
74	893D106X9035D2TE3	10	D	10	0.8				500	
74	893D226X9035E2TE3	22	E	10	0.6				400	
50 Volt										
74	893D105X9050C2TE3	1	C	10	4.4				500	
74	893D475X9050D2TE3	4.7	D	10	1.7				500	
74	893D685X9050E2TE3	6.8	E	10	0.9				400	

TF3 SERIES: FUSED LOW ESR

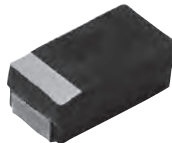


• Operating temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
6 Volt										
74	TF3D476K6R3C0450	47	D	10	0.45				500	
10 Volt										
74	TF3C156K010C1800	15	C	10	1.8				500	
16 Volt										
74	TF3C106K016C0600	10	C	10	0.6				500	
74	TF3D686K016C0300	68	D	10	0.3				500	
20 Volt										
74	TF3D336K020C0350	33	D	10	0.35				500	
35 Volt										
74	TF3D156K035C0500	15	D	10	0.5				500	
50 Volt										
74	TF3C105K050C2700	1	C	10	2.7				500	

TH3 SERIES: HIGH TEMPERATURE, AUTOMOTIVE GRADE



• Operating temperature: -55°C to 85°C (150°C with voltage derating)
• AEC-Q200 Qualified

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
16 Volt										
74	TH3A225K016C4300	2.2	A	10	4.3				2000	
74	TH3D476K016C0600	47	D	10	0.6				500	
74	TH3E107K016C0600	100	E	10	0.6				400	
25 Volt										
74	TH3B225K025C3000	2.2	B	10	3				2000	
74	TH3C106K025C1100	10	C	10	1.1				500	
74	TH3D336K025C0500	33	D	10	0.5				500	
35 Volt										
74	TH3B105K035C4400	1	B	10	4.4				2000	
74	TH3D106K035C0700	10	D	10	0.7				500	
74	TH3E226K035C0500	22	E	10	0.5				400	
74	TH3D226K035C0300	22	D	10	0.3				500	

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TH4 SERIES: HIGH TEMPERATURE, AUTOMOTIVE GRADE

• Operating Temperature: -55°C to 175°C
• AEC-Q200 Qualified

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
6 Volt										
74	TH4B106K6R3C1800	10	B	10	1.8				2000	
74	TH4B226K6R3C1500	22	B	10	1.5				2000	
74	TH4C476K6R3C0800	47	C	10	0.8				500	
10 Volt										
74	TH4B106K010C1800	10	B	10	1.8				2000	
74	TH4B226K010C1600	22	B	10	1.6				2000	
74	TH4C226K010C1400	22	C	10	1.4				500	
74	TH4C476K010C0500	47	C	10	0.5				500	
16 Volt										
74	TH4B106K016C2000	10	B	10	2.0				2000	
74	TH4B226K016C1900	22	B	10	1.9				2000	
74	TH4C226K016C1400	22	C	10	1.4				500	
74	TH4C476K016C0800	47	C	10	0.8				500	

TH5 SERIES: HIGH TEMPERATURE

• Operating Temperature: -55°C to 200°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
21 Volt										
74	TH5E106K021A1000	10	E	10	1				100	
24 Volt										
74	TH5E475K024A2500	1.7	E	10	2.5				100	

T83 SERIES: HI-REL COTS STANDARD

• Operating temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
6 Volt										
74	T83B476K6R3EZLL	47	B	10	0.55				2000	
74	T83B476K6R3EBZL	47	B	10	0.55				2000	
74	T83C227K6R3EZLL	220	C	10	0.3				500	
10 Volt										
74	T83A475K010EZLL	4.7	A	10	3				2000	
74	T83B336K010EZLL	33	B	10	0.6				2000	
74	T83B476K010EZLL	47	B	10	0.6				2000	
74	T83C107K010EZLL	100	C	10	0.9				500	
74	T83D107K010EZLL	100	D	10	0.1				500	
74	T83E227K010EZLL	220	E	10	0.1				400	
74	T83E337K010EZLL	330	E	10	0.5				400	
16 Volt										
74	T83B106K016EZLL	10	B	10	0.8				2000	
74	T83C106K016EBZS	10	C	10	1.8				500	
74	T83B336K016EZLL	33	B	10	0.5				2000	
74	T83D476K016EZLL	47	D	10	0.15				500	
74	T83D476K016EBZL	47	D	10	0.15				500	
74	T83E107K016EZLL	100	E	10	0.6				400	
20 Volt										
74	T83B106K020EZLL	10	B	10	1				2000	
74	T83D476K020EZLL	47	D	10	0.7				500	
25 Volt										
74	T83A225K025EZLL	2.2	A	10	4				2000	
74	T83B475K025EZLL	4.7	B	10	1.5				2000	
74	T83C106K025EZLL	10	C	10	0.45				500	
74	T83E336K025EZLL	33	E	10	0.2				400	
74	T83D476K025EBZL	47	D	10	0.35				500	
35 Volt										
74	T83A105K035EZLL	1	A	10	6				2000	
74	T83B335K035EZLL	3.3	B	10	1.5				2000	
74	T83C475K035EZLL	4.7	C	10	0.6				500	
74	T83C106K035EZLL	10	C	10	0.85				500	
35 Volt										
74	T83D156K035EZLL	15	D	10	0.3				500	
74	T83D226K035EZLL	22	D	10	0.4				500	
74	T83E226K035EZLL	22	E	10	0.3				400	
50 Volt										
74	T83B105K050EZLL	1	B	10	2				2000	
74	T83C105K050EZLL	1	C	10	1.6				500	
74	T83C225K050EZLL	2.2	C	10	1.5				500	
74	T83E106K050EZLL	10	E	10	0.8				400	
63 Volt										
74	T83D475K063EZLL	4.7	D	10	0.7				500	
74	T83E106K063EZLL	10	E	10	0.6				400	

TP3 SERIES: HIGH PERFORMANCE, AUTOMOTIVE GRADE

• Operating temperature: -55°C to 85°C (125°C with voltage derating)

• AEC-Q200 Qualified

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
6 Volt										
74	TP3B107K6R3C1700A	100	B	10	1.7				2000	
10 Volt										
74	TP3A225M010D6300A	2.2	A	20	6.3				9000	
74	TP3A106K010C3400A	10	A	10	3.4				2000	
74	TP3B336M010C1500A	33	B	20	1.5				2000	
16 Volt										
74	TP3A475K016C2500A	4.7	A	10	2.5				2000	
74	TP3A106K016C1700A	10	A	10	1.7				2000	

VISHAY/SPRAGUE Molded Tantalum Chip Capacitors



RoHS compliant This product is RoHS compliant.

* Go to mouser.com for complete product listing.

293D SERIES: COMMERCIAL CHIP CAPACITORS (CONT.)



293D SERIES: COMMERCIAL CHIP CAPACITORS

- Operating temperature: -55°C to +85°C (To +125°C with voltage derating)
- Meets IEC Specification QC300801/US0001 and EIA 535BAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol.± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
6.3 Volt										
74	293D106X96R3A2TE3	10	A	10	3.4				2000	
74	293D226X96R3A2TE3	22	A	10	2.9				2000	
74	293D476X96R3B2TE3	47	B	10	1.9				2000	
74	293D107X96R3B2TE3	100	B	10	1.7				2000	
74	293D107X96R3C2TE3	100	C	10	0.8				500	
74	293D107X96R3D2TE3	100	D	10	0.7				500	
74	293D227X96R3D2TE3	220	D	10	0.6				500	
74	293D337X96R3D2TE3	330	D	10	0.6				500	
74	293D477X96R3E2TE3	470	E	10	0.5				400	
10 Volt										
74	293D225X9010A2TE3	2.2	A	10	6.3				2000	
74	293D475X9010A2TE3	4.7	A	10	5.0				2000	
74	293D106X9010A2TE3	10	A	10	3.4				2000	
74	293D106X9010B2TE3	10	B	10	2.5				2000	
74	293D226X9010B2TE3	22	B	10	1.9				2000	
74	293D336X9010B2TE3	33	B	10	1.9				2000	
74	293D476X9010C2TE3	47	C	10	1.1				500	
74	293D476X9010B2TE3	47	B	10	1.8				2000	
74	293D686X9010D2TE3	68	D	10	0.7				500	
74	293D107X9010D2TE3	100	D	10	0.6				500	
74	293D107X9010C2TE3	100	C	10	0.9				500	
74	293D157X9010D2TE3	150	D	10	0.6				500	
74	293D227X9010D2TE3	220	D	10	0.6				500	
74	293D337X9010E2TE3	330	E	10	0.5				400	
16 Volt										
74	293D105X0016A2TE3	1	A	20	9.3				2000	
74	293D105X0016A2TE3	1	A	10	9.3				2000	
74	293D225X9016A2TE3	2.2	A	10	5.9				2000	
74	293D335X9016A2TE3	3.3	A	10	5.0				2000	
74	293D475X9016A2TE3	4.7	A	10	5.0				2000	
74	293D475X9016B2TE3	4.7	B	10	2.9				2000	
74	293D685X9016B2TE3	6.8	B	10	2.5				2000	
74	293D106X9016A2TE3	10	A	10	3.0				2000	
74	293D106X9016B2TE3	10	B	10	2.0				2000	
74	293D106X0016C2TE3	10	C	20	1.8				500	
74	293D106X9016C2TE3	10	C	10	1.8				500	
74	293D106X0016B2TE3	10	B	20	2.0				2000	
74	293D226X9016B2TE3	22	B	10	1.9				2000	
74	293D226X9016C2TE3	22	C	10	1.4				500	
74	293D226X9016D2TE3	22	D	10	0.8				500	
74	293D336X9016C2TE3	33	C	10	1.1				500	
74	293D476X9016C2TE3	47	C	10	1.0				500	
74	293D476X9016D2TE3	47	D	10	0.7				500	
74	293D476X0016C2TE3	47	C	20	1.0				500	
74	293D686X9016D2TE3	68	D	10	0.6				500	
74	293D107X9016D2TE3	100	D	10	0.6				500	
74	293D107X9016E2TE3	100	E	10	0.6				400	
20 Volt										
74	293D105X9020A2TE3	1	A	10	8.4				2000	
74	293D105X0020A2TE3	1	A	20	8.4				2000	
74	293D225X9020B2TE3	2.2	B	10	3.5				2000	
74	293D106X9020B2TE3	10	B	10	2.5				2000	
74	293D226X9020D2TE3	22	D	10	0.7				500	
74	293D336X9020D2TE3	33	D	10	0.7				500	
74	293D476X9020D2TE3	47	D	10	0.7				500	
74	293D107X9020E2TE3	100	E	10	0.5				400	
25 Volt										
74	293D474X9025A2TE3	0.47	A	10	12.0				2000	
74	293D105X9025A2TE3	1	A	10	7.6				2000	
74	293D225X9025B2TE3	2.2	B	10	3.8				2000	
74	293D335X9025B2TE3	3.3	B	10	3.1				2000	
74	293D475X9025C2TE3	4.7	C	10	2.0				500	
74	293D106X9025C2TE3	10	C	10	1.5				500	
74	293D106X0025D2TE3	10	D	20	1.0				500	
74	293D106X9025D2TE3	10	D	10	1.0				500	
74	293D106X0025C2TE3	10	C	20	1.5				500	
74	293D156X9025D2TE3	15	D	10	0.8				500	
74	293D226X9025D2TE3	22	D	10	0.7				500	
74	293D336X9025D2TE3	33	D	10	0.7				500	
35 Volt										
74	293D104X9035A2TE3	0.1	A	10	20.0				2000	
74	293D224X9035A2TE3	0.22	A	10	15.0				2000	
74	293D334X9035A2TE3	0.33	A	10	13.0				2000	
74	293D474X9035A2TE3	0.47	A	10	10.0				2000	
74	293D105X9035A2TE3	1	A	10	7.5				2000	
74	293D105X9035B2TE3	1	B	10	5.0				2000	
74	293D225X9035C2TE3	2.2	C	10	2.9				500	
74	293D335X9035C2TE3	3.3	C	10	2.1				500	

MOUSER STOCK NO.		Value (µF)	Case Code	Tol.± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
35 Volt (Cont.)										
74	293D475X9035C2TE3	4.7	C	10	1.9				500	
74	293D685X9035D2TE3	6.8	D	10	1.1				500	
74	293D106X0035D2TE3	10	D	20	0.8				500	
74	293D106X9035D2TE3	10	D	10	0.8				500	
74	293D156X9035D2TE3	15	D	10	0.7				500	
74	293D226X9035D2TE3	22	D	10	0.6				500	
74	293D226X9035E2TE3	22	E	10	0.6				400	
50 Volt										
74	293D104X9050A2TE3	0.1	A	10	19.0				2000	
74	293D334X9050B2TE3	0.33	B	10	10.0				2000	
74	293D474X9050C2TE3	0.47	C	10	6.7				500	
74	293D105X9050C2TE3	1	C	10	4.6				500	
74	293D105X9050B2TE3	1	B	10	6.7				2000	
74	293D225X9050C2TE3	2.2	C	10	2.9				500	
74	293D335X9050C2TE3	3.3	C	10	2.5				500	
74	293D475X9050D2TE3	4.7	D	10	1.2				500	
74	293D685X9050D2TE3	6.8	D	10	0.9				500	
74	293D106X9050E2TE3	10	E	10	0.8				400	
74	293D106X0050E2TE3	10	E	20	0.8				400	

593D SERIES: LOW ESR CHIP CAPACITORS

MOUSER STOCK NO.		Value (µF)	Case Code	Tol.± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
6.3 Volt										
74	593D107X96R3C2TE3	100	C	10	0.25				500	
74	593D227X96R3D2TE3	220	D	10	0.1				500	
74	593D337X96R3D2TE3	330	D	10	0.13				500	
74	593D477X96R3E2TE3	470	E	10	0.1				400	
10 Volt										
74	593D106X9010A2TE3	10	A	10	2.0				2000	
74	593D226X9010B2TE3	22	B	10	0.7				2000	
74	593D336X9010B2TE3	33	B	10	0.6				2000	
74	593D476X9010B2TE3	47	B	10	0.6				2000	
74	593D476X0010C2TE3	47	C	20	0.3				500	
74	593D107X9010C2TE3	100	C	10	0.2				500	
74	593D107X0010D2TE3	100	D	20	0.1				500	
74	593D107X9010D2TE3	100	D	10	0.1				500	
74	593D227X0010D2TE3	220	D	20	0.125				500	
74	593D227X9010D2TE3	220	D	10	0.125				500	
74	593D227X0010E2TE3	220	E	20	0.1				400	
74	593D227X9010E2TE3	220	E	10	0.1				400	
74	593D337X9010E2TE3	330	E	10	0.1				400	
16 Volt										
74	593D475X9016A2TE3	4.7	A	10	2.5				2000	
74	593D106X9016A2TE3	10	A	10	1.7				2000	
74	593D106X9016B2TE3	10	B	10	0.8				2000	
74	593D106X0016C2TE3	10	C	20	0.45				500	
74	593D106X9016C2TE3	10	C	10	0.45				500	
74	593D156X9016B2TE3	15	B	10	0.8				2000	
74	593D226X9016B2TE3	22	B	10	0.7				2000	
74	593D336X9016C2TE3	33	C	10	0.3				500	
74	593D476X9016C2TE3	47	C	10	0.3				500	
74	593D476X9016D2TE3	47	D	10	0.15				500	
74	593D107X0016D2TE3	100	D	20	0.125				500	
74	593D107X9016D2TE3	100	D	10	0.125				500	
74	593D107X9016E2TE3	100	E	10	0.1				400	
74	593D157X9016E2TE3	150	E	10	0.1				400	
20 Volt										
74	593D225X9020A2TE3	2.2	A	10	4.0				2000	
74	593D475X9020B2TE3	4.7	B	10						

VISHAY/SPRAGUE Solid Tantalum Chip Capacitors



RoHS Compliant This page of product is RoHS compliant.

TR3 SERIES: TANTAMOUNT® MOLDED CASE, LOW ESR

Features:

- Operating temperature: -55°C to +85°C (to +125°C with voltage derating)
- Compatible with "High Volume" automatic pick and place equipment
- High ripple current carrying capability
- Meets IEC Specification QC300801/US0001 and EIA 535BAAE
- Low ESR



4 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. ± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
74	TR3A476K004C0500	47	A	10	0.5				2000	
74	TR3B227M004C0700	220	B	20	0.7				2000	
74	TR3B227M004C1100	220	B	20	1.1				2000	
74	TR3E108M004C0100	1000	E	20	0.1				400	

16 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. ± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
74	TR3A475K016C2000	4.7	A	10	2				2000	
74	TR3B475K016C1500	4.7	B	10	1.5				2000	
74	TR3A106K016C1700	10	A	10	1.7				2000	
74	TR3B106K016C0500	10	B	10	0.5				2000	
74	TR3B106K016C0800	10	B	10	0.8				2000	
74	TR3B106M016C0800	10	B	20	0.8				2000	
74	TR3C106K016C0450	10	C	10	0.45				500	
74	TR3C106K016C0600	10	C	10	0.6				500	
74	TR3B226K016C0600	22	B	10	0.6				2000	
74	TR3B226K016C0700	22	B	10	0.7				2000	
74	TR3C226K016C0350	22	C	10	0.35				500	
74	TR3C226K016C0375	22	C	10	0.375				500	
74	TR3B336K016C0350	33	B	10	0.35				2000	
74	TR3B336K016C0500	33	B	10	0.5				2000	
74	TR3B336K016C0700	33	B	10	0.7				2000	
74	TR3C336K016C0300	33	C	10	0.3				500	
74	TR3D336K016C0150	33	D	10	0.15				500	
74	TR3C476K016C0300	47	C	10	0.3				500	
74	TR3C476K016C0350	47	C	10	0.35				500	
74	TR3C476M016C0350	47	C	20	0.35				500	
74	TR3D476K016C0100	47	D	10	0.1				500	
74	TR3D476K016C0150	47	D	10	0.15				500	
74	TR3D476K016C0200	47	D	10	0.2				500	
74	TR3D686K016C0070	68	D	10	0.07				500	
74	TR3D686K016C0150	68	D	10	0.15				500	
74	TR3D686M016C0070	68	D	20	0.07				500	
74	TR3D107K016C0100	100	D	10	0.1				500	
74	TR3D107K016C0125	100	D	10	0.125				500	
74	TR3D107K016C0150	100	D	10	0.15				500	
74	TR3E107M016C0100	100	E	10	0.1				400	
74	TR3E107M016C0100	100	E	20	0.1				400	
74	TR3D157K016C0100	150	D	10	0.1				500	
74	TR3D157K016C0125	150	D	10	0.125				500	
74	TR3D157K016C0150	150	D	10	0.15				500	
74	TR3E227K016C0100	220	E	10	0.1				400	
74	TR3E227K016C0125	220	E	10	0.125				400	
74	TR3E227K016C0150	220	E	10	0.15				400	
74	TR3E227M016C0100	220	E	20	0.1				400	

6.3 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. ± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
74	TR3A106K6R3C1500	10	A	10	1.5				2000	
74	TR3A106M6R3C1500	10	A	20	1.5				2000	
74	TR3A336K6R3C0600	33	A	10	0.6				2000	
74	TR3A476K6R3C0800	47	A	10	0.8				2000	
74	TR3B476K6R3C0250	47	B	10	0.25				2000	
74	TR3B686K6R3C0250	68	B	10	0.25				2000	
74	TR3B686K6R3C0500	68	B	10	0.5				2000	
74	TR3B107K6R3C0400	100	B	10	0.4				2000	
74	TR3B107K6R3C0500	100	B	10	0.5				2000	
74	TR3B107M6R3C1500	100	B	20	1.5				2000	
74	TR3C107K6R3C0150	100	C	10	0.15				500	
74	TR3C107M6R3C0150	100	C	20	0.15				500	
74	TR3D337K6R3C0045	330	D	10	0.045				500	
74	TR3D337K6R3C0100	330	D	10	0.1				500	
74	TR3D337K6R3C0125	330	D	10	0.125				500	
74	TR3D477M6R3C0150	470	D	20	0.15				500	
74	TR3D477M6R3C0200	470	D	20	0.2				500	

10 Volt



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. ± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
74	TR3A475K010C1000	4.7	A	10	1				2000	
74	TR3A106K010C0900	10	A	10	0.9				2000	
74	TR3A106K010C1000	10	A	10	1				2000	
74	TR3A106K010C1800	10	A	10	1.8				2000	
74	TR3A106K010C2000	10	A	10	2				2000	
74	TR3B106K010C0750	10	B	10	0.75				2000	
74	TR3B106K010C0800	10	B	10	0.8				2000	
74	TR3A156K010C1000	15	A	10	1				2000	
74	TR3A226K010C0800	22	A	10	0.8				2000	
74	TR3A226K010C0900	22	A	10	0.9				2000	
74	TR3A226K010C1000	22	A	10	1				2000	
74	TR3B226K010C0400	22	B	10	0.4				2000	
74	TR3B226K010C0500	22	B	10	0.5				2000	
74	TR3B226K010C0700	22	B	10	0.7				2000	
74	TR3B476K010C0500	47	B	10	0.5				2000	
74	TR3B686K010C0600	68	B	10	0.6				2000	
74	TR3B686K010C0750	68	B	10	0.75				2000	
74	TR3B686K010C0900	68	B	10	0.9				2000	
74	TR3B107M010C1400	100	B	20	1.4				2000	
74	TR3C107K010C0100	100	C	10	0.1				500	
74	TR3C107K010C0150	100	C	10	0.15				500	
74	TR3C107K010C0200	100	C	10	0.2				500	
74	TR3C107M010C0100	100	C	20	0.1				500	
74	TR3D107K010C0050	100	D	10	0.05				500	
74	TR3D107K010C0065	100	D	10	0.065				500	
74	TR3D107K010C0080	100	D	10	0.08				500	
74	TR3D107K010C0100	100	D	10	0.1				500	
74	TR3D107M010C0065	100	D	20	0.065				500	
74	TR3D157K010C0050	150	D	10	0.05				500	
74	TR3D157K010C0100	150	D	10	0.1				500	
74	TR3D157K010C0150	150	D	10	0.15				500	
74	TR3D227K010C0050	220	D	10	0.05				500	
74	TR3D227K010C0100	220	D	10	0.1				500	
74	TR3D227K010C0150	220	D	10	0.15				500	
74	TR3D227M010C0100	220	D	20	0.1				500	
74	TR3D337M010C0100	330	D	20	0.1				500	
74	TR3D337M010C0125	330	D	20	0.125				500	
74	TR3D337M010C0150	330	D	20	0.15				500	
74	TR3E337K010C0060	330	E	10	0.06				400	
74	TR3E337M010C0060	330	E	20	0.06				400	
74	TR3W337K010C0100	330	W	10	0.1				500	
74	TR3W337M010C0100	330	W	20	0.1				500	
74	TR3E477K010C0100	470	E	10	0.1				400	
74	TR3E477M010C0100	470	E	20	0.1				400	
74	TR3E477M010C0150	470	E	20	0.15				400	

20 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. ± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
74	TR3A105K020C3000	1	A	10	3				2000	
74	TR3A105K020C5500	1	A	10	5.5				2000	
74	TR3A225K020C4000	2.2	A	10	4				2000	
74	TR3A335K020C4000									

VISHAY/SPRAGUE Solid Tantalum Chip Capacitors



TR3 SERIES: TANTAMOUNT® MOLDED CASE, LOW ESR (CONT.)

RoHS Compliant This product is RoHS compliant.

Features:

- Operating temperature: -55°C to +85°C (to +125°C with voltage derating)
- Compatible with "High Volume" automatic pick and place equipment
- High ripple current carrying capability
- Meets IEC Specification QC300801/US0001 and EIA 535BAAE
- Low ESR



Vishay Tantalum Caps, SMD

20 Volt (Cont.)

NEW PRODUCT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. ± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
74	—TR3D476K020C0150	47	D	10	0.15				500	
74	—TR3D476K020C0175	47	D	10	0.175				500	
74	—TR3E476K020C0150	47	E	10	0.15				400	
74	—TR3E476M020C0150	47	E	20	0.15				400	
74	—TR3D686K020C0115	68	D	10	0.115				500	
74	—TR3D686K020C0150	68	D	10	0.15				500	
74	—TR3E686K020C0150	68	E	10	0.15				400	
74	—TR3E107K020C0100	100	E	10	0.1				400	
74	—TR3E107K020C0150	100	E	10	0.15				400	
74	—TR3W107K020C0060	100	W	10	0.06				500	
74	—TR3W107M020C0080	100	W	20	0.8				500	
74	—TR3W107K020C0100	100	W	10	0.1				500	
74	—TR3W107K020C0200	100	W	10	0.2				500	
74	—TR3W157K020C0080	150	W	10	0.08				500	
74	—TR3W157K020C0100	150	W	10	0.1				500	
74	—TR3W157K020C0150	150	W	10	0.15				500	
74	—TR3W157K020C0200	150	W	10	0.2				500	

35 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. ± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
74	—TR3A474K035C4000	0.47	A	10	4				2000	
74	—TR3A684K035C4000	0.68	A	10	4				2000	
74	—TR3A105K035C3000	1	A	10	3				2000	
74	—TR3A105K035C4000	1	A	10	4				2000	
74	—TR3B105K035C2000	1	B	10	2				2000	
74	—TR3B105K035C2000	1.5	B	10	2				2000	
74	—TR3C155K035C0900	1.5	C	10	0.9				500	
74	—TR3B225K035C2000	2.2	B	10	2				2000	
74	—TR3B225K035C2500	2.2	B	10	2.5				2000	
74	—TR3C225K035C0900	2.2	C	10	0.9				500	
74	—TR3C335K035C0600	3.3	C	10	0.6				500	
74	—TR3C335K035C0700	3.3	C	10	0.7				500	
74	—TR3C475K035C0500	4.7	C	10	0.5				500	
74	—TR3C685K035C0475	6.8	C	10	0.475				500	
74	—TR3D685K035C0300	6.8	D	10	0.3				500	
74	—TR3C106K035C0450	10	C	10	0.45				500	
74	—TR3D106K035C0125	10	D	10	0.125				500	
74	—TR3D106K035C0135	10	D	10	0.135				500	
74	—TR3D106K035C0250	10	D	10	0.25				500	
74	—TR3D106K035C0260	10	D	10	0.26				500	
74	—TR3D106K035C0300	10	D	10	0.3				500	
74	—TR3D106K035C0400	10	D	10	0.4				500	
74	—TR3D106M035C0250	10	D	20	0.25				500	
74	—TR3D106M035C0300	10	D	20	0.3				500	
74	—TR3E106K035C0200	10	E	10	0.2				400	
74	—TR3D156K035C0150	15	D	10	0.15				500	
74	—TR3D156K035C0225	15	D	10	0.225				500	
74	—TR3D156K035C0300	15	D	10	0.3				500	
74	—TR3E156K035C0150	15	E	10	0.15				400	
74	—TR3E156K035C0200	15	E	10	0.2				400	
74	—TR3D226K035C0200	22	D	10	0.2				500	
74	—TR3D226K035C0250	22	D	10	0.25				500	
74	—TR3D226K035C0275	22	D	10	0.275				500	
74	—TR3D226K035C0300	22	D	10	0.3				500	
74	—TR3E226K035C0200	22	E	10	0.2				400	
74	—TR3E226K035C0275	22	E	10	0.275				400	
74	—TR3E226K035C0300	22	E	10	0.3				400	

25 Volt

NEW PRODUCT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. ± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
74	—TR3A105K025C4000	1	A	10	4				2000	
74	—TR3A155K025C4000	1.5	A	10	4				2000	
74	—TR3A225K025C4000	2.2	A	10	4				2000	
74	—TR3B225K025C1500	2.2	B	10	1.5				2000	
74	—TR3A335K025C3000	3.3	A	10	3				2000	
74	—TR3A335K025C3500	3.3	A	10	3.5				2000	
74	—TR3B335K025C1500	3.3	B	10	1.5				2000	
74	—TR3A475K025C3000	4.7	A	10	3				2000	
74	—TR3B475K025C0700	4.7	B	10	0.7				2000	
74	—TR3B475K025C1000	4.7	B	10	1				2000	
74	—TR3B475K025C1500	4.7	B	10	1.5				2000	
74	—TR3C475K025C0525	4.7	C	10	0.525				500	
74	—TR3B685K025C0400	6.8	B	10	0.4				2000	
74	—TR3B685K025C0500	6.8	B	10	0.5				2000	
74	—TR3B685K025C0700	6.8	B	10	0.7				2000	
74	—TR3C685K025C0500	6.8	C	10	0.5				500	
74	—TR3B106K025C0450	10	B	10	0.45				2000	
74	—TR3B106K025C1100	10	B	10	1.1				2000	
74	—TR3B106K025C1300	10	B	10	1.3				2000	
74	—TR3C106K025C0300	10	C	10	0.3				500	
74	—TR3C106K025C0450	10	C	10	0.45				500	
74	—TR3C106K025C0500	10	C	10	0.5				500	
74	—TR3C106K025C0600	10	C	10	0.6				500	
74	—TR3D106K025C0400	10	D	10	0.4				500	
74	—TR3C156K025C0425	15	C	10	0.425				500	
74	—TR3D156K025C0200	15	D	10	0.2				500	
74	—TR3C226K025C0250	22	C	10	0.25				500	
74	—TR3C226K025C0275	22	C	10	0.275				500	
74	—TR3C226K025C0300	22	C	10	0.3				500	
74	—TR3C226K025C0400	22	C	10	0.4				500	
74	—TR3C226K025C0425	22	C	10	0.425				500	
74	—TR3D226K025C0200	22	D	10	0.2				500	
74	—TR3E226K025C0200	22	E	10	0.2				400	
74	—TR3E226K025C0300	22	E	10	0.3				400	
74	—TR3V226K025C0250	22	V	10	0.25				1000	
74	—TR3V226K025C0400	22	V	10	0.4				1000	
74	—TR3V226K025C0500	22	V	10	0.5				1000	
74	—TR3D336K025C0200	33	D	10	0.2				500	
74	—TR3D336K025D0200	33	D	10	0.2				2500	
74	—TR3E336K025C0175	33	E	10	0.175				400	
74	—TR3E336K025C0200	33	E	10	0.2				400	
74	—TR3D476K025C0100	47	D	10	0.1				500	
74	—TR3D476K025C0150	47	D	10	0.15				500	
74	—TR3D476K025C0250	47	D	10	0.25				500	
74	—TR3E476K025C0150	47	E	10	0.15				400	
74	—TR3E476K025C0200	47	E	10	0.2				400	
74	—TR3W107K025C0100	100	W	10	0.1				500	
74	—TR3W107K025C0150	100	W	10	0.15				500	
74	—TR3W107K025C0200	100	W	10	0.2				500	

50 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Code	Tol. ± %	ESR (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	10	100		
74	—TR3B105K050C2000	1	B	10	2				2000	
74	—TR3C105K050C1600	1	C	10	1.6				500	
74	—TR3B155K050C2000	1.5	B	10	2				2000	
74	—TR3C155K050C1500	1.5	C	10	1.5				500	
74	—TR3B225K050C2000	2.2	B	10	2				2000	
74	—TR3C225K050C1500	2.2	C	10	1.5				500	
74	—TR3D225K050C0800	2.2	D	10	0.8				500	
74	—TR3C335K050C1500	3.3	C	10	1.5				500	
74	—TR3D335K050C0800	3.3	D	10	0.8				500	
74	—TR3C475K050C0500	4.7	C	10	0.5				500	
74	—TR3C475K050C0700	4.7	C	10	0.7				500	
74	—TR3C475K050C1000	4.7	C	10	1				500	
74	—TR3D475K050C0300	4.7	D	10	0.3				500	
74	—TR3D475K050C0600	4.7	D	10	0.6				500	
74	—TR3E475K050C0300	4.7	E	10	0.3				400	
74	—TR3D685K050C0500	6.8	D	10	0.5				500	
74	—TR3D685K050C0600	6.8	D	10	0.6				500	
74	—TR3E685K050C0500	6.8	E	10	0.5				400	
74	—TR3D106K050C0450	10	D	10	0.45				500	
74	—TR3D106K050C0550	10	D	10	0.55				500	
74	—TR3E106K050C0300	10	E	10	0.3				400	
74	—TR3E106K050C0400	10	E	10	0.4				400	</

VISHAY/SPRAGUE Solid Tantalum Chip Capacitors



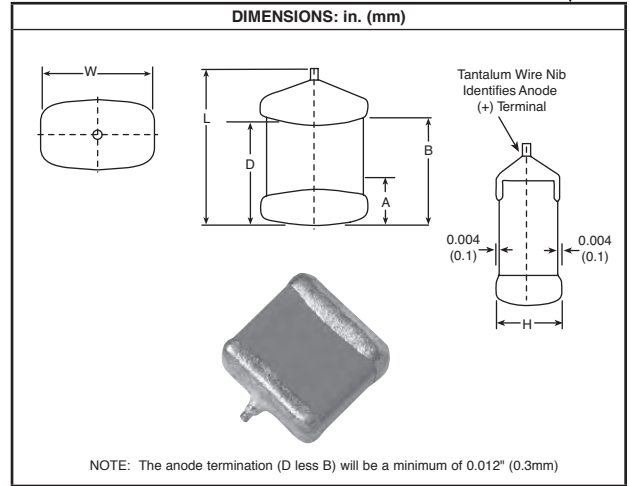
RoHS Compliant This product is RoHS compliant.

591D SERIES: TANTAMOUNT® LOW PROFILE, LOW ESR, CONFORMAL COATED, MAXIMUM CV

Features:

- Operating temperature: -55°C to +85°C (To +125°C with voltage derating)
- Capacitance tolerance: ±10%, ±20% standard
- New case size offerings
- 1.2mm to 2mm height
- Very Low ESR
- Footprint compatible 30801 molded chips wireless applications

Code	Suffix	Dimensions: in. (mm)					
		H	L (Max.)	W	A	B	D (Ref.)
A	15H	0.047±0.012 (1.2±0.3)	0.146 (3.7)	0.072±0.012 (1.8±0.3)	0.031±0.012 (0.80±0.30)	0.087±0.016 (2.2±0.4)	0.115 (2.9)
B	15H	0.047±0.012 (1.2±0.3)	0.158 (4.0)	0.110±0.012 (2.8±0.3)	0.031±0.012 (0.80±0.30)	0.097±0.016 (2.5±0.4)	0.139 (3.5)
C	15H	0.047±0.012 (1.2±0.3)	0.281 (7.1)	0.126±0.012 (3.2±0.3)	0.051±0.012 (1.3±0.30)	0.180±0.024 (4.4±0.6)	0.238 (6.0)
	20H	0.079 (2.0) max.					
D	15H	0.047±0.012 (1.2±0.3) max.	0.298 (7.5)	0.170±0.012 (4.3±0.3)	0.051±0.012 (1.3±0.30)	0.180±0.024 (4.6±0.6)	0.254 (6.4)
	20H	0.079 (2.0) max.					
R	15H	0.047±0.012 (1.2±0.3) max.	0.285 (7.2)	0.235±0.012 (6.0±0.3)	0.051±0.012 (1.3±0.30)	0.180±0.024 (4.6±0.6)	0.246 (6.2)
	20H	0.079 (2.0) max.					



- Operating temperature: -55°C to 85°C (125°C with voltage derating)

For quantities greater than listed, call for quote.

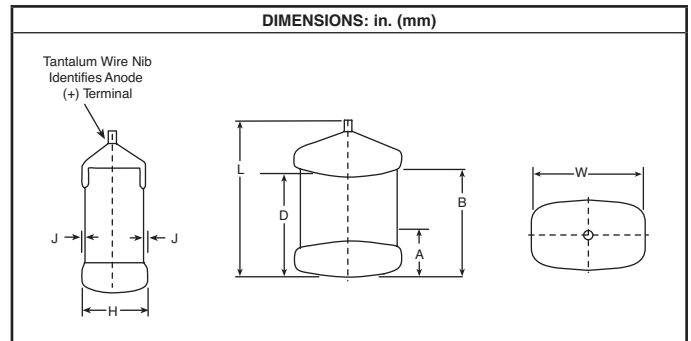
MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Code	Volts	Max. ESR @ ±25°C 100kHz (Ω)	Price Each				Reel Qty.	Price Per Piece
						1	10	100	500		
71-591D226X9004A2T15	591D226X9004A2T15H	22	A	4	1.200					2500	
71-591D476X9004B2T15	591D476X9004B2T15H	47	B	4	0.600					2000	
71-591D686X9004C2T15	591D686X9004C2T15H	68	C	4	0.180					1000	
71-591D107X9004D2T15	591D107X9004D2T15H	100	D	4	0.130					1000	
71-591D157X9004C2T15H	591D157X9004C2T15H	150	C	4	0.150					1000	
71-591D227X9004D2T15	591D227X9004D2T15H	220	D	4	0.100					1000	
71-591D337X9004C2T20	591D337X9004C2T20H	330	C	4	0.070					1000	
71-591D477X9004C2T20	591D477X9004C2T20H	470	C	4	0.070					1000	
71-591D477X9004D2T20	591D477X9004D2T20H	470	D	4	0.060					1000	
71-591D687X9004D2T20	591D687X9004D2T20H	680	D	4	0.085					1000	
71-591D108X9004R2T20	591D108X9004R2T20H	1000	R	4	0.050					1000	
71-591D156X96R3A2T15	591D156X96R3A2T15H	15	A	6.3	1.300					2500	
71-591D476X96R3C2T15	591D476X96R3C2T15H	47	C	6.3	0.200					1000	
71-591D107X96R3B2T15	591D107X96R3B2T15H	100	B	6.3	0.500					2000	
71-591D107X96R3C2T15	591D107X96R3C2T15H	100	C	6.3	0.190					1000	
71-591D107X96R3D2T15	591D107X96R3D2T15H	100	D	6.3	0.150					1000	
71-591D227X96R3C2T20	591D227X96R3C2T20H	220	C	6.3	0.075					1000	
71-591D227X96R3R2T15	591D227X96R3R2T15H	220	R	6.3	0.150					1000	
71-591D337X96R3D2T20	591D337X96R3D2T20H	330	D	6.3	0.060					1000	
71-591D106X9010A2T15	591D106X9010A2T15H	10	A	10	1.300					2500	
71-591D226X9010B2T15	591D226X9010B2T15H	22	B	10	0.800					2000	
71-591D476X9010D2T15	591D476X9010D2T15H	47	D	10	0.140					1000	
71-591D686X9010D2T15	591D686X9010D2T15H	68	D	10	0.130					1000	
71-591D475X9016A2T15	591D475X9016A2T15H	4.7	A	16	1.750					2500	
71-591D685X9016A2T15	591D685X9016A2T15H	6.8	A	16	1.750					2500	
71-591D106X9016B2T15	591D106X9016B2T15H	10	B	16	0.800					2000	
71-591D226X9016C2T15	591D226X9016C2T15H	22	C	16	0.240					1000	
71-591D336X9016D2T15	591D336X9016D2T15H	33	D	16	0.170					1000	
71-591D476X9016R2T15	591D476X9016R2T15H	47	R	16	0.130					1000	
71-591D475X9020A2T15	591D475X9020A2T15H	4.7	A	20	1.900					2500	
71-591D156X9020C2T15	591D156X9020C2T15H	15	C	20	0.300					1000	
71-591D106X9025D2T15	591D106X9025D2T15H	10	D	25	0.600					1000	
71-591D105X9035A2T15	591D105X9035A2T15H	1.0	A	35	5.000					2500	
71-591D106X9035R2T15	591D106X9035R2T15H	10	R	35	0.600					1000	

VISHAY SPRAGUE 195D SERIES: TANTAMOUNT® CONFORMAL COATED

Features:

- Qualified CECC, 30801/006/008 - CTC2
- 10% Tolerance stocked, 20% tolerance available
- Operating Temperature: -55°C to +85°C

Case Code	EIA Size	Dimensions: in. (mm)						
		L (Max.)	W	H	A	B	D (Ref.)	J (Max.)
S	3518	0.143 (3.63)	0.072±0.008 (1.83±0.20)	0.048±0.008 (1.22±0.20)	0.023±0.010 (0.58±0.25)	0.085±0.015 (2.16±0.37)	0.115 (2.90)	0.004 (0.10)
X	7227	0.285 (7.24)	0.104±0.010 (2.65±0.25)	0.051±0.010 (1.30±0.25)	0.040±0.020 (1.00±0.50)	0.200±0.027 (5.08±0.69)	0.243 (6.20)	0.004 (0.10)
Y	7227	0.285 (7.24)	0.104±0.010 (2.65±0.25)	0.069±0.010 (1.75±0.25)	0.040±0.020 (1.00±0.50)	0.200±0.027 (5.08±0.69)	0.243 (6.20)	0.004 (0.10)
Z	7227	0.285 (7.24)	0.104±0.010 (2.65±0.25)	0.104±0.010 (2.65±0.25)	0.040±0.020 (1.00±0.50)	0.200±0.023 (5.08±0.59)	0.243 (6.20)	0.004 (0.10)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Code	Volts	Max. DCL @ +25°C (µA)	Max. DF @ +25°C (%)	Price Each				Reel Quantity	Price Per Piece
							1	10	100	500		
75-195D226X9010Y2T	195D226X9010Y2T	22	Y	10	2.2	6					1500	
75-195D106X9016X2T	195D106X9016X2T	10	X	16	1.5	6					2000	
74-195D225X9020S2T	195D225X9020S2T	2.2	S	20	0.5	6					2500	
75-195D105X9035S2T	195D105X9035S2T	1	S	35	0.5	4					2500	
74-195D225X0035X2T	195D225X0035X2T	2.2	X	35	0.8	6					2000	
74-195D50V4.7	195D475X9050Z2T	4.7	Z	50	2.4	6					1500	

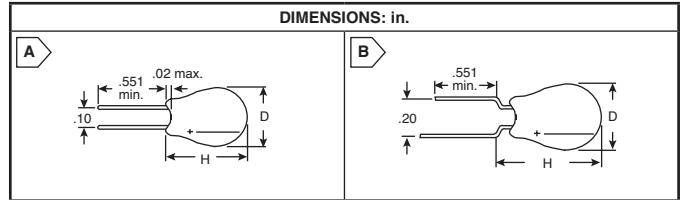
AVX Tantalum Capacitors



TAP SERIES EPOXY DIPPED RADIAL TANTALUM CAPACITORS

TAP is a professional grade device manufactured with a flame retardant coating and featuring low "leakage current and impedance, very small physical sizes and exceptional temperature stability." It is designed and conditioned to operate to +125°C. Available in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information. Voltages listed are at 85°C. Derate voltage 33% at 125°C.

TAP types are all offered on radial tape, in reel format for use on high speed radial automatic insertion equipment, or performing machines. The tape format is compatible with EIA 468A standard for component taping set out by major manufacturers of radial automatic insertion equipment.



AVX Tantalum Caps, Leaded

MOUSER STOCK NO.		Value (µF)	Fig.	DIMENSIONS: in.			Tol. ±	Bulk Price Each				MOUSER STOCK NO.		Reel Quantity	Price Per Piece
Mfr.	Mfr. Part No.			D	H	LS		1	100	500	1000	Mfr.	Mfr. Part No.		
6.3 Volt (8V Surge)															
581	TAP685K006SCS	6.8	A	0.18	0.28	0.1	10%					581	TAP685K006SRW	1500	
581	TAP106K006SCS	10	A	0.18	0.3	0.1	10%					581	TAP106K006SRW	1250	
581	TAP226K006SCS	22	A	0.26	0.35	0.1	10%					581	TAP226K006SRW	1250	
581	TAP336K006SCS	33	A	0.22	0.35	0.1	10%					581	TAP336K006SRW	1000	
581	TAP476K006SCS	47	A	0.24	0.39	0.1	10%					581	TAP476K006SRW	1000	
581	TAP686K006SCS	68	A	0.26	0.39	0.1	10%					581	TAP686K006SRW	750	
581	TAP107K006SCS	100	A	0.28	0.41	0.1	10%					581	TAP107K006SRW	750	
581	TAP157K006CCS	150	B	0.33	0.49	0.2	10%					581	TAP157K006CRW	1500	
10 Volt (13V Surge)															
581	TAP335K010SCS	3.3	A	0.18	0.28	0.1	10%					581	TAP335K010SRW	1500	
581	TAP475K010SCS	4.7	A	0.18	0.28	0.1	10%					581	TAP475K010SRW	1500	
581	TAP685K010SCS	6.8	A	0.18	0.30	0.1	10%					581	TAP685K010SRW	1250	
581	TAP106K010SCS	10	A	0.2	0.33	0.1	10%					581	TAP106K010SRW	1250	
581	TAP156K010SCS	15	A	0.2	0.35	0.1	10%					581	TAP156K010SRW	1250	
581	TAP226K010SCS	22	A	0.22	0.35	0.1	10%					581	TAP226K010SRW	1000	
581	TAP336K010SCS	33	A	0.24	0.39	0.1	10%					581	TAP336K010SRW	1000	
581	TAP476K010SCS	47	A	0.26	0.39	0.1	10%					581	TAP476K010SRW	750	
581	TAP686K010SCS	68	A	0.28	0.41	0.1	10%					581	TAP686K010SRW	750	
581	TAP107K010CCS	100	B	0.33	0.49	0.2	10%					581	TAP107K010CRW	500	
581	TAP157K010CCS	150	B	0.35	0.63	0.2	10%					581	TAP157K010CRW	500	
581	TAP227K010CCS	220	B	0.39	0.67	0.2	10%					----		-	-
16 Volt (20V Surge)															
581	TAP225K016SCS	2.2	A	0.18	0.28	0.1	10%					581	TAP225K016SRW	1500	
581	TAP335K016SCS	3.3	A	0.18	0.28	0.1	10%					581	TAP335K016SRW	1500	
581	TAP475K016SCS	4.7	A	0.18	0.3	0.1	10%					581	TAP475K016SRW	1250	
581	TAP685K016SCS	6.8	A	0.2	0.33	0.1	10%					581	TAP685K016SRW	1250	
581	TAP106K016SCS	10	A	0.2	0.35	0.1	10%					581	TAP106K016SRW	1250	
581	TAP156K016SCS	15	A	0.22	0.35	0.1	10%					581	TAP156K016SRW	1000	
581	TAP226K016SCS	22	A	0.24	0.39	0.1	10%					581	TAP226K016SRW	1000	
581	TAP336K016SCS	33	A	0.24	0.39	0.1	10%					581	TAP336K016SRW	1000	
581	TAP476K016SCS	47	A	0.31	0.45	0.1	10%					581	TAP476K016SRW	750	
581	TAP686K016SCS	68	A	0.35	0.49	0.1	10%					----		-	-
581	TAP107K016CCS	100	B	0.35	0.63	0.2	10%					----		-	-
20 Volt (25V Surge)															
581	TAP225K020SCS	2.2	A	0.18	0.28	0.1	10%					581	TAP225K020SRW	1500	
581	TAP106K020SCS	10	A	0.22	0.35	0.1	10%					581	TAP106K020SRW	1000	
581	TAP156K020SCS	15	A	0.24	0.39	0.1	10%					581	TAP156K020SRW	1000	
581	TAP226K020SCS	22	A	0.28	0.41	0.1	10%					581	TAP226K020SRW	1500	
581	TAP336K020SCS	33	A	0.31	0.45	0.1	10%					581	TAP336K020SRW	1500	
581	TAP476K020CCS	47	B	0.33	0.55	0.2	10%					581	TAP476K020CRW	500	
581	TAP686K020CCS	68	B	0.35	0.63	0.2	10%					----		-	-
581	TAP107K020CCS	100	B	0.35	0.63	0.2	10%					581	TAP107K020CRW	500	
25 Volt (32V Surge)															
581	TAP105K025SCS	1.0	A	0.18	0.28	0.1	10%					581	TAP105K025SRW	1500	
581	TAP155K025SCS	1.5	A	0.18	0.28	0.1	10%					581	TAP155K025SRW	1500	
581	TAP225K025SCS	2.2	A	0.18	0.28	0.1	10%					581	TAP225K025SRW	1500	
581	TAP335K025SCS	3.3	A	0.18	0.3	0.1	10%					581	TAP335K025SRW	1250	
581	TAP475K025SCS	4.7	A	0.2	0.33	0.1	10%					581	TAP475K025SRW	1250	
581	TAP685K025SCS	6.8	A	0.2	0.35	0.1	10%					581	TAP685K025SRW	1250	
581	TAP106K025SCS	10	A	0.22	0.35	0.1	10%					581	TAP106K025SRW	1000	
581	TAP156K025SCS	15	A	0.24	0.39	0.1	10%					581	TAP156K025SRW	1000	
581	TAP226K025SCS	22	A	0.28	0.41	0.1	10%					581	TAP226K025SRW	750	
581	TAP336K025SCS	33	A	0.31	0.45	0.1	10%					----		-	-
581	TAP476K025CCS	47	B	0.35	0.57	0.2	10%					581	TAP476K025CRW	500	
35 Volt (44V Surge)															
581	TAP104K035SCS	0.1	A	0.18	0.28	0.1	10%					581	TAP104K035SRW	1500	
581	TAP154K035SCS	0.15	A	0.18	0.28	0.1	10%					581	TAP154K035SRW	1500	
581	TAP224K035SCS	0.22	A	0.18	0.28	0.1	10%					581	TAP224K035SRW	1500	
581	TAP334K035SCS	0.33	A	0.18	0.28	0.1	10%					581	TAP334K035SRW	1500	
581	TAP474K035SCS	0.47	A	0.18	0.28	0.1	10%					581	TAP474K035SRW	1500	
581	TAP684K035SCS	0.68	A	0.18	0.28	0.1	10%					581	TAP684K035SRW	1500	
581	TAP105K035SCS	1.0	A	0.18	0.28	0.1	10%					581	TAP105K035SRW	1500	
581	TAP155K035SCS	1.5	A	0.18	0.28	0.1	10%					581	TAP155K035SRW	1500	
581	TAP225K035SCS	2.2	A	0.18	0.3	0.1	10%					581	TAP225K035SRW	1250	
581	TAP335K035SCS	3.3	A	0.2	0.33	0.1	10%					581	TAP335K035SRW	1250	
581	TAP475K035SCS	4.7	A	0.22	0.35	0.1	10%					581	TAP475K035SRW	1000	
581	TAP685K035SCS	6.8	A	0.24	0.39	0.1	10%					581	TAP685K035SRW	1000	
581	TAP106K035SCS	10	A	0.24	0.39	0.1	10%					581	TAP106K035SRW	1000	
581	TAP156K035SCS	15	A	0.28	0.41	0.1	10%					581	TAP156K035SRW	750	
581	TAP226K035SCS	22	A	0.33	0.49	0.1	10%					581	TAP226K035SRW	500	
581	TAP336K035CCS	33	B	0.35	0.57	0.2	10%					581	TAP336K035CRW	500	
581	TAP476K035CCS	47	B	0.35	0.63	0.2	10%					----		-	-
50 Volt (63V Surge)															
581	TAP104K050SCS	0.1	A	0.18	0.28	0.1	10%					581	TAP104K050SRW	1500	
581	TAP224K050SCS	0.22	A	0.18	0.28	0.1	10%					581	TAP224K050SRW	1500	
581	TAP334K050SCS	0.33	A	0.18	0.28	0.1	10%					581	TAP334K050SRW	1500	
581	TAP474K050SCS	0.47	A	0.18	0.28	0.1	10%					581	TAP474K050SRW	1500	
581	TAP684K050SCS	0.68	A	0.18	0.3	0.1	10%					----		-	-
581	TAP105K050SCS	1.0	A	0.2	0.33	0.1	10%					581	TAP105K050SRW	1250	
581	TAP225K050SCS	2.2	A	0.22	0.35	0.1	10%					581	TAP225K050SRW	1000	
581	TAP335K050SCS	3.3	A	0.24	0.39	0.1	10%					----		-	-
581	TAP475K050SCS	4.7	A	0.26	0.39	0.1	10%					581	TAP475K050SRW	750	

KEMET Tantalum Capacitors



"ULTRA DIP II" TANTALUM CAPACITORS, 10% TOLERANCE

The KEMET "Ultra Dip II" Series, miniature dipped solid tantalum capacitors, provide the designer with the advantage of compactness plus low leakage and low DF performance characteristics for filtering, bypassing, coupling, blocking and RC timing circuits. The plastic case provides a tough barrier coating and maintains precision of lead wire spacing within ± 0.015 inch. The gold color epoxy utilized permits laser marking with outstanding permanency and legibility. All case sizes are printed with capacitance, voltage, polarity, and vendor identification. Solid tantalum devices exhibit no degradation failure mode during shelf storage and show a constantly decreasing failure rate (i.e., absence of wearout mechanism) during life tests. The "UltraDip II" Series provides self-insulation cases which are resistant to shock and vibration. These capacitors exhibit low DCL, ESR and Impedance and have excellent temperature stability. Voltages listed are at 85°C. Derate voltage 33% at 125°C.

Available in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information.



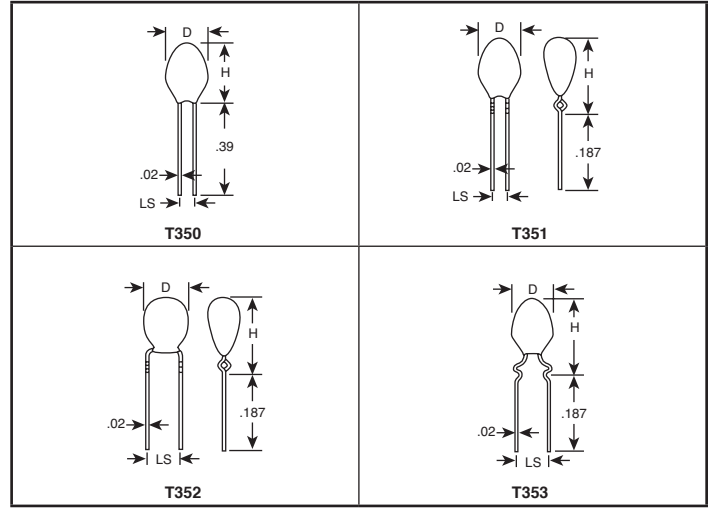
RoHS Compliant

DIMENSIONS: in.

T350, Straight Lead

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
6.3 Volt								
80-T350E336K006AT	T350E336K006AT	33	.216	.350	.100			
80-T350F476K006AT	T350F476K006AT	47	.236	.390	.100			
80-T350G686K006AT	T350G686K006AT	68	.250	.400	.100			
80-T350H107K006AT	T350H107K006AT	100	.300	.400	.100			
80-T350L337K006AT	T350L337K006AT	330	.350	.630	.200			
10 Volt								
80-T350A475K010AT	T350A475K010AT	4.7	.175	.280	.100			
80-T350B685K010AT	T350B685K010AT	6.8	.175	.300	.100			
80-T350C106K010AT	T350C106K010AT	10	.196	.330	.100			
80-T350E226K010AT	T350E226K010AT	22	.216	.350	.100			
80-T350F336K010AT	T350F336K010AT	33	.236	.390	.100			
80-T350H476K010AT	T350H476K010AT	47	.300	.400	.100			
80-T350H686K010AT	T350H686K010AT	68	.300	.400	.100			
80-T350J107K010AT	T350J107K010AT	100	.330	.500	.200			
80-T350L227K010AT	T350L227K010AT	220	.350	.630	.200			
16 Volt								
80-T350A155K016AT	T350A155K016AT	1.5	.175	.280	.100			
80-T350A225K016AT	T350A225K016AT	2.2	.175	.280	.100			
80-T350A335K016AT	T350A335K016AT	3.3	.175	.280	.100			
80-T350B475K016AT	T350B475K016AT	4.7	.175	.300	.100			
80-T350E106K016AT	T350E106K016AT	10	.216	.350	.100			
80-T350E156K016AT	T350E156K016AT	15	.216	.350	.100			
80-T350F226K016AT	T350F226K016AT	22	.236	.390	.100			
80-T350H336K016AT	T350H336K016AT	33	.300	.400	.100			
80-T350J476K016AT	T350J476K016AT	47	.330	.500	.200			
80-T350K686K016AT	T350K686K016AT	68	.350	.530	.200			
80-T350L107K016AT	T350L107K016AT	100	.350	.630	.200			
80-T350M157K016AT	T350M157K016AT	150	.400	.670	.200			
20 Volt								
80-T350C475K020AT	T350C475K020AT	4.7	.196	.330	.100			
80-T350E106K020AT	T350E106K020AT	10	.216	.350	.100			
80-T350F156K020AT	T350F156K020AT	15	.236	.390	.100			
80-T350G226K020AT	T350G226K020AT	22	.250	.400	.100			
80-T350K476K020AT	T350K476K020AT	47	.350	.530	.200			
80-T350L686K020AT	T350L686K020AT	68	.350	.630	.200			
80-T350M107K020AT	T350M107K020AT	100	.400	.670	.200			
25 Volt								
80-T350A105K025AT	T350A105K025AT	1.0	.175	.280	.100			
80-T350B225K025AT	T350B225K025AT	2.2	.175	.300	.100			
80-T350B335K025AT	T350B335K025AT	3.3	.175	.300	.100			
80-T350C475K025AT	T350C475K025AT	4.7	.196	.330	.100			
80-T350E106K025AT	T350E106K025AT	10	.216	.350	.100			
80-T350H226K025AT	T350H226K025AT	22	.300	.400	.100			
80-T350J336K025AT	T350J336K025AT	33	.330	.500	.200			
80-T350K476K025AT	T350K476K025AT	47	.350	.530	.200			
80-T350L686K025AT	T350L686K025AT	68	.350	.630	.200			
35 Volt								
80-T350A104K035AT	T350A104K035AT	0.1	.175	.280	.100			
80-T350A224K035AT	T350A224K035AT	0.22	.175	.280	.100			
80-T350A334K035AT	T350A334K035AT	0.33	.175	.280	.100			
80-T350A474K035AT	T350A474K035AT	0.47	.175	.280	.100			
80-T350A684K035AT	T350A684K035AT	0.68	.175	.280	.100			
80-T350A105K035AT	T350A105K035AT	1.0	.175	.280	.100			
80-T350B155K035AT	T350B155K035AT	1.5	.175	.300	.100			
80-T350C225K035AT	T350C225K035AT	2.2	.196	.330	.100			
80-T350D335K035AT	T350D335K035AT	3.3	.196	.340	.100			
80-T350E475K035AT	T350E475K035AT	4.7	.216	.350	.100			
80-T350F685K035AT	T350F685K035AT	6.8	.258	.390	.100			
80-T350G106K035AT	T350G106K035AT	10	.250	.400	.100			
80-T350J156K035AT	T350J156K035AT	15	.330	.500	.200			
80-T350K226K035AT	T350K226K035AT	22	.350	.530	.200			
80-T350L336K035AT	T350L336K035AT	33	.350	.630	.200			
80-T350M476K035AT	T350M476K035AT	47	.400	.670	.200			
50 Volt								
80-T350A104K050AT	T350A104K050AT	0.1	.175	.280	.100			
80-T350B105K050AT	T350B105K050AT	1.0	.175	.300	.100			
80-T350E225K050AT	T350E225K050AT	2.2	.216	.350	.100			
80-T350F335K050AT	T350F335K050AT	3.3	.236	.390	.100			
80-T350G475K050AT	T350G475K050AT	4.7	.250	.400	.100			
80-T350K106K050AT	T350K106K050AT	10	.350	.530	.200			
80-T350M226K050AT	T350M226K050AT	22	.400	.670	.200			



D = max. diameter, H = max. height, LS = lead spacing

T351, Formed Leads

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
10 Volt								
80-T351A475K10AT	T351A475K010AT	4.7	.175	.380	.100			
16 Volt								
80-T351A225K16AT	T351A225K016AT	2.2	.175	.380	.100			
80-T351B475K16AT	T351B475K016AT	4.7	.175	.390	.100			
80-T351F226K016AT	T351F226K016AT	22	.236	.480	.100			
25 Volt								
80-T351B225K25AT	T351B225K025AT	2.2	.175	.390	.100			
80-T351E106K025AT	T351E106K025AT	10	.216	.440	.100			
35 Volt								
80-T351A474K035AT	T351A474K035AT	0.47	.175	.380	.100			
80-T351A105K035AT	T351A105K035AT	1.0	.175	.380	.100			
80-T351C225K035AT	T351C225K035AT	2.2	.196	.420	.100			
80-T351G106K035AT	T351G106K035AT	10	.250	.500	.100			

T352, Formed Leads

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
16 Volt								
80-T352F226K016AT	T352F226K016AT	22	.236	.500	.200			
25 Volt								
80-T352E106K025AT	T352E106K025AT	10	.216	.460	.200			
35 Volt								
80-T352A105K035AT	T352A105K035AT	1.0	.175	.400	.200			
80-T352F685K035AT	T352F685K035AT	6.8	.236	.500	.200			
80-T352G106K035AT	T352G106K035AT	10	.250	.510	.200			

T353, Formed Leads

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
20 Volt								
80-T353M107K020AT	T353M107K020AT	100	.400	.760	.200			
25 Volt								
80-T353E106K025AT	T353E106K025AT	10	.216	.460	.200			
80-T353H226K025AT	T353H226K025AT	22	.300	.520	.200			
35 Volt								
80-T353A105K035AT	T353A105K035AT	1.0	.175	.400	.200			
80-T353G106K035AT	T353G106K035AT	10	.250	.510	.200			
80-T353K226K035AT	T353K226K035AT	22	.350	.630	.200			
80-T353M476K035AT	T353M476K035AT	47	.400	.760	.200			
50 Volt								
80-T353K106K050AT	T353K106K050AT	10	.350	.630	.200			

KEMET Tantalum Capacitors



"ULTRA DIP II" TANTALUM CAPACITORS, 10% TOLERANCE

RoHS Compliant This product is RoHS compliant.

The KEMET "Ultra Dip II" Series, miniature dipped solid tantalum capacitors, provide the designer with the advantage of compactness plus low leakage and low DF performance characteristics for filtering, bypassing, coupling, blocking and RC timing circuits. The plastic case provides a tough barrier coating and maintains precision of lead wire spacing within ±0.015 inch. The gold color epoxy utilized permits laser marking with outstanding permanency and legibility. All case sizes are printed with capacitance, voltage, polarity, and vendor identification. Solid tantalum devices exhibit no degradation failure mode during shelf storage and show a constantly decreasing failure rate (i.e., absence of wearout mechanism) during life tests. The "Ultra Dip II" Series provides self-insulation cases which are resistant to shock and vibration. These capacitors exhibit low DCL, ESR and Impedance and have excellent temperature stability. Voltage rated at 85°C. Derate voltage 33% at 125°C.

Available in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information.

T354, Formed Leads

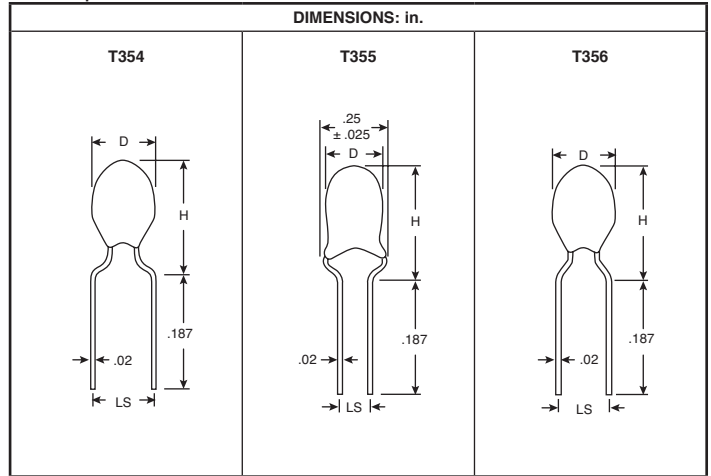
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
6.3 Volt								
80-T354F476K006AT	T354F476K006AT	47	.236	.440	.250			
80-T354L337K006AT	T354L337K006AT	330	.350	.710	.250			
10 Volt								
80-T354H476K010AT	T354H476K010AT	47	.300	.470	.250			
80-T354J107K010AT	T354J107K010AT	100	.330	.550	.250			
80-T354L227K010AT	T354L227K010AT	220	.350	.710	.250			
16 Volt								
80-T354E106K016AT	T354E106K016AT	10	.216	.400	.250			
80-T354F226K016AT	T354F226K016AT	22	.236	.440	.250			
80-T354K686K016AT	T354K686K016AT	68	.350	.610	.250			
80-T354L107K016AT	T354L107K016AT	100	.350	.710	.250			
80-T354M157K016AT	T354M157K016AT	150	.400	.740	.250			
20 Volt								
80-T354E106K020AT	T354E106K020AT	10	.216	.400	.250			
80-T354F156K020AT	T354F156K020AT	15	.236	.440	.250			
80-T354G226K020AT	T354G226K020AT	22	.250	.450	.250			
80-T354K476K020AT	T354K476K020AT	47	.350	.610	.250			
80-T354L686K020AT	T354L686K020AT	68	.350	.710	.250			
80-T354M107K020AT	T354M107K020AT	100	.400	.740	.250			
25 Volt								
80-T354B225K025AT	T354B225K025AT	2.2	.175	.350	.250			
80-T354C475K025AT	T354C475K025AT	4.7	.196	.380	.250			
80-T354E106K025AT	T354E106K025AT	10	.216	.400	.250			
80-T354H226K025AT	T354H226K025AT	22	.300	.470	.250			
80-T354J276K025AT	T354J276K025AT	27	.330	.550	.250			
80-T354J336K025AT	T354J336K025AT	33	.330	.550	.250			
80-T354K476K025AT	T354K476K025AT	47	.350	.610	.250			
80-T354L686K025AT	T354L686K025AT	68	.350	.710	.250			
35 Volt								
80-T354A105K035AT	T354A105K035AT	1.0	.175	.340	.250			
80-T354C225K035AT	T354C225K035AT	2.2	.196	.380	.250			
80-T354E475K035AT	T354E475K035AT	4.7	.216	.400	.250			
80-T354F685K035AT	T354F685K035AT	6.8	.236	.440	.250			
80-T354G106K035AT	T354G106K035AT	10	.250	.450	.250			
80-T354J156K035AT	T354J156K035AT	15	.330	.550	.250			
80-T354K226K035AT	T354K226K035AT	22	.350	.610	.250			
80-T354L336K035AT	T354L336K035AT	33	.350	.710	.250			
80-T354M476K035AT	T354M476K035AT	47	.400	.740	.250			
50 Volt								
80-T354B105K050AT	T354B105K050AT	1.0	.175	.350	.250			
80-T354G475K050AT	T354G475K050AT	4.7	.250	.450	.250			
80-T354K106K050AT	T354K106K050AT	10	.350	.610	.250			
80-T354L156K050AT	T354L156K050AT	15	.350	.710	.250			
80-T354M226K050AT	T354M226K050AT	22	.400	.740	.250			

T355, Formed Leads

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
10 Volt								
80-T355F336K010AT	T355F336K010AT	33	.236	.440	.125			
16 Volt								
80-T355E106K016AT	T355E106K016AT	10	.216	.400	.125			
80-T355F226K016AT	T355F226K016AT	22	.236	.440	.125			
20 Volt								
80-T355E106K020AT	T355E106K020AT	10	.216	.400	.125			
80-T355F156K020AT	T355F156K020AT	15	.236	.440	.125			
25 Volt								
80-T355B225K025AT	T355B225K025AT	2.2	.175	.350	.125			
80-T355C475K025AT	T355C475K025AT	4.7	.196	.380	.125			
80-T355E106K025AT	T355E106K025AT	10	.216	.400	.125			
80-T355H226K025AT	T355H226K025AT	22	.300	.470	.125			



D = max. diameter, H = max. height, LS = lead spacing

T355, Formed Leads (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
35 Volt								
80-T355A334K035AT	T355A334K035AT	0.33	.175	.340	.125			
80-T355A105K035AT	T355A105K035AT	1.0	.175	.340	.125			
80-T355B155K035AT	T355B155K035AT	1.5	.175	.350	.125			
80-T355C225K035AT	T355C225K035AT	2.2	.196	.380	.125			
80-T355D335K035AT	T355D335K035AT	3.3	.196	.390	.125			
80-T355E475K035AT	T355E475K035AT	4.7	.216	.400	.125			
80-T355F685K035AT	T355F685K035AT	6.8	.236	.440	.125			
80-T355G106K035AT	T355G106K035AT	10	.250	.450	.125			
50 Volt								
80-T355B105K050AT	T355B105K050AT	1.0	.175	.350	.125			
80-T355E225K050AT	T355E225K050AT	2.2	.216	.400	.125			

T356, Formed Leads

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
10 Volt								
80-T356J107K010AT	T356J107K010AT	100	.330	.550	.200			
16 Volt								
80-T356B475K016AT	T356B475K016AT	4.7	.175	.350	.200			
80-T356E106K016AT	T356E106K016AT	10	.216	.400	.200			
80-T356F226K016AT	T356F226K016AT	22	.236	.440	.200			
80-T356H336K016AT	T356H336K016AT	33	.300	.470	.200			
80-T356J476K016AT	T356J476K016AT	47	.330	.550	.200			
80-T356K686K016AT	T356K686K016AT	68	.350	.610	.200			
80-T356L107K016AT	T356L107K016AT	100	.350	.710	.200			
80-T356M157K016AT	T356M157K016AT	150	.400	.740	.200			
20 Volt								
80-T356E106K020AT	T356E106K020AT	10	.216	.400	.200			
80-T356F156K020AT	T356F156K020AT	15	.236	.440	.200			
80-T356M107K020AT	T356M107K020AT	100	.400	.740	.200			
25 Volt								
80-T356C475K025AT	T356C475K025AT	4.7	.196	.380	.200			
80-T356E106K025AT	T356E106K025AT	10	.216	.400	.200			
80-T356H226K025AT	T356H226K025AT	22	.300	.470	.200			
80-T356J336K025AT	T356J336K025AT	33	.330	.550	.200			
80-T356K476K025AT	T356K476K025AT	47	.350	.610	.200			
80-T356L686K025AT	T356L686K025AT	68	.350	.710	.200			
35 Volt								
80-T356A105K035AT	T356A105K035AT	1.0	.175	.340	.200			
80-T356C225K035AT	T356C225K035AT	2.2	.196	.380	.200			
80-T356E475K035AT	T356E475K035AT	4.7	.216	.400	.200			
80-T356G106K035AT	T356G106K035AT	10	.250	.450	.200			
80-T356K226K035AT	T356K226K035AT	22	.350	.610	.200			
80-T356L336K035AT	T356L336K035AT	33	.350	.710	.200			
50 Volt								
80-T356B105K050AT	T356B105K050AT	1.0	.175	.350	.200			
80-T356K106K050AT	T356K106K050AT	10	.350	.610	.200			
80-T356M226K050AT	T356M226K050AT	22	.400	.740	.200			

KEMET Tantalum Caps, Leaded

KEMET Tantalum Capacitors



T322 SERIES, TANTALUM, MOLDED AXIALS, 10% TOLERANCE

These capacitors offer an extremely high capacitance-to-volume ratio while still maintaining excellent performance. Ideally suited for use in printed wiring boards and all applications requiring a high degree of packaging density.

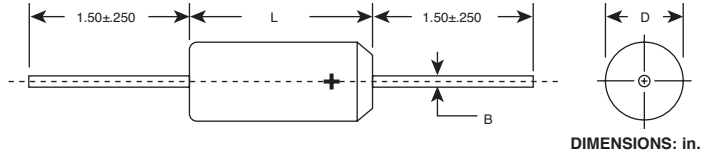
Typical applications include decoupling, blocking, bypassing and filtering in commercial computers, data processing, communications, and other electronic equipment. The low ESR/impedance at high frequencies offered by this capacitor is especially suitable for decoupling required by high speed computers. Voltage rated at 85°C. Derate voltage 33% at 125°C.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.			Price Each		
			D	L	B	1	10	100
6.3 Volt								
80-T322B156K006AT	T322B156K006AT	15	.110	.290	.020			
80-T322D476K6AT	T322D476K006AT	47	.180	.420	.020			
80-T322D686K6AT	T322D686K006AT	68	.180	.420	.020			
10 Volt								
80-T322A335K10AT	T322A335K010AT	3.3	.095	.260	.020			
80-T322B475K10AT	T322B475K010AT	4.7	.110	.290	.020			
80-T322B106K10AT	T322B106K010AT	10	.110	.290	.020			
80-T322C226K10AT	T322C226K010AT	22	.180	.345	.020			
80-T322D336K10AT	T322D336K010AT	33	.180	.420	.020			
80-T322D476K010AT	T322D476K010AT	47	.180	.420	.020			
80-T322E107K10AT	T322E107K010AT	100	.280	.530	.025			
80-T322F227K10AT	T322F227K010AT	220	.300	.710	.025			
15 Volt								
80-T322B335K15AT	T322B335K015AT	3.3	.110	.290	.020			
80-T322B685K15AT	T322B685K015AT	6.8	.110	.290	.020			
80-T322D226K15AT	T322D226K015AT	22	.180	.420	.020			
80-T322D336K15AT	T322D336K015AT	33	.180	.420	.020			
80-T322E107K015AT	T322E107K015AT	100	.280	.530	.025			
20 Volt								
80-T322A105K20AT	T322A105K020AT	1.0	.095	.260	.020			
80-T322B225K20AT	T322B225K020AT	2.2	.110	.290	.020			
80-T322B475K20AT	T322B475K020AT	4.7	.110	.290	.020			
80-T322C106K20AT	T322C106K020AT	10	.180	.345	.020			
80-T322D156K020AT	T322D156K020AT	15	.180	.420	.020			
80-T322D226K20AT	T322D226K020AT	22	.180	.420	.020			
80-T322E476K020AT	T322E476K020AT	47	.280	.530	.025			
80-T322F107K20AT	T322F107K020AT	100	.300	.710	.025			
25 Volt								
80-T322A105K25AT	T322A105K025AT	1.0	.095	.260	.020			
80-T322B225K25AT	T322B225K025AT	2.2	.110	.290	.020			



DIMENSIONS: in.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.			Price Each		
			D	L	B	1	10	100
25 Volt (Cont.)								
80-T322C685K25AT	T322C685K025AT	6.8	.180	.345	.020			
80-T322C106K25AT	T322C106K025AT	10	.180	.345	.020			
80-T322D156K25AT	T322D156K025AT	15	.180	.420	.020			
80-T322E226K25AT	T322E226K025AT	22	.280	.530	.025			
80-T322E476K25AT	T322E476K025AT	47	.280	.530	.025			
35 Volt								
80-T322A474K35AT	T322A474K035AT	0.47	.095	.260	.020			
80-T322B105K35AT	T322B105K035AT	1.0	.110	.290	.020			
80-T322C225K35AT	T322C225K035AT	2.2	.180	.345	.020			
80-T322C335K35AT	T322C335K035AT	3.3	.180	.345	.020			
80-T322C475K35AT	T322C475K035AT	4.7	.180	.345	.020			
80-T322D565K35AT	T322D565K035AT	5.6	.180	.420	.020			
80-T322D685K35AT	T322D685K035AT	6.8	.180	.420	.020			
80-T322D106K035AT	T322D106K035AT	10	.180	.420	.020			
80-T322E226K35AT	T322E226K035AT	22	.280	.530	.025			
80-T322E336K35AT	T322E336K035AT	33	.280	.530	.025			
80-T322F476K35AT	T322F476K035AT	47	.300	.710	.025			
50 Volt								
80-T322A104K50AT	T322A104K050AT	0.1	.095	.260	.020			
80-T322B105K50AT	T322B105K050AT	1	.114	.290	.020			
80-T322E106K50AT	T322E106K050AT	10	.280	.530	.025			
80-T322F226K50AT	T322F226K050AT	22	.300	.710	.025			

Tantalum Caps, Leaded KEMET



T110 SERIES, TANTALUM HERMETICALLY SEALED, AXIAL, 10% TOLERANCE

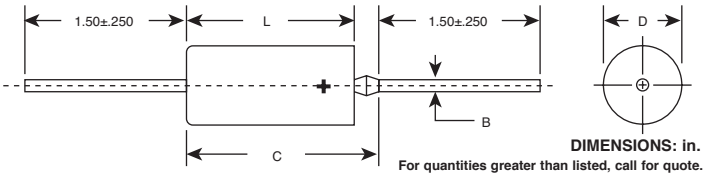
KEMET standard hermetic sealed T110 Series are desirable for use in high humidity environments. They are ruggedly built, designed for miniaturized circuitry, and are especially suited for coupling, bypass filtering and R-C timing circuits. They exhibit excellent stability, extremely low DC leakage current, dissipation factor, and ESR/impedance over a wide temperature and frequency range. Voltage rated at 85°C. Derate voltage 33% at 125°C.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.				Price Each		
			D	L	B	C	1	25	50
6.3 Volt									
80-T110B476K006AT	T110B476K006AT	47	.185	.474	.020	.610			
10 Volt									
80-T110A105K010AT	T110A105K010AT	1.0	.135	.286	.020	.422			
80-T110A475K010AT	T110A475K010AT	4.7	.135	.286	.020	.422			
80-T110B106K010AT	T110B106K010AT	10	.185	.474	.020	.610			
80-T110B226K010AT	T110B226K010AT	22	.185	.474	.020	.610			
80-T110B336K010AT	T110B336K010AT	33	.185	.474	.020	.610			
80-T110B396K010AT	T110B396K010AT	39	.185	.474	.020	.610			
80-T110C107K010AT	T110C107K010AT	100	.289	.686	.025	.822			
80-T110C127K010AT	T110C127K010AT	120	.289	.686	.025	.822			
80-T110D227K010AT	T110D227K010AT	220	.351	.786	.025	.922			
15 Volt									
80-T110A335K015AT	T110A335K015AT	3.3	.135	.286	.020	.422			
80-T110B226K015AT	T110B226K015AT	22	.185	.474	.020	.610			
80-T110D107K015AT	T110D107K015AT	100	.351	.786	.025	.922			
80-T110D127K015AT	T110D127K015AT	120	.351	.786	.025	.922			
20 Volt									
80-T110A105K020AT	T110A105K020AT	1.0	.135	.286	.020	.422			
80-T110A225K020AT	T110A225K020AT	2.2	.135	.286	.020	.422			
80-T110B106K020AT	T110B106K020AT	10	.185	.474	.020	.610			
80-T110B156K020AT	T110B156K020AT	15	.185	.474	.020	.610			
80-T110C476K020AT	T110C476K020AT	47	.289	.686	.025	.822			
80-T110D107K020AT	T110D107K020AT	100	.351	.786	.025	.922			



DIMENSIONS: in.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.				Price Each		
			D	L	B	C	1	25	50
35 Volt									
80-T110A474K035AT	T110A474K035AT	0.47	.135	.286	.020	.422			
80-T110A105K035AT	T110A105K035AT	1.0	.135	.286	.020	.422			
80-T110B225K035AT	T110B225K035AT	2.2	.185	.474	.020	.610			
80-T110B335K035AT	T110B335K035AT	3.3	.185	.474	.020	.610			
80-T110B475K035AT	T110B475K035AT	4.7	.185	.474	.020	.610			
80-T110B565K035AT	T110B565K035AT	5.6	.185	.474	.020	.610			
80-T110B685K035AT	T110B685K035AT	6.8	.185	.474	.020	.610			
80-T110C106K035AT	T110C106K035AT	10	.289	.686	.025	.822			
80-T110C226K035AT	T110C226K035AT	22	.289	.686	.025	.822			
80-T110D476K035AT	T110D476K035AT	47	.351	.786	.025	.922			
50 Volt									
80-T110A105K050AT	T110A105K050AT	1.0	.135	.286	.020	.422			
80-T110B475K050AT	T110B475K050AT	4.7	.185	.474	.020	.610			
80-T110C106K050AT	T110C106K050AT	10	.289	.686	.025	.822			
80-T110D226K050AT	T110D226K050AT	22	.351	.786	.025	.922			



T550 SERIES, TANTALUM HERMETICALLY SEALED, AXIAL, 10% TOLERANCE

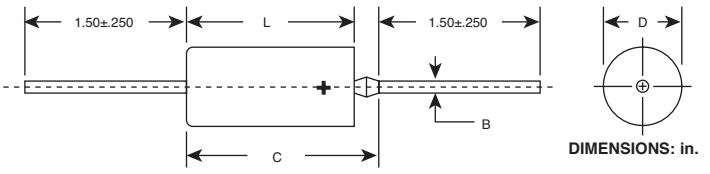
The organic polymer characteristic of the T550 Polymer Hermetic Seal Series (PHS) from KEMET results in very low ESR and improved capacitance retention at high frequency and low temperature. The T550 PHS capacitor can be operated at voltages up to 80% of rated voltage with equivalent or better reliability than the traditional MnO2 or wet tantalum capacitors that operated at 50% of rated voltage. The capacitance range of the T550 capacitor is 100µF to 120µF @ 120 Hz/25°C and its operating temperature range is -55°C to 105°C.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (µf)	Dimensions: in.				Price Each		
			D	L	B	C	1	20	50
80-T550B107K060AH	T550B107K060AH	100	.312	.641	.025	.891			



DIMENSIONS: in.

KEMET Tantalum Capacitors



KEMET "ULTRA DIP II" TANTALUM CAPACITORS, 10% TOLERANCE

T350, Straight Lead

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
6.3 Volt								
80-T350G686K006	T350G686K006AS	68	.250	.400	.100			
80-T350H107K006	T350H107K006AS	100	.300	.400	.100			
80-T350L337K006	T350L337K006AS	330	.350	.630	.200			
10 Volt								
80-T350A475K010	T350A475K010AS	4.7	.175	.280	.100			
80-T350C106K010	T350C106K010AS	10	.196	.330	.100			
80-T350E226K010	T350E226K010AS	22	.216	.350	.100			
80-T350J107K010	T350J107K010AS	100	.330	.500	.200			
80-T350L227K010	T350L227K010AS	220	.350	.630	.200			
16 Volt								
80-T350A155K016	T350A155K016AS	1.5	.175	.280	.100			
80-T350A225K016	T350A225K016AS	2.2	.175	.280	.100			
80-T350A335K016	T350A335K016AS	3.3	.175	.280	.100			
80-T350E106K016	T350E106K016AS	10	.216	.350	.100			
80-T350F226K016	T350F226K016AS	22	.236	.390	.100			
80-T350K686K016	T350K686K016AS	68	.350	.530	.200			
20 Volt								
80-T350C475K020	T350C475K020AS	4.7	.196	.330	.100			
80-T350F156K020	T350F156K020AS	15	.236	.390	.100			
80-T350G226K020	T350G226K020AS	22	.250	.400	.100			
80-T350L686K020	T350L686K020AS	68	.350	.630	.200			
80-T350M107K020	T350M107K020AS	100	.400	.670	.200			
25 Volt								
80-T350C475K025	T350C475K025AS	4.7	.196	.330	.100			
80-T350E106K025	T350E106K025AS	10	.216	.350	.100			
80-T350L686K025	T350L686K025AS	68	.350	.630	.200			
35 Volt								
80-T350A104K035	T350A104K035AS	0.1	.175	.280	.100			
80-T350A334K035	T350A334K035AS	0.33	.175	.280	.100			
80-T350A474K035	T350A474K035AS	0.47	.175	.280	.100			
80-T350A684K035	T350A684K035AS	0.68	.175	.280	.100			
80-T350A105K035	T350A105K035AS	1.0	.175	.280	.100			
80-T350B155K035	T350B155K035AS	1.5	.175	.300	.100			
80-T350G106K035	T350G106K035AS	10	.250	.400	.100			
80-T350J156K035	T350J156K035AS	15	.330	.500	.200			
50 Volt								
80-T350A104K050	T350A104K050AS	0.1	.175	.280	.100			
80-T350K106K050	T350K106K050AS	10	.350	.530	.200			

T351, Formed Leads

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
10 Volt								
80-T351A475K010	T351A475K010AS	4.7	.175	.380	.100			
16 Volt								
80-T351A225K016	T351A225K016AS	2.2	.175	.380	.100			
80-T351B475K016	T351B475K016AS	4.7	.175	.390	.100			
25 Volt								
80-T351B225K025	T351B225K025AS	2.2	.175	.390	.100			
80-T351E106K025	T351E106K025AS	10	.216	.440	.100			
35 Volt								
80-T351A105K035	T351A105K035AS	1.0	.175	.380	.100			
80-T351C225K035	T351C225K035AS	2.2	.196	.420	.100			

T352, Formed Leads

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
16 Volt								
80-T352F226K016	T352F226K016AS	22	.236	.500	.200			

T353, Formed Leads

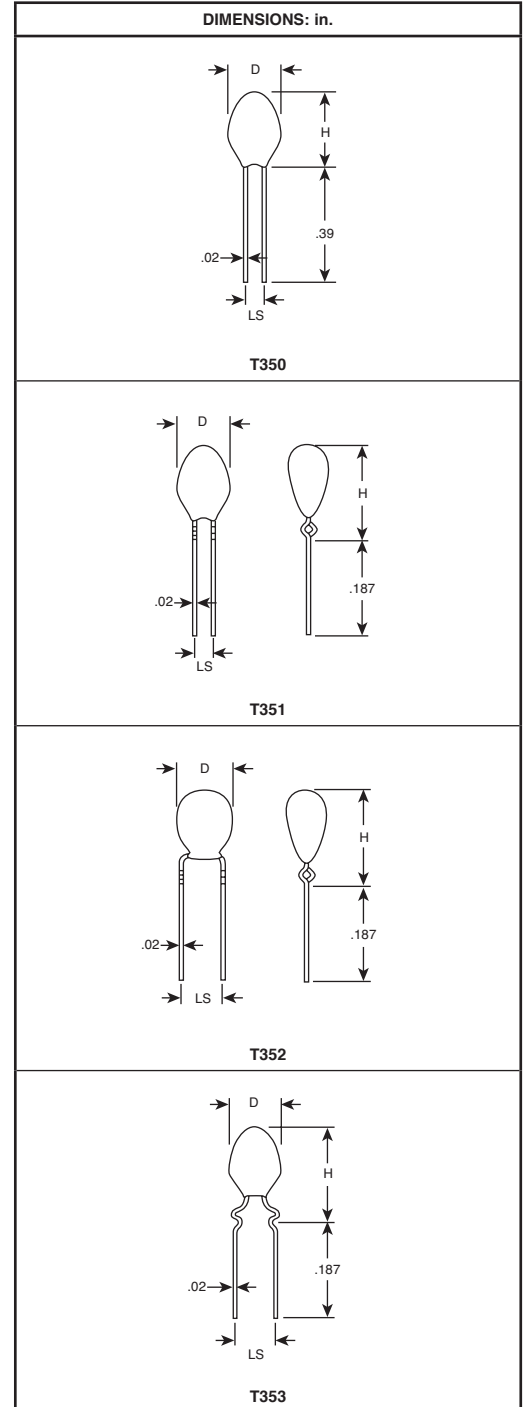
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
20 Volt								
80-T353M107K020	T353M107K020AS	100	.400	.760	.200			
25 Volt								
80-T353E106K025	T353E106K025AS	10	.216	.460	.200			
35 Volt								
80-T353A105K035	T353A105K035AS	1.0	.175	.400	.200			
80-T353G106K035	T353G106K035AS	10	.250	.510	.200			
80-T353K226K035	T353K226K035AS	22	.350	.630	.200			
80-T353M476K035	T353M476K035AS	47	.400	.760	.200			

The KEMET "Ultra Dip II" Series, miniature dipped solid tantalum capacitors, provide the designer with the advantage of compactness plus low leakage and low DF performance characteristics for filtering, bypassing, coupling, blocking and RC timing circuits. The plastic case provides a tough barrier coating and maintains precision of lead wire spacing within ±0.015 inch. The gold color epoxy utilized permits laser marking with outstanding permanency and legibility. All case sizes are printed with capacitance, voltage, polarity, and vendor identification. Solid tantalum devices exhibit no degradation failure mode during shelf storage and show a constantly decreasing failure rate (i.e., absence of wearout mechanism) during life tests. The "UltraDip II" Series provides self-insulation cases which are resistant to shock and vibration. These capacitors exhibit low DCL, ESR and Impedance and have excellent temperature stability. Voltages listed are at 85°C. Derate voltage 33% at 125°C.

Available in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information.

D = max. diameter, H = max. height, LS = lead spacing



VISHAY/SPRAGUE Radial Leaded Tantalum Capacitors



VISHAY TYPE 199D SOLID TANTALUM CAPACITORS

Solid-Electrolyte TANTALEX® Capacitors Resin-Coated, Radial-Lead

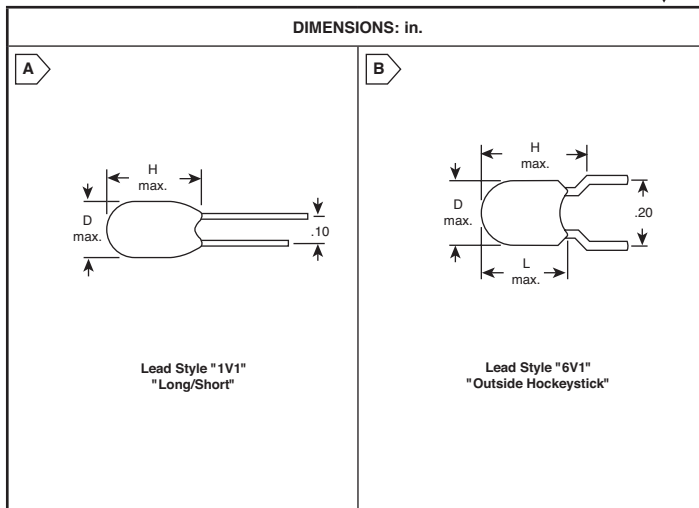
Features:

- Economy and high performance are combined in these radial-lead solid-electrolyte TANTALEX® capacitors
- Rugged, reliable capacitors featuring low leakage current and low dissipation factor

Performance Characteristics:

- Operating temperature: -55°C to +85°C
- Derate voltage: 33% @ 125°C
- Capacitance Tolerance: ±10%
- Lead size: 24AWG, 0.010 nom. dia.

Case Code	Dimensions: in. (mm)	
	Diameter D (Max.)	Length L (Max.)
A	0.177 (4.40)	0.280 (7.11)
B	0.196 (5.00)	0.300 (7.62)
C	0.216 (5.50)	0.360 (9.14)
D	0.236 (6.00)	0.400 (10.16)
E	0.340 (8.60)	0.492 (12.50)
F	0.380 (9.60)	0.650 (16.50)



Tantalum Caps, Leaded Vishay

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value (µF)	Case Code	Volt (DC)	Max. DLC @ 25°C (µA)	Max. DF @ +25°C 120 Hz (%)	Price Each				
								1	25	100	500	1000
74-199D6.3V10	199D106X96R3B1V1	A	10	B	6.3	0.6	8					
74-199D6.3V33	199D336X96R3C1V1	A	33	C	6.3	2	8					
74-199D6.3V47	199D476X96R3D1V1	A	47	D	6.3	2.9	8					
74-199D6.3V68	199D686X96R3D1V1	A	68	D	6.3	4	8					
74-199D6.3V100	199D107X96R3D1V1	A	100	D	6.3	5	10					
74-199D10V10	199D106X9010B1V1	A	10	B	10	1	8					
74-199D10V22	199D226X9010C1V1	A	22	C	10	2	8					
74-199D10V33	199D336X9010D1V1	A	33	D	10	3	8					
74-199D10V68	199D686X9010D1V1	A	68	D	10	5	8					
74-199D10V100	199D107X9010E6V1	B	100	E	10	6	10					
74-199D10V220	199D227X9010F6V1	B	220	F	10	8	10					
74-199D16V2.2	199D225X9016A1V1	A	2.2	A	16	0.5	6					
74-199D16V3.3	199D335X9016A1V1	A	3.3	A	16	0.5	6					
74-199D16V4.7	199D475X9016B1V1	A	4.7	B	16	0.7	6					
74-199D16V6.8	199D685X9016B1V1	A	6.8	B	16	1	6					
74-199D16V10	199D106X9016C1V1	A	10	C	16	1.5	8					
74-199D16V22	199D226X9016D1V1	A	22	D	16	3.5	8					
74-199D16V33	199D336X9016D1V1	A	33	D	16	4	8					
74-199D16V47	199D476X9016E6V1	B	47	E	16	5	8					
74-199D16V68	199D686X9016E6V1	B	68	E	16	6	8					
74-199D16V100	199D107X9016F6V1	B	100	F	16	7	10					
74-199D20V2.2	199D225X9020A1V1	A	2.2	A	20	0.5	6					
74-199D20V10	199D106X9020C1V1	A	10	C	20	2	8					
74-199D20V15	199D156X9020D1V1	A	15	D	20	2.5	8					
74-199D20V22	199D226X9020D1V1	A	22	D	20	3	8					
74-199D20V47	199D476X9020E6V1	B	47	E	20	5	8					
74-199D25V1.5	199D155X9025A1V1	A	1.5	A	25	0.5	6					
74-199D25V2.2	199D225X9025A1V1	A	2.2	A	25	0.5	6					
74-199D25V4.7	199D475X9025B1V1	A	4.7	B	25	1	6					
74-199D25V6.8	199D685X9025C1V1	A	6.8	C	25	1.5	6					
74-199D25V15	199D156X9025D1V1	A	15	D	25	3	8					
74-199D25V22	199D226X9025D1V1	A	22	D	25	4	8					
74-199D25V47E	199D476X9025E6V1	B	47	E	25	6	8					
74-199D25V68	199D686X9025F6V1	B	68	F	25	7	8					
74-199D35V0.1	199D104X9035A1V1	A	0.1	A	35	0.5	4					
74-199D35V0.15	199D154X9035A1V1	A	0.15	A	35	0.5	4					
74-199D35V0.22	199D224X9035A1V1	A	0.22	A	35	0.5	4					
74-199D35V0.47	199D474X9035A1V1	A	0.47	A	35	0.5	4					
74-199D35V0.68	199D684X9035A1V1	A	0.68	A	35	0.5	4					
74-199D35V1.0	199D105X9035A1V1	A	1	A	35	0.5	4					
74-199D35V1.5	199D155X9035A1V1	A	1.5	A	35	0.5	6					
74-199D35V2.2	199D225X9035B1V1	A	2.2	B	35	0.7	6					
74-199D35V3.3	199D335X9035B1V1	A	3.3	B	35	1	6					
74-199D35V4.7	199D475X9035C1V1	A	4.7	C	35	1.5	6					
74-199D35V15	199D156X9035E6V1	B	15	E	35	4	8					
74-199D35V33	199D336X9035F6V1	B	33	F	35	6	8					
74-199D35V47	199D476X9035F6V1	B	47	F	35	7	8					
74-199D50V0.1	199D104X9050A1V1	A	0.1	A	50	0.5	4					
74-199D50V0.22	199D224X9050A1V1	A	0.22	A	50	0.5	4					
74-199D50V0.33	199D334X9050A1V1	A	0.33	A	50	0.5	4					
74-199D50V1.0	199D105X9050B1V1	A	1	B	50	0.5	4					
74-199D50V2.2	199D225X9050C1V1	A	2.2	C	50	1.1	6					
74-199D50V10	199D106X9050F6V1	B	10	F	50	4	8					
74-199D50V22	199D226X9050F6V1	B	22	F	50	6	8					

VISHAY/SPRAGUE Tantalum Capacitors



150D SOLID TANTALUM CAPACITORS - HERMETICALLY-SEALED

Features:

- Terminations: Tin/lead (SnPb), 100% Tin (RoHS compliant)
- These high performance, hermetically-sealed Tantalex® capacitors have set the standard for solid-electrolyte tantalum capacitors for more than three decades
- High capacitance, low DCL, low dissipation factor and exceptional operating stability
- Performance and reliability have been proven in commercial, industrial and military applications
- Available in four case codes and capacitors are supplied with plastic-film insulation
- Terminals are solid, tinned nickel wire leads
- The Military equivalent to the 150D is the CSR13 which is qualified to MIL-C-39003/01

Specifications:

- Operating Temperature: -55°C to +85°C
- Capacitance Tolerance: ±10% standard
- ±5% available as special
- Dissipation Factor: @120Hz, +25°C
- Life Test: 2000 hours @ 85°C



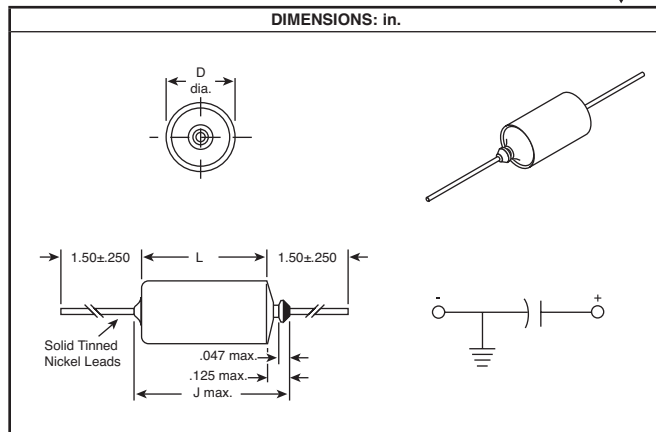
LEAD-FREE



RoHS Compliant

Case Size	With Insulating Sleeve*		J (Max.)	Lead Size	
	D	L		AWG No.	Nominal Dia.
A	.135±.016	.286±.031	.422	24AWG	.020
B	.185±.016	.474±.031	.610	24AWG	.020
R	.289±.016	.686±.031	.822	22AWG	.025
S	.351±.016	.786±.031	.922	22AWG	.025

* When a shrink-fitted insulation is used, it shall lap over the ends of the capacitor body



Vishay Tantalum Caps, Leaded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (µF)	Case Size	Price Each			
					1	25	50	100
74-150D476X9006B2BE3	150D476X9006B2BE3	6	47	B				
74-150D475X9010A2BE3	150D475X9010A2BE3	10	4.7	A				
74-150D336X9010B2BE3	150D336X9010B2BE3	10	33	B				
74-150D396X9010B2BE3	150D396X9010B2BE3	10	39	B				
74-150D107X9010R2BE3	150D107X9010R2BE3	10	100	R				
74-150D227X9010S2BE3	150D227X9010S2BE3	10	220	S				
74-150D335X9015A2BE3	150D335X9015A2BE3	15	3.3	A				
74-150D226X9015B2BE3	150D226X9015B2BE3	15	22	B				
74-150D225X9020A2BE3	150D225X9020A2BE3	20	2.2	A				
74-150D475X9020B2BE3	150D475X9020B2BE3	20	4.7	B				
74-150D106X9020B2BE3	150D106X9020B2BE3	20	10	B				
74-150D156X9020B2BE3	150D156X9020B2BE3	20	15	B				
74-150D336X9020R2BE3	150D336X9020R2BE3	20	33	R				
74-150D476X9020R2BE3	150D476X9020R2BE3	20	47	R				
74-150D107X9020S2BE3	150D107X9020S2BE3	20	100	S				
74-150D104X9035A2BE3	150D104X9035A2BE3	35	0.10	A				
74-150D224X9035A2BE3	150D224X9035A2BE3	35	0.22	A				
74-150D474X9035A2BE3	150D474X9035A2BE3	35	0.47	A				
74-150D105X9035A2BE3	150D105X9035A2BE3	35	1	A				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (µF)	Case Size	Price Each			
					1	25	50	100
74-150D225X9035B2BE3	150D225X9035B2BE3	35	2.2	B				
74-150D275X9035B2BE3	150D275X9035B2BE3	35	2.7	B				
74-150D335X9035B2BE3	150D335X9035B2BE3	35	3.3	B				
74-150D475X9035B2BE3	150D475X9035B2BE3	35	4.7	B				
74-150D565X9035B2BE3	150D565X9035B2BE3	35	5.6	B				
74-150D685X9035B2BE3	150D685X9035B2BE3	35	6.8	B				
74-150D106X9035R2BE3	150D106X9035R2BE3	35	10	R				
74-150D156X9035R2BE3	150D156X9035R2BE3	35	15	R				
74-150D226X9035R2BE3	150D226X9035R2BE3	35	22	R				
74-150D396X9035S2BE3	150D396X9035S2BE3	35	39	S				
74-150D476X9035S2BE3	150D476X9035S2BE3	35	47	S				
74-150D474X9050A2BE3	150D474X9050A2BE3	50	0.47	A				
74-150D105X9050A2BE3	150D105X9050A2BE3	50	1	A				
74-150D335X9050B2BE3	150D335X9050B2BE3	50	3.3	B				
74-150D475X9050B2BE3	150D475X9050B2BE3	50	4.7	B				
74-150D106X9050R2BE3	150D106X9050R2BE3	50	10	R				
74-150D156X9050R2BE3	150D156X9050R2BE3	50	15	R				
74-150D226X9050S2BE3	150D226X9050S2BE3	50	22	S				
74-150D106X9075R2BE3	150D106X9075R2BE3	75	10	R				

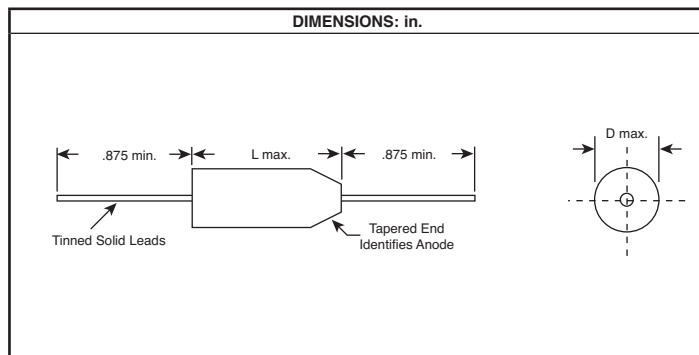
VISHAY TYPE 173D SOLID TANTALUM CAPACITORS

Type 173D molded case axial-lead TANTALEX® capacitors are designed for high performance automotive, industrial and commercial electronic equipment. Precision molded in gold colored, flame retardant, thermosetting epoxy resin, units are laser marked for improved legibility, while the tapered end of the case provides easy identification of the positive terminal.

Specifications:

- Operating Temperature: -55°C to +85°C
- Capacitance Tolerance: ±10%
- Dissipation Factor: @ 120Hz, +25°C
- Life Test: 2000 hours @ 85°C

Case Size	D (Max.)	L (Max.)	Lead Diameter
U	.095	.260	.020
V	.110	.290	.020
W	.180	.345	.020
X	.180	.420	.020
Y	.280	.550	.025



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (µF)	Case Size	Price Each			
					1	25	50	100
74-173D10V10	173D106X9010V	10	10	V				
74-173D10V22	173D226X9010W	10	22	W				
74-173D15V2.2	173D225X9015U	15	2.2	U				
74-173D15V6.8	173D685X9015V	15	6.8	V				
74-173D15V15	173D156X9015W	15	15	W				
74-173D15V33	173D336X9015X	15	33	X				
74-173D20V1.0	173D105X9020U	20	1	U				
74-173D20V4.7	173D475X9020V	20	4.7	V				
74-173D20V22	173D226X9020X	20	22	X				
74-173D20V100	173D107X9020Y	20	100	Y				
74-173D25V1.0	173D105X9025U	25	1	U				
74-173D25V2.2	173D225X9025V	25	2.2	V				
74-173D25V3.3	173D335X9025V	25	3.3	V				
74-173D25V6.8	173D685X9025W	25	6.8	W				
74-173D25V10	173D106X9025W	25	10	W				
74-173D25V12	173D126X9025X	25	12	X				
74-173D25V15	173D156X9025X	25	15	X				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (µF)	Case Size	Price Each			
					1	25	50	100
74-173D35V0.1	173D104X9035U	35	0.1	U				
74-173D35V0.33	173D334X9035U	35	0.33	U				
74-173D35V0.47	173D474X9035U	35	0.47	U				
74-173D35V1.0	173D105X9035V	35	1	V				
74-173D35V1.5	173D155X9035V	35	1.5	V				
74-173D35V2.2	173D225X9035W	35	2.2	W				
74-173D35V3.3	173D335X9035W	35	3.3	W				
74-173D35V4.7	173D475X9035W	35	4.7	W				
74-173D35V6.8	173D685X9035X	35	6.8	X				
74-173D35V10	173D106X9035X	35	10	X				
74-173D35V22	173D226X9035Y	35	22	Y				
74-173D35V47	173D476X9035Y	35	47	Y				
74-173D50V0.1	173D104X9050U	50	0.1	U				
74-173D50V0.22	173D224X9050U	50	0.22	U				
74-173D50V0.47	173D474X9050V	50	0.47	V				
74-173D50V1.0	173D105X9050V	50	1	V				
74-173D50V2.2	173D225X9050W	50	2.2	W				
74-173D50V4.7	173D475X9050X	50	4.7	X				

AVX Electrolytic Tantalum Capacitors



TANTALUM FUSED CAPACITORS

RoHS Compliant This product is RoHS compliant.

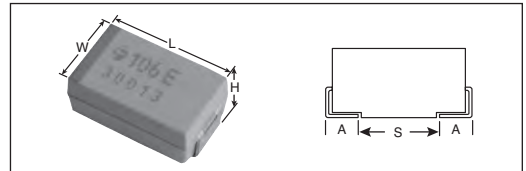
Fused Tantalum Capacitors offer protection from possible damaging short circuit failure modes. This is accomplished with an internal fuse using thin film technology that is in series with the capacitor. The AVX fused tantalum offers lower ESR limits than competitive fused tantalum capacitors.

Features:

- Molded Case
- Internal thin-film fuse
- Fail safe operation while maintaining low ESR
- Fuse characteristics can be specified
- Lower ESR and faster actuation than competition
- Compatible with lead-free solder processes
- Stable lead-times

Applications:

- Industrial: Failure intolerant systems
- Computers
- Server backplanes
- Highend computing and decoupling
- Parallel capacitor banks that will benefit from redundancy
- All Markets
- Uninterruptible power supplies
- Lower ESR than competing product
- Higher ripple current capability



DIMENSIONS: mm (in.)

RoHS Compliant

Code	EIA Code	L±0.20 (0.008)	W+0.20 (0.008) -0.10(0.004)	H±0.20 (0.008) -0.10(0.004)	W ₁ ±0.20(0.008)	A+0.30 (0.012) -0.20(0.008)	S Min.
D	7343-31	7.30 (0.287)	4.30 (0.169)	2.90 (0.114)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)

PRODUCT NEW

MOUSER STOCK NO.	AVX Part No.	Volt	Value (µF)	Tol. ± %	DCL (µA) Max.	ESR max (mohms) @ 100kHz	Price Each				
							1	10	100	500	1000
TAW Series											
581-TAWD476K010R0500	TAWD476K010R0500	10	47	10	4.7	500					
581-TAWD476M010R0500	TAWD476M010R0500	10	47	20	4.7	500					
581-TAWD107K010R0500	TAWD107K010R0500	10	100	10	10	500					
581-TAWD107M010R0500	TAWD107M010R0500	10	100	20	10	500					
581-TAWD336K016R0600	TAWD336K016R0600	16	33	10	5.3	600					
581-TAWD336M016R0600	TAWD336M016R0600	16	33	20	5.3	600					
581-TAWD226K020R0500	TAWD226K020R0500	20	22	10	4.4	500					
581-TAWD685K035R0600	TAWD685K035R0600	35	6.8	10	2.4	600					
581-TAWD106K025R0600	TAWD106K025R0600	25	10	10	2.5	600					
581-TAWD106M025R0600	TAWD106M025R0600	25	10	20	2.5	600					
581-TAWD226K025R0600	TAWD226K025R0600	25	22	10	5.5	600					
581-TAWD106K035R0600	TAWD106K035R0600	35	10	10	3.5	600					
581-TAWD685K050R0700	TAWD685K050R0700	50	6.8	10	3.4	700					
581-TAWD685M050R0700	TAWD685M050R0700	50	6.8	20	3.4	700					
TBW Series											
581-TBWD156K35CBDB	TBWD156K035CBDB0000	35	15	10	5.3	0.75					
581-TBWD475K50CBDB	TBWD475K050CBDB0000	50	4.7	10	2.4	0.75					



TWA WET ELECTROLYTIC TANTALUM CAPACITOR

The TWA series is an axial leaded wet electrolytic tantalum capacitor and represents a new level of high CV (capacitance/voltage) previously unavailable in this technology. TWA incorporates a novel, very high capacitance cathode system that allows for higher CV designs, well beyond values specified in the MIL-PRF-39006 drawing. TWA products are listed on DSCC 93026 Rev. P, which includes new high capacitance/voltage ratings.

This design includes a welded tantalum can and header assembly that provides a hermetic seal to withstand the harsh shock and vibration requirements of 39006.

Customized capacitance and voltage packages are possible and welcomed. Contact Mouser Electronics about design possibilities beyond those contained in this datasheet.

RoHS Compliant

F 6.35 (0.250)
W 0.64 ±0.05 (0.025) (0.002)
T 2.380 (.094)

DIMENSIONS: mm (in.)

DSCC	AVX	Case Size		L	D	D ¹	E
				+0.79(.031) 0.41(.016)	+0.41(.016)		±6.35(.250)
T1	A			11.51 (.453)	4.78 (.188)	5.56 (.219)	38.10 (1.500)
T2	B			16.28 (.641)	7.14 (.281)	7.92 (.312)	57.15 (2.250)
T3	D			19.46 (.766)	9.52 (.375)	10.31 (.406)	57.15 (2.250)
T4	E			26.97 (1.062)	9.52 (.375)	10.31 (.406)	57.15 (2.250)

MOUSER STOCK NO.	AVX Part No.	Volt	Value (µF)	Tol. ± %	Case Size	ESR max (Ω) @ 120kHz	DC Leakage max (µA) +25°C	AC Ripple (mA rms) 85°C at 40kHz	Price Each			
									1	5	20	40
581-TWAB567K25CBSZ	TWAB567K025CBSZ0000	25	560	10	B	0.83	2	2100				
581-TWAD128K25CBSZ	TWAD128K025CBSZ0000	25	1200	10	D	0.65	5	2600				
581-TWAE188K25CBSZ	TWAE188K025CBSZ0000	25	1800	10	E	0.5	6	3100				
581-TWAE228K25CBSZ	TWAE228K025CBSZ0000	25	2200	10	E	0.5	10	3200				
581-TWAB477K30CBSZ	TWAB477K030CBSZ0000	30	470	10	B	0.85	2	1800				
581-TWAD108K30CBSZ	TWAD108K030CBSZ0000	30	1000	10	D	0.7	7	2500				
581-TWAE158K30CBSZ	TWAE158K030CBSZ0000	30	1500	10	E	0.6	12	3000				
581-TWAA686K50CBSZ	TWAA686K050CBSZ0000	50	68	10	A	1.5	1	1050				
581-TWAB227K50CBSZ	TWAB227K050CBSZ0000	50	220	10	B	0.9	2	1800				
581-TWAD477K50CBSZ	TWAD477K050CBSZ0000	50	470	10	D	0.75	3	2100				
581-TWAE687K50CBSZ	TWAE687K050CBSZ0000	50	680	10	E	0.7	5	2750				
581-TWAA476K60CBSZ	TWAA476K060CBSZ0000	60	47	10	A	2	1	1050				
581-TWAB157K60CBSZ	TWAB157K060CBSZ0000	60	150	10	B	1.1	2	1650				
581-TWAD397K60CBSZ	TWAD397K060CBSZ0000	60	390	10	D	0.9	3	2100				
581-TWAE567K60CBSZ	TWAE567K060CBSZ0000	60	560	10	E	0.8	5	2750				
581-TWAE108K60CBSZ	TWAE108K060CBSZ0000	60	1000	10	E	1	12	3200				
581-TWAA336K75CBSZ	TWAA336K075CBSZ0000	75	33	10	A	2.5	1	1050				
581-TWAB117K75CBSZ	TWAB117K075CBSZ0000	75	110	10	B	1.3	2	1650				
581-TWAD337K75CBSZ	TWAD337K075CBSZ0000	75	330	10	D	1	3	2100				
581-TWAE477K75CBSZ	TWAE477K075CBSZ0000	75	470	10	E	0.9	5	2750				
581-TWAA156K100CBSZ	TWAA156K100CBSZ0000	100	15	10	A	3.5	1	1050				
581-TWAB686K100CBSZ	TWAB686K100CBSZ0000	100	68	10	B	2.1	2	1650				
581-TWAD157K100CBSZ	TWAD157K100CBSZ0000	100	150	10	D	1.6	3	2100				
581-TWAE227K100CBSZ	TWAE227K100CBSZ0000	100	220	10	E	1.2	5	2750				
581-TWAB476K125CBSZ	TWAB476K125CBSZ0000	125	47	10	B	2.3	2	1650				
581-TWAD107K125CBSZ	TWAD107K125CBSZ0000	125	100	10	D	1.8	3	2100				
581-TWAE157K125CBSZ	TWAE157K125CBSZ0000	125	150	10	E	1.6	5	2750				

VISHAY Wet Tantalum Capacitors



VISHAY T16 SERIES

DIMENSIONS: in. (mm)				
0.0253 ± 0.002 [0.64 ± 0.05] dia. (no. 22 AWG) tinned nickel leads solderable and weldable				
Case Code	D	L1	L2 (max.)	E
Type T16 ST				
D T4	0.375±0.016 (9.53±0.41)	1.062±0.031/-0.016 (26.97±0.79/-0.41)	1.343 (34.11)	2.250±0.250 (57.15±6.35)



MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size	Tol. ± %	Price Each			
Mfr.	Mfr. Part No.					1	10	20	50
74	T16D687K050EZSS	50	680	D	10				
74	T16D567K060EZSS	60	560	D	10				
74	T16D477K075EZSS	75	470	D	10				
74	T16D227K100EZSS	100	220	D	10				
74	T16D157K125EZSS	125	150	D	10				

VISHAY M34/M35 SURFACE MOUNT WET TANTALUM CAPACITORS

M34 and M35 wet tantalum electrolytic chip capacitors incorporate the advantages of all the varieties of electrolytic capacitors and eliminate most of the disadvantages. They have a higher ripple current capability than any other electrolytic type with similar combinations of capacitance and case size.

Features:

- Very low ESR
- High ripple current capability
- Transient reverse voltage capability
- Low DCL

Specifications:

- Operating Temperature: -55°C to +85°C
- Life Test: Capacitors shall be capable of withstanding a 2000 h life test at 85°C at rated voltage
- Termination: A = 100% Tin (RoHS Compliant)
B = Tin/Lead

NEW! TECHNOLOGY

DIMENSIONS: in.					
L(Max.)	W	H	P(Min.)	T _w	T _H (Min.)
21.2	8 ± 0.3	7.5 ± 0.3	3.0	6.0 ± 0.3	1.9

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size	Tol. ± %	Price Each			
Mfr.	Mfr. Part No.					1	5	10	20
74	M34C107K030AZSS	30	100	C	10				
74	M34C107K030BZSS	30	100	C	10				
74	M34C686K050BZSS	50	68	C	10				
74	M34C476K060AZSS	60	47	C	10				
74	M34C476K060BZSS	60	47	C	10				
74	M34C336K075BZSS	75	33	C	10				
74	M34C156K100BZSS	100	15	C	10				
74	M34C106K125AZSS	125	10	C	10				
74	M34C106K125BZSS	125	10	C	10				
74	M35C276K060AZSS	60	27	C	10				

Wet Tantalum Caps

VISHAY 135D WET TANTALUM CAPACITORS

DIMENSIONS: in. (mm)				
0.0253±0.002 [0.64±0.05] Dia. (No. 22 AWG) Tinned Nickel Leads Solderable and Weldable				

Case Code	D	L1	L2	E	Weight in Grams (Max.)
Type 135D CLR 79/81 Equiv.					
C T1	0.188±0.016 (4.78±0.41)	0.453 +0.031-0.016 (11.51 +0.79-0.41)	0.734 (18.64)	1.500±0.250 (38.10±6.35)	2.6
F T2	0.281±0.016 (7.14±0.41)	0.641 +0.031 -0.016 (16.28 +0.79-0.41)	0.922 (23.42)	2.250±0.250 (57.15±6.35)	6.2
T T3	0.375±0.016 (9.53±0.41)	0.766 +0.031-0.016 (19.46 +0.79-0.41)	1.047 (26.59)	2.250±0.250 (57.15±6.35)	11.6
K T4	0.375±0.016 (9.53±0.41)	1.062 +0.031-0.016 (26.97 +0.79-0.41)	1.343 (34.11)	2.250±0.250 (57.15±6.35)	17.7

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size	Tol. ± %	Price Each			
Mfr.	Mfr. Part No.					1	5	10	20
74	135D127X0010C6	10	120	C	20				
74	135D107X9015C6	15	100	C	10				
74	135D107X0015C6	15	100	C	20				
74	135D277X0015F6	15	270	F	20				
74	135D226X0025C6	25	22	C	20				
74	135D566X9025C6	25	56	C	10				
74	135D566X0025C6	25	56	C	20				
74	135D686X9025C6	25	68	C	10				
74	135D107X9025F6	25	100	F	10				
74	135D277X0025F6	25	270	F	20				
74	135D476X0030C6	30	47	C	20				
74	135D566X0030C6	30	56	C	20				

Vishay

VISHAY 109D WET TANTALUM CAPACITORS

DIMENSIONS: in.				
.250 max. → L max. → ø.025, Tinned Solderable Leads				

Case Size	With Plastic-Film Insulating Sleeve		Lead Length ± .250
	D ± 0.016 (Max.)	L (Max.)	
C	.219	.608	1.500
F	.312	.796	2.250
T	.406	.921	2.250
K	.406	1.217	2.250

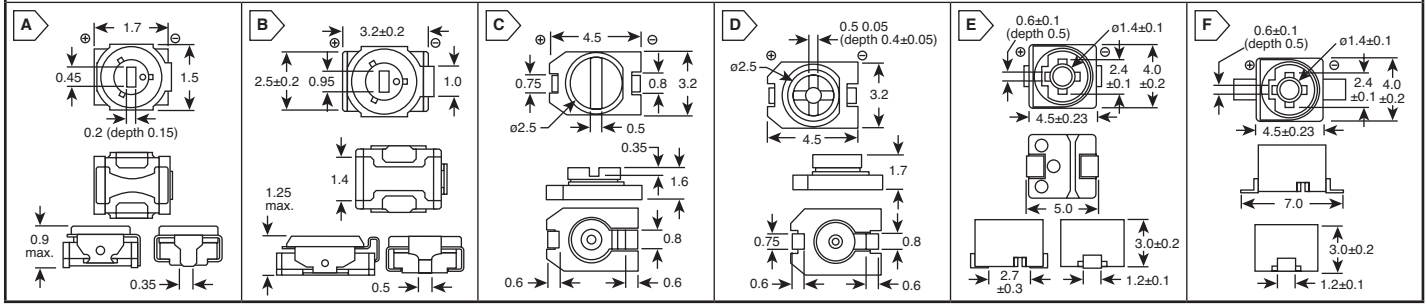
MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size	Price Each			
Mfr.	Mfr. Part No.				1	5	10	20
74	109D567X9010F2	10	560	F				
74	109D108X9010T2	10	1000	T				
74	109D107X9015C2	15	100	C				
74	109D397X9015F2	15	390	F				
74	109D827X9015T2	15	820	T				
74	109D226X9025C2	25	22	C				
74	109D107X9025F2	25	100	F				
74	109D277X9025F2	25	270	F				
74	109D567X9025T2	25	560	T				
74	109D687X9025K2	25	680	K				
74	109D156X9030C2	30	15	C				

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size	Tol. ± %	Price Each			
Mfr.	Mfr. Part No.					1	5	10	20
74	109D157X9030F2	30	150	F	20				
74	109D187X9030F2	30	180	F	20				
74	109D227X9030F2	30	220	F	20				
74	109D337X9030T2	30	330	T	20				
74	109D477X9030T2	30	470	T	20				
74	109D106X9050C2	50	10	C	20				
74	109D336X9050C2	50	33	C	20				
74	109D476X9050F2	50	47	F	20				
74	109D127X9050F2	50	120	F	20				
74	109D277X9050T2	50	270	T	20				
74	109D337X9050K2	50	330	K	20				
74	109D686X9060F2	60	68	F	20				
74	109D107X9060F2	60	100	F	20				
74	109D227X9060T2	60	220	T	20				
74	109D156X9075C2	75	15	C	20				
74	109D226X9075C2	75	22	C	20				
74	109D336X9075F2	75	33	F	20				
74	109D406X9075T2	75	40	T	20				
74	109D476X9075F2	75	47	F	20				
74	109D566X9075F2	75	56	F	20				
74	109D826X9075F2	75	82	F	20				
74	109D117X9075T2	75	110	T	20				
74	109D187X9075T2	75	180	T	20				
74	109D475X9100C2	100	4.7	C	20				
74	109D106X9100C2	100	10	C	20				
74	109D226X9100F2	100	22	F	20				
74	109D396X9100F2	100	39	F	20				
74	109D686X9100T2	100	68	T	20				

MURATA Lead Free SMD Ceramic Trimmer Capacitors



DIMENSIONS: mm



TZR1 SERIES

Features:

Unique construction with no plastic material provides superior soldering heat resistance to maintain excellent characteristic performance after reflow soldering. Suitable for high frequency circuit due to high self resonant frequency.

Specifications:

- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000MΩ min.
- Torque: 0.1 to 1.0mNm

MOUSER STOCK NO.	Murata Part No.	Fig.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstanding Voltage	Price Each			Reel Qty.	Price Each
									1	50	100		
81-TZR1Z1R5A001R00	TZR1Z1R5A001R00	A	0.7	1.5 +100/-0%	NP0 ± 300	200 Min. @ 200MHz Cmax	25Vdc	55Vdc				3000	
81-TZR1Z040A001R00	TZR1Z040A001R00	A	1.5	4.0 +100/-0%	NP0 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc				3000	
81-TZR1R080A001R00	TZR1R080A001R00	A	3.0	8.0 +100/-0%	N750 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc				3000	

TZY2 SERIES

Features:

New shape of cover can improve the flux invasion compared with current products. Improvement of the adhesion between rotor and stator leads to superior stability. Unique construction with no plastic material provides superior soldering heat resistance to maintain excellent characteristic performance after reflow soldering. Suitable for high frequency circuit due to high self resonant frequency.

Specifications:

- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000MΩ min.
- Torque: 0.5 to 5.0mNm

MOUSER STOCK NO.	Murata Part No.	Fig.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstanding Voltage	Stator/Case Color	Price Each	Reel Qty.	Price Each
81-TZY2Z010A001R00	TZY2Z010A001R00	B	0.5	1.0 +100/-0%	NP0 ± 300	200 Min. @ 200MHz Cmax	25Vdc	55Vdc			2000	
81-TZY2Z2R5A001R00	TZY2Z2R5A001R00	B	0.7	2.5 +100/-0%	NP0 ± 300	200 Min. @ 100MHz Cmax	25Vdc	55Vdc			2000	
81-TZY2Z030A001R00	TZY2Z030A001R00	B	1.5	3.0 +100/-0%	NP0 ± 300	300 Min. @ 1MHz Cmax	25Vdc	55Vdc			2000	
81-TZY2Z060A001R00	TZY2Z060A001R00	B	2.5	6.0 +100/-0%	NP0 ± 300	500 Min. @ 1MHz Cmax	25Vdc	55Vdc			2000	
81-TZY2Z100A001R00	TZY2Z100A001R00	B	3.0	10.0 +100/-0%	NP0 ± 300	500 Min. @ 1MHz Cmax	25Vdc	55Vdc			2000	
81-TZY2R200A001R00	TZY2R200A001R00	B	4.5	20.0 +100/-0%	N750 ± 500	500 Min. @ 1MHz Cmax	25Vdc	55Vdc			2000	
81-TZY2R250A001R00	TZY2R250A001R00	B	5.5	25.0 +100/-0%	N750 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc			2000	
81-TZY2K450A001R00	TZY2K450A001R00	B	8.0	45.0 +100/-0%	N1000 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc			2000	

TZC3 SERIES

Features:

Color coded stator permits easy identification of capacitance and reduces mounting errors. Can be adjusted with conventional adjustment tools having a thickness of 0.5mm. Designed for automatic placement in surface mount applications. Heat resistant resin withstands reflow soldering temperature.

Specifications:

- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000MΩ min.
- Torque: 1.5 to 10.0mNm

MOUSER STOCK NO.	Murata Part No.	Fig.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstand Voltage	Stator/Case Color	Price Each			Reel Qty.	Price Each
										1	50	100		
81-TZC3Z030A110R00	TZC3Z030A110R00	C	1.4	3.0 +50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown			1000		
81-TZC3Z060A110R00	TZC3Z060A110R00	C	2.0	6.0 +50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue			1000		
81-TZC3R100A110R00	TZC3R100A110R00	C	3.0	10.0 +50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White			1000		
81-TZC3P200A110R00	TZC3P200A110R00	C	5.0	20.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red			1000		
81-TZC3P300A110R00	TZC3P300A110R00	C	6.5	30.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green			1000		
81-TZC3Z060A310R00	TZC3Z060A310R00	D	2.0	6.0 +50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue			1000		
81-TZC3R100A310R00	TZC3R100A310R00	D	3.0	10.0 +50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White			1000		
81-TZC3P300A310R00	TZC3P300A310R00	D	6.5	30.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green			1000		

TZB4 SERIES

Features:

Color coded case facilitates identification of capacitance range. Designed for automatic placement in surface mount applications.

Specifications:

- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000MΩ min.
- Torque: 1.5 to 10.0mNm

MOUSER STOCK NO.	Murata Part No.	Fig.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstand Voltage	Stator/Case Color	Price Each	Reel Qty.	Price Each
81-TZB4Z030AA10R00	TZB4Z030AA10R00	E	1.4	3.0 +50/-0%	NP0 ± 200	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown		500	
81-TZB4Z060AA10R00	TZB4Z060AA10R00	E	2.0	6.0 +50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue		500	
81-TZB4Z100AA10R00	TZB4Z100AA10R00	E	3.0	10.0 +50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White		500	
81-TZB4Z250AA10R00	TZB4Z250AA10R00	E	4.0	25.0 +50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark		500	
81-TZB4R200AA10R00	TZB4R200AA10R00	E	4.5	20.0 +50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red		500	
81-TZB4P300AA10R00	TZB4P300AA10R00	E	6.5	30.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green		500	
81-TZB4R500AA10R00	TZB4R500AA10R00	E	7.0	50.0 +50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark		500	
81-TZB4P400AA10R00	TZB4P400AA10R00	E	8.5	40.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Yellow		500	
81-TZB4Z030BA10R00	TZB4Z030BA10R00	F	1.4	3.0 +50/-0%	NP0 ± 200	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown		500	
81-TZB4Z060BA10R00	TZB4Z060BA10R00	F	2.0	6.0 +50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue		500	
81-TZB4Z100BA10R00	TZB4Z100BA10R00	F	3.0	10.0 +50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White		500	
81-TZB4Z250BA10R00	TZB4Z250BA10R00	F	4.0	25.0 +50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark		500	
81-TZB4R200BA10R00	TZB4R200BA10R00	F	4.5	20.0 +50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red		500	
81-TZB4P300BA10R00	TZB4P300BA10R00	F	6.5	30.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green		500	
81-TZB4R500BA10R00	TZB4R500BA10R00	F	7.0	50.0 +50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark		500	
81-TZB4P400BA10R00	TZB4P400BA10R00	F	8.5	40.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Yellow		500	
81-TZB4Z060AB10R00	TZB4Z060AB10R00	E	2.0	6.0 +50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue		500	
81-TZB4Z100AB10R00	TZB4Z100AB10R00	E	3.0	10.0 +50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White		500	
81-TZB4Z250AB10R00	TZB4Z250AB10R00	E	4.0	25.0 +50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark		500	
81-TZB4R200AB10R00	TZB4R200AB10R00	E	4.5	20.0 +50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red		500	
81-TZB4P300AB10R00	TZB4P300AB10R00	E	6.5	30.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green		500	
81-TZB4R500AB10R00	TZB4R500AB10R00	E	7.0	50.0 +50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark		500	
81-TZB4Z060BB10R00	TZB4Z060BB10R00	F	2.0	6.0 +50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue		500	
81-TZB4Z100BB10R00	TZB4Z100BB10R00	F	3.0	10.0 +50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White		500	
81-TZB4Z250BB10R00	TZB4Z250BB10R00	F	4.0	25.0 +50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark		500	
81-TZB4R200BB10R00	TZB4R200BB10R00	F	4.5	20.0 +50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red		500	
81-TZB4R500BB10R00	TZB4R500BB10R00	F	7.0	50.0 +50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark		500	

SPRAGUE GOODMAN Trimmer Capacitors



FILMTRIM® PLASTIC DIELECTRIC TRIMMER CAPACITORS, 8MM GYA SERIES, 10MM GYC AND GZC SERIES



- Features:**
- Low cost for commercial/industrial applications
 - Top and bottom adjustable
 - Linear capacitance change vs. rotation
 - Typical applications: mobile radios, transmitters, pagers, electronic games, wireless security and fire alarms, and CATV

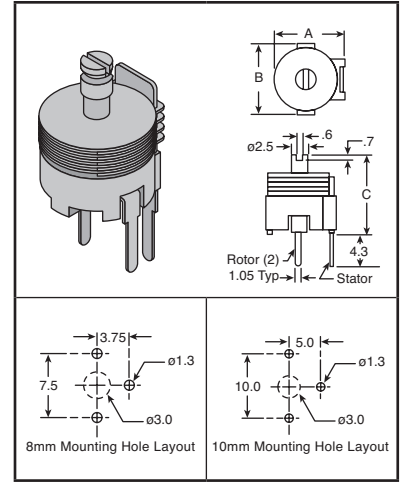
Specifications:

- Voltage rating: 100 VDC
- Dielectric withstanding voltage: 200 VDC
- Contact resistance: 0.010Ω max
- Insulation resistance: 10⁶ MΩ min
- Operating temperature: GYA, GYC: -40°C to +70°C GZC: -40°C to +85°C
- Torque: GYA series: 15-250 g-cm (0.21-3.5 oz-in)
GYC, GZC series: 15-360 g-cm (0.20-5.0 oz-in)
- Dielectric construction: GYA, GYC: Polypropylene
GZC: Polycarbonate

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Cap. Range (pF)		Q Factor @ 1MHz	TCC (ppm/°C)	Dimensions: mm			Color Code	Price Each		
Mfr.	Mfr. Part No.	Min	Max			A	B	C		1	10	100
8mm												
659	—GYA5R000	1.6	5.0	1000	0±300	8.5	7.7	10.2	Clear			
659	—GYA10000	2.0	10.0	1000	0±300	8.5	7.7	10.2	Yellow			
659	—GYA15000	2.0	15.0	1000	0±400	8.5	7.7	10.2	Blue			
659	—GYA22000	2.2	22.0	1000	0±400	8.5	7.7	10.2	Green			
659	—GYA27000	2.3	27.0	1000	0±350	8.5	7.7	10.2	Red			
659	—GYA36000	3.0	36.0	1000	0±300	8.5	7.7	10.2	Violet			
10mm												
659	—GYC15000	2.0	15.0	1000	0±400	11	10.2	10.2	Blue			
659	—GYC20000	3.0	20.0	1000	0±400	11	10.2	10.2	Green			
659	—GYC40000	3.5	40.0	1000	0±350	11	10.2	10.2	Clear			
659	—GYC65000	4.5	65.0	1000	0±350	11	10.2	10.2	Yellow			
659	—GZC80000	8.0	80.0	200	0±200	11	10.2	10.2	Red			
659	—GZC10100	9.0	100.0	200	0±400	11	10.2	11.4	Violet			
659	—GZC12100	9.0	120.0	200	0±350	11	10.2	11.4	Orange			
659	—GZC15100	10.0	150.0	200	0±350	11	10.2	12.0	Orange			
659	—GZC18100	12.0	180.0	200	0±350	11	10.2	12.0	Orange			

DIMENSIONS: mm



Trimmer Capacitors

Sprague Goodman



AIRTRIM® GAA SERIES MULTI-TURN TRIMMER CAPACITORS

- Features:**
- Multiple mounting styles, including surface mount
 - Excellent stability
 - Multi-turn resolution
 - High Q

Specifications:

- Operating temperature range: -65°C to +125°C
- Voltage rating: 250 VDC
- Test voltage: 500 VDC
- Insulation resistance: >10⁶ MΩ min.
- Contact resistance: < 0.01Ω
- Torque: .35 to 3.5pF: 0.3 to 3.0 oz-in (22 to 216 g-cm)
.6 to 6.0pF: 0.4 to 4.0 oz-in (29 to 288 g-cm)
1.0 to 16pF: 0.5 to 5.0 oz-in (36 to 360 g-cm)
- Q factor: > 5000 @ 100MHz

Applications:
Designed for VHF, UHF and microwave applications: amplifiers, oscillators, filters, radar, cable TV, mobile radios, and RF applications. Suitable for military and aerospace environments.

0.35-3.5 pF Capacitance Range

*Round nut

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions: mm					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	10	50
659	—GAA3R505	A	0.28	0.21	0.24	0.16	0.15	±30			
659	—GAA3R512	B	0.28	0.21	0.11	0.16	0.40	±30			
659	—GAA3R513	C	0.28	0.21	0.25	0.16	0.22	±30			
659	—GAA3R514	D	0.28	0.21	0.10	0.16	---	±30			

0.6-6.0 pF Capacitance Range

*Round nut

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions: mm					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	10	50
659	—GAA6R001	E	0.27	0.21	0.08	0.24	---	±15			
659	—GAA6R005	A	0.29	0.19	0.25	0.24	0.20	±15			
659	—GAA6R012	B	0.29	0.19	0.11	0.24	0.40	±15			
659	—GAA6R014	D	0.29	0.19	0.10	0.24	---	±15			

1.0-10.0 pF Capacitance Range

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions: mm					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	10	50
659	—GAA10002	F	0.30	0.20	0.06	0.30	---	±15			
659	—GAA10004	G	0.31	0.19	0.30	0.30	0.31	±15			
659	—GAA10005	A	0.31	0.19	0.29	0.30	0.20	±15			
659	—GAA10006	H	0.31	0.19	0.11	0.30	0.44	±15			
659	—GAA10009	I	0.31	0.19	0.10	0.30	---	±15			

1.0-14.0 pF Capacitance Range

For quantities greater than listed, call for quote.

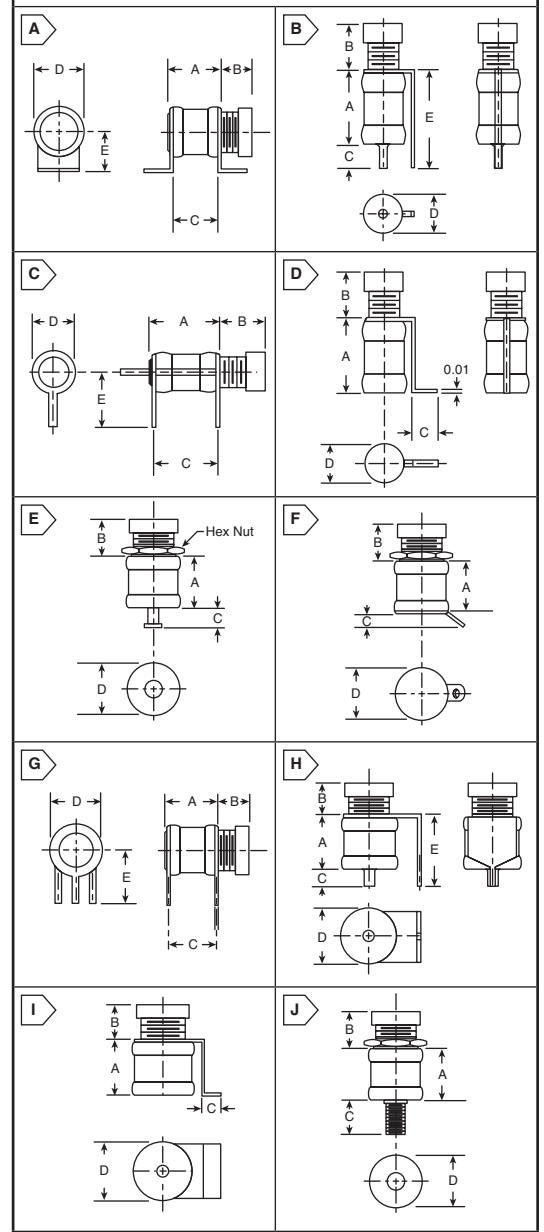
MOUSER STOCK NO.		Fig.	Dimensions: mm					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	10	50
659	—GAA14001	E	0.30	0.20	0.11	0.30	---	±15			
659	—GAA14004	G	0.31	0.19	0.30	0.30	0.31	±15			
659	—GAA14006	H	0.31	0.19	0.11	0.30	0.44	±15			
659	—GAA14009	I	0.31	0.19	0.10	0.30	---	±15			

2.0-16.0 pF Capacitance Range

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions: mm					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	10	50
659	—GAA16001	E	0.30	0.20	0.11	0.30	---	±15			
659	—GAA16003	J	0.30	0.20	0.20	0.30	---	±15			
659	—GAA16004	G	0.31	0.19	0.30	0.30	0.31	±15			
659	—GAA16005	A	0.31	0.19	0.29	0.30	0.20	±15			
659	—GAA16006	H	0.31	0.19	0.11	0.30	0.44	±15			
659	—GAA16009	I	0.31	0.19	0.10	0.30	---	±15			

DIMENSIONS: in.



VOLTRONICS SMD Multi-Turn & Half-Turn Trimmer Capacitors



Voltronics Corporation is the world's leader in the design and manufacture of precision trimmer capacitors. Voltronics combines engineering know-how with leading edge technology and offers a variety of dielectrics that are suitable for applications from 1MHz to over 2GHz and voltages up to 20,000 VDC.

MULTI-TURN TRIMMER CAPACITORS

A1 SERIES

The Voltronics A1 Series high reliability solid dielectric trimmer capacitor is an ideal, economical replacement for conventional miniature air and sapphire dielectric trimmers. High reliability solid PTFE dielectric, positive tuning stops and up to 13 full turns of linear turning make the A1 Series an outstanding performer. 40 psi sealed, high voltage and non-magnetic versions are readily available.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Voltronics Part No.	Fig.	Cap. Range (pF)		Working Voltage	Withstanding Voltage	Q	Price Each		
			Min.	Max.				1	10	50
768-A1J4	A1J4	A	0.5	4.0	250	500	4000 @ 100MHz			
768-A1J8	A1J8	A	0.5	8.0	125	250	3000 @ 100MHz			
768-A1J12	A1J12	B	0.6	12.0	125	250	2000 @ 100MHz			

A4 SERIES

The A4 Series unique design using minimal parts simplifies the manufacturing process to effect one of the most economical high performance trimmer capacitors available in the industry. Also offers a high reliability solid PTFE dielectric, positive tuning stops and up to 5 full turns of linear tuning in the shortest length of any similar trimmer capacitor. It is an ideal choice for tuning and impedance matching high frequency and high power amplifier circuits.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Voltronics Part No.	Fig.	Cap. Range (pF)		Working Voltage	Withstanding Voltage	Q	Price Each		
			Min.	Max.				1	10	50
768-A4M3	A4M3	C	0.5	3.0	125	250	3000 @ 100MHz			
768-A4M5	A4M5	D	0.6	5.0	125	250	2000 @ 100MHz			

P SERIES

Voltronics "P" line of sapphire subminiature trimmer capacitors is a unique design. The trimmers have high Q, zero temperature coefficient, and are internally O-ring sealed to keep out flux and cleaning fluid. Yet, sizes are the same as the MIL unsealed styles. The tuning screw does not move in and out, and RF current does not run along it. Sapphire is ideal for precision trimmer capacitors. Its dielectric constant does not change with frequency, and its loss constant is extremely stable, measuring below 0.0003 up to 10 GHz. Sapphire is chemically inert, totally moisture resistant, and mechanically strong.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Voltronics Part No.	Fig.	Cap. Range (pF)		Working Voltage	Withstanding Voltage	Q	Price Each		
			Min.	Max.				1	10	50
768-P3F	P3F	E	0.6	2.5	500	1000	4000 @ 250MHz			
768-P5F	P5F	E	0.6	4.5	500	1000	3000 @ 250MHz			
768-P8F	P8F	E	0.8	8.0	500	1000	1500 @ 250MHz			
768-P5J	P5J	F	0.6	4.5	500	1000	3000 @ 250MHz			

HALF-TURN CERAMIC TRIMMER CAPACITORS

JN SERIES

Features:

- Operating Temperature: -25°C to +85°C
- Torque: .014 to .14 in-oz
- Insulation Resistance: 10⁴ MΩ



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Voltronics Part No.	Fig.	Cap. Range (pF)		Working Voltage	Withstanding Voltage	Q	Price Each		
			Min.	Max.				1	10	100
768-JN010	JN010	G	0.6	1.0	25	55	500 @ 1MHz			
768-JN040	JN040	G	1.5	4.0	25	55	300 @ 1MHz			
768-JN080	JN080	G	3.0	8.0	25	55	300 @ 1MHz			

JR SERIES

Features:

- Operating Temperature: -40°C to +85°C
- Torque: 0.6 in-oz max.
- Insulation Resistance: 10⁴ MΩ



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Voltronics Part No.	Fig.	Cap. Range (pF)		Working Voltage	Withstanding Voltage	Q	Price Each		
			Min.	Max.				1	10	100
768-JR030	JR030	H	1.5	3.0	100	220	500 @ 1MHz			
768-JR060	JR060	H	2.0	6.0	100	220	1000 @ 1MHz			
768-JR080	JR080	H	3.0	8.0	100	220	1500 @ 1MHz			
768-JR100	JR100	H	2.0	10.0	100	220	1500 @ 1MHz			
768-JR150	JR150	H	3.0	15.0	100	220	1500 @ 1MHz			
768-JR200	JR200	H	4.5	20.0	100	220	1500 @ 1MHz			
768-JR300	JR300	H	5.5	30.0	100	220	1500 @ 1MHz			
768-JR400	JR400	H	8.0	40.0	100	220	1500 @ 1MHz			

JZ SERIES

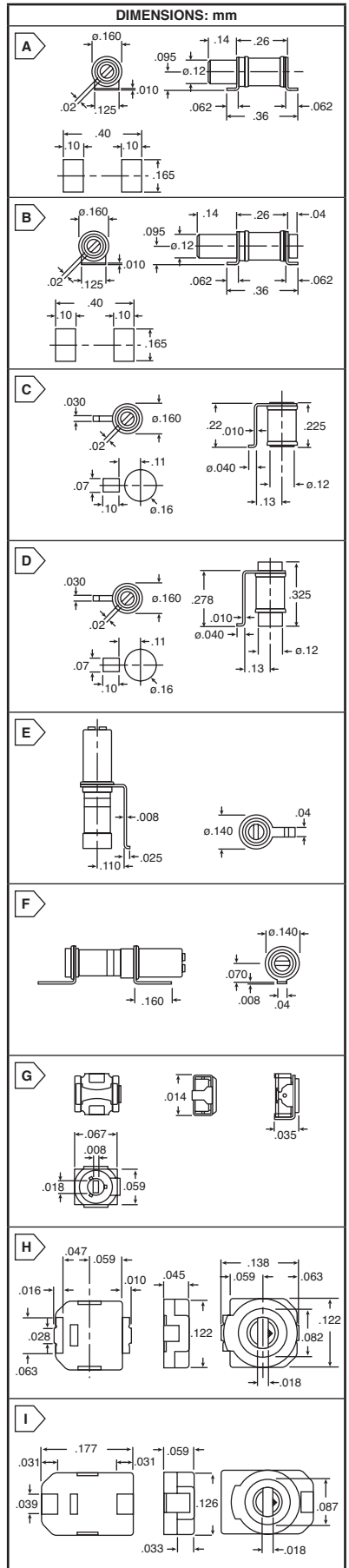
Features:

- Operating Temperature: -40°C to +85°C
- Torque: 0.14 to 1.0 in-oz
- Insulation Resistance: 10⁴ MΩ



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Voltronics Part No.	Fig.	Cap. Range (pF)		Working Voltage	Withstanding Voltage	Q	Price Each		
			Min.	Max.				1	10	100
768-JZ030	JZ030	I	1.5	3.0	100	220	500 @ 1MHz			
768-JZ060	JZ060	I	2.0	6.0	100	220	1000 @ 1MHz			
768-JZ080	JZ080	I	3.0	8.0	100	220	1500 @ 1MHz			
768-JZ100	JZ100	I	2.0	10.0	100	220	1500 @ 1MHz			
768-JZ150	JZ150	I	3.0	15.0	100	220	1500 @ 1MHz			
768-JZ200	JZ200	I	4.5	20.0	100	220	1500 @ 1MHz			

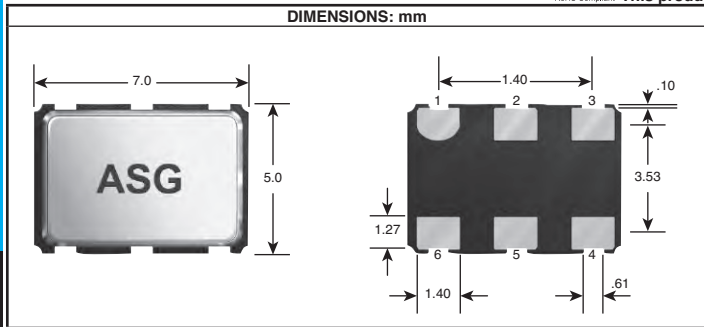


Trimmer Capacitors
Voltronics

ABRACON Programmable Oscillators



This product is RoHS compliant.



Pin Number	Pin Description For VCXO Configuration
1	Voltage Control for VCXO
2	Output Enable (OE)
3	GND
4	RF Output
5	RF Output
6	Vdd

Pin Number	Pin Description For XO Configuration
1	Output Enable (OE)
2	N/C for XO
3	GND
4	RF Output
5	RF Output
6	Vdd

ASG-D SERIES PROGRAMMABLE - HIGH PERFORMANCE SMD XO AND VCXO

- Features:**
- ASG series is a High Performance crystal based oscillator; available either as an XO or a VCXO
 - LVC MOS output, 10MHz to 250MHz
 - LVDS output, 10MHz to 1.50GHz
 - LVPECL output, 10MHz to 1.50GHz
 - Offered with either 2.50V or 3.30V bias voltage

Fixed Oscillators

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
2.5 Volts						
815-ASGDXB1G	ASG-D-X-B-1.000GHz	1.000				
815-ASGDXB1.24416G	ASG-D-X-B-1.24416GHz	1.244				
815-ASGDXB1.5G	ASG-D-X-B-1.500GHz	1.500				
815-ASGDXB212.5	ASG-D-X-B-212.500MHz	212.500				
815-ASGDXB320	ASG-D-X-B-320.000MHz	320.000				
815-ASGDXB491.52	ASG-D-X-B-491.52MHz	491.520				
815-ASGDXB500	ASG-D-X-B-500.000MHz	500.000				
815-ASGDXB622.08	ASG-D-X-B-622.08MHz	622.080				
3.3 Volts						
815-ASGDXA1G	ASG-D-X-A-1.000GHz	1.000				
815-ASGDXA1.24416G	ASG-D-X-A-1.24416GHz	1.244				
815-ASGDXA1.5G	ASG-D-X-A-1.500GHz	1.500				
815-ASGDXA212.5	ASG-D-X-A-212.500MHz	212.500				
815-ASGDXA320	ASG-D-X-A-320.000MHz	320.000				
815-ASGDXA491.52	ASG-D-X-A-491.52MHz	491.520				
815-ASGDXA500	ASG-D-X-A-500.000MHz	500.000				
815-ASGDXA622.08	ASG-D-X-A-622.08MHz	622.080				

VCXO

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
2.5 Volts						
815-ASGDVB1G	ASG-D-V-B-1.000GHz	1.000				
815-ASGDVB1.24416G	ASG-D-V-B-1.24416GHz	1.244				
815-ASGDVB1.5G	ASG-D-V-B-1.500GHz	1.500				
815-ASGDVB100	ASG-D-V-B-100.000MHz	100.000				
815-ASGDVB106.25	ASG-D-V-B-106.250MHz	106.250				
815-ASGDVB122.88	ASG-D-V-B-122.880MHz	122.880				
815-ASGDVB125	ASG-D-V-B-125.000MHz	125.000				
815-ASGDVB155.52	ASG-D-V-B-155.52MHz	155.520				
815-ASGDVB156.25	ASG-D-V-B-156.250MHz	156.250				
815-ASGDVB200	ASG-D-V-B-200.000MHz	200.000				
815-ASGDVB212.5	ASG-D-V-B-212.500MHz	212.500				
815-ASGDVB320	ASG-D-V-B-320.000MHz	320.000				
815-ASGDVB491.52	ASG-D-V-B-491.52MHz	491.520				
815-ASGDVB500	ASG-D-V-B-500.000MHz	500.000				
815-ASGDVB622.08	ASG-D-V-B-622.08MHz	622.080				
3.3 Volts						
815-ASGDVA1G	ASG-D-V-A-1.000GHz	1.000				
815-ASGDVA1.24416G	ASG-D-V-A-1.24416GHz	1.244				
815-ASGDVA1.5G	ASG-D-V-A-1.500GHz	1.500				
815-ASGDVA100	ASG-D-V-A-100.000MHz	100.000				
815-ASGDVA106.25	ASG-D-V-A-106.250MHz	106.250				
815-ASGDVA122.88	ASG-D-V-A-122.880MHz	122.880				
815-ASGDVA125	ASG-D-V-A-125.000MHz	125.000				
815-ASGDVA155.52	ASG-D-V-A-155.52MHz	155.520				
815-ASGDVA156.25	ASG-D-V-A-156.250MHz	156.250				
815-ASGDVA200	ASG-D-V-A-200.000MHz	200.000				
815-ASGDVA212.5	ASG-D-V-A-212.500MHz	212.500				
815-ASGDVA320	ASG-D-V-A-320.000MHz	320.000				
815-ASGDVA491.52	ASG-D-V-A-491.52MHz	491.520				
815-ASGDVA500	ASG-D-V-A-500.000MHz	500.000				
815-ASGDVA622.08	ASG-D-V-A-622.08MHz	622.080				

ASG-P SERIES PROGRAMMABLE - HIGH PERFORMANCE SMD XO AND VCXO

- Features:**
- ASG series is a High Performance crystal based oscillator; available either as an XO or a VCXO
 - LVC MOS output, 10MHz to 250MHz
 - LVDS output, 10MHz to 1.50GHz
 - LVPECL output, 10MHz to 1.50GHz
 - Offered with either 2.50V or 3.30V bias voltage

Fixed Oscillators

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
2.5 Volts						
815-ASGPXB1G	ASG-P-X-B-1.000GHz	1.000				
815-ASGPXB1.24416G	ASG-P-X-B-1.24416GHz	1.244				
815-ASGPXB1.5G	ASG-P-X-B-1.500GHz	1.500				
815-ASGPXB212.5	ASG-P-X-B-212.500MHz	212.500				
815-ASGPXB320	ASG-P-X-B-320.000MHz	320.000				
815-ASGPXB491.52	ASG-P-X-B-491.52MHz	491.520				
815-ASGPXB500	ASG-P-X-B-500.000MHz	500.000				
815-ASGPXB622.08	ASG-P-X-B-622.08MHz	622.080				
3.3 Volts						
815-ASGPXA1G	ASG-P-X-A-1.000GHz	1.000				
815-ASGPXA1.24416G	ASG-P-X-A-1.24416GHz	1.244				
815-ASGPXA1.5G	ASG-P-X-A-1.500GHz	1.500				
815-ASGPXA212.5	ASG-P-X-A-212.500MHz	212.500				
815-ASGPXA320	ASG-P-X-A-320.000MHz	320.000				
815-ASGPXA491.52	ASG-P-X-A-491.52MHz	491.520				
815-ASGPXA500	ASG-P-X-A-500.000MHz	500.000				
815-ASGPXA622.08	ASG-P-X-A-622.08MHz	622.080				

VCXO

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
2.5 Volts						
815-ASGPVB1G	ASG-P-V-B-1.000GHz	1.000				
815-ASGPVB1.24416G	ASG-P-V-B-1.24416GHz	1.244				
815-ASGPVB1.5G	ASG-P-V-B-1.500GHz	1.500				
815-ASGPVB100	ASG-P-V-B-100.000MHz	100.000				
815-ASGPVB106.25	ASG-P-V-B-106.250MHz	106.250				
815-ASGPVB122.88	ASG-P-V-B-122.880MHz	122.880				
815-ASGPVB125	ASG-P-V-B-125.000MHz	125.000				
815-ASGPVB155.52	ASG-P-V-B-155.52MHz	155.520				
815-ASGPVB156.25	ASG-P-V-B-156.250MHz	156.250				
815-ASGPVB200	ASG-P-V-B-200.000MHz	200.000				
815-ASGPVB212.5	ASG-P-V-B-212.500MHz	212.500				
815-ASGPVB320	ASG-P-V-B-320.000MHz	320.000				
815-ASGPVB491.52	ASG-P-V-B-491.52MHz	491.520				
815-ASGPVB500	ASG-P-V-B-500.000MHz	500.000				
815-ASGPVB622.08	ASG-P-V-B-622.08MHz	622.080				
3.3 Volts						
815-ASGPVA1G	ASG-P-V-A-1.000GHz	1.000				
815-ASGPVA1.24416G	ASG-P-V-A-1.24416GHz	1.244				
815-ASGPVA1.5G	ASG-P-V-A-1.500GHz	1.500				
815-ASGPVA100	ASG-P-V-A-100.000MHz	100.000				
815-ASGPVA106.25	ASG-P-V-A-106.250MHz	106.250				
815-ASGPVA122.88	ASG-P-V-A-122.880MHz	122.880				
815-ASGPVA125	ASG-P-V-A-125.000MHz	125.000				
815-ASGPVA155.52	ASG-P-V-A-155.52MHz	155.520				
815-ASGPVA156.25	ASG-P-V-A-156.250MHz	156.250				
815-ASGPVA200	ASG-P-V-A-200.000MHz	200.000				
815-ASGPVA212.5	ASG-P-V-A-212.500MHz	212.500				
815-ASGPVA320	ASG-P-V-A-320.000MHz	320.000				
815-ASGPVA491.52	ASG-P-V-A-491.52MHz	491.520				
815-ASGPVA500	ASG-P-V-A-500.000MHz	500.000				
815-ASGPVA622.08	ASG-P-V-A-622.08MHz	622.080				

ABRACON Programmable and MEMS Clock Oscillators



RoHS Compliant This product is RoHS compliant.

MEMSPEED PRO II™ CLOCK OSCILLATOR PROGRAMMER

Features:

- The MEMSpeed Pro II programmer allows users to instantly program Abracon MEMS oscillators to a custom frequency in seconds thru a Microsoft Windows GUI program on a PC
- Abracon MEMSpeed Pro II supports CMOS, LVPECL, LVDS, and HCSL output MEMS oscillators in variety of package sizes
- The oscillators can be programmed over their respective frequency range in increments of 100Hz (up to four decimal point resolution)
- Fully backwards compatible with MEMSpeed Pro Blanks



Socket Adapter Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Kit Includes	Price Each
815-ASDMB-ADAPTER	ASDMB-ADAPTER-KIT	4 pin 2.5x2.0mm socket adapter and 50 unprogrammed 2.5X2.0mm ASDMB oscillators with ±25ppm over -40°C to +85°C	
815-ASEMB-ADAPTER	ASEMB-ADAPTER-KIT	4 pin 3.2x2.5mm socket adapter and 50 unprogrammed 3.2X2.5mm ASEMB oscillators with ±25ppm over -40°C to +85°C	
815-ASEMP-ADAPTER	ASEMP-ADAPTER-KIT	6 pin 3.2x2.5mm socket adapter and 50 unprogrammed 3.2X2.5mm ASEMP oscillators with ±25ppm over -40°C to +85°C	
815-ASEMPHC-ADAPTER	ASEMPHC-ADAPTER-KIT	6 pin 3.2x2.5mm socket adapter and 50 unprogrammed 3.2X2.5mm ASEMPHC HCSL oscillators with ±25ppm over -40°C to +85°C	
815-ASEMPLP-ADAPTER	ASEMPLP-ADAPTER-KIT	6 pin 3.2x2.5mm socket adapter and 50 unprogrammed 3.2X2.5mm ASEMPLP LVPECL oscillators with ±25ppm over -40°C to +85°C	
815-ASEMPLV-ADAPTER	ASEMPLV-ADAPTER-KIT	6 pin 3.2x2.5mm socket adapter and 50 unprogrammed 3.2X2.5mm ASEMPLV LVDS oscillators with ±25ppm over -40°C to +85°C	
815-ASFLMB-ADAPTER	ASFLMB-ADAPTER-KIT	4 pin 5.0x3.2mm socket adapter and 50 unprogrammed 5.0X3.2mm ASFLMB oscillators with ±25ppm over -40°C to +85°C	
815-ASFLMPC-ADAPTER	ASFLMPC-ADAPTER-KIT	6 pin 5.0x3.2mm socket adapter and 50 unprogrammed 5.0X3.2mm ASFLMPC oscillators with ±25ppm over -40°C to +85°C	
815-ASFLMPC-ADAPTER	ASFLMPC-ADAPTER-KIT	6 pin 5.0x3.2mm socket adapter and 50 unprogrammed 5.0X3.2mm ASFLMPC HCSL oscillators with ±25ppm over -40°C to +85°C	
815-ASFLMPLP-ADAPTER	ASFLMPLP-ADAPTER-KIT	6 pin 5.0x3.2mm socket adapter and 50 unprogrammed 5.0X3.2mm ASFLMPLP LVPECL oscillators with ±25ppm over -40°C to +85°C	
815-ASFLMPLV-ADAPTER	ASFLMPLV-ADAPTER-KIT	6 pin 5.0x3.2mm socket adapter and 50 unprogrammed 5.0X3.2mm ASFLMPLV LVDS oscillators with ±25ppm over -40°C to +85°C	
815-ASVMB-ADAPTER	ASVMB-ADAPTER-KIT	4 pin 7.0x5.0mm socket adapter and 50 unprogrammed 7.0X5.0mm ASVMB oscillators with ±25ppm over -40°C to +85°C	
815-ASVMPC-ADAPTER	ASVMPC-ADAPTER-KIT	6 pin 7.0x5.0mm socket adapter and 50 unprogrammed 7.0X5.0mm ASVMPC oscillators with ±25ppm over -40°C to +85°C	
815-ASVMPC-ADAPTER	ASVMPC-ADAPTER-KIT	6 pin 7.0x5.0mm socket adapter and 50 unprogrammed 7.0X5.0mm ASVMPC HCSL oscillators with ±25ppm over -40°C to +85°C	
815-ASVMPLP-ADAPTER	ASVMPLP-ADAPTER-KIT	6 pin 7.0x5.0mm socket adapter and 50 unprogrammed 7.0X5.0mm ASVMPLP LVPECL oscillators with ±25ppm over -40°C to +85°C	
815-ASVMPLV-ADAPTER	ASVMPLV-ADAPTER-KIT	6 pin 7.0x5.0mm socket adapter and 50 unprogrammed 7.0X5.0mm ASVMPLV LVDS oscillators with ±25ppm over -40°C to +85°C	

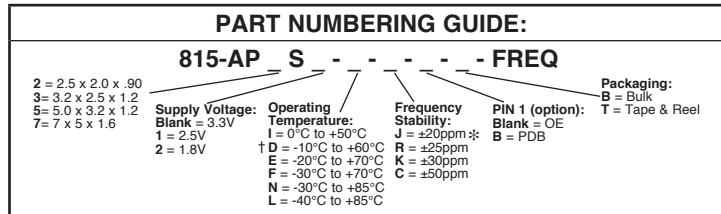
Oscillator Programmer

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Kit Includes	Price Each
815-MEMSPROII	MEMSPeet Pro II	MEMSPEED II programmer, USB cable, tweezers, Quick Start guide and Installation USB Flash drive	

PROGRAMMABLE CRYSTAL OSCILLATORS

*: Available with "I", "D" or "E" temp options only.



AP2SX Series Programmable Oscillators, 2.5 X 2.0mm

Features:

- Performance comparable to fixed frequency oscillator
- Lowest peak-to-peak jitter
- Low supply current

Specifications:

- Frequency Range: 3.3V 1-110 MHz
2.5V 1-90 MHz
1.8V 1-75 MHz

† Option "D" not available

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Price Each		
	1	10	25
815-AP2SX-X-X-X-Freq	Call	Call	Call

AP5SX Series Programmable Oscillators, 5.0 X 3.2mm

Features:

- Performance comparable to fixed frequency oscillator
- Lowest peak-to-peak jitter
- Low supply current

Specifications:

- Frequency Range: 3.3V 1-110 MHz
2.5V 1-90 MHz
1.8V 1-75 MHz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Price Each		
	1	10	25
815-AP5SX-X-X-X-Freq	Call	Call	Call

AP3SX Series Programmable Oscillators, 3.2 X 2.5mm

Features:

- Performance comparable to fixed frequency oscillator
- Lowest peak-to-peak jitter
- Low supply current

Specifications:

- Frequency Range: 3.3V 0.8-110MHz
2.5V 0.8-90MHz
1.8V 0.8-75MHz

† Option "D" not available

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Price Each		
	1	10	25
815-AP3SX-X-X-X-Freq	Call	Call	Call

AP7SX Series Programmable Oscillators, 7.0 X 5.0mm

Features:

- Performance comparable to fixed frequency oscillator
- Lowest peak-to-peak jitter
- Low supply current

Specifications:

- Frequency Range: 3.3V 0.8-110 MHz
2.5V 0.8-90 MHz
1.8V 0.8-75 MHz

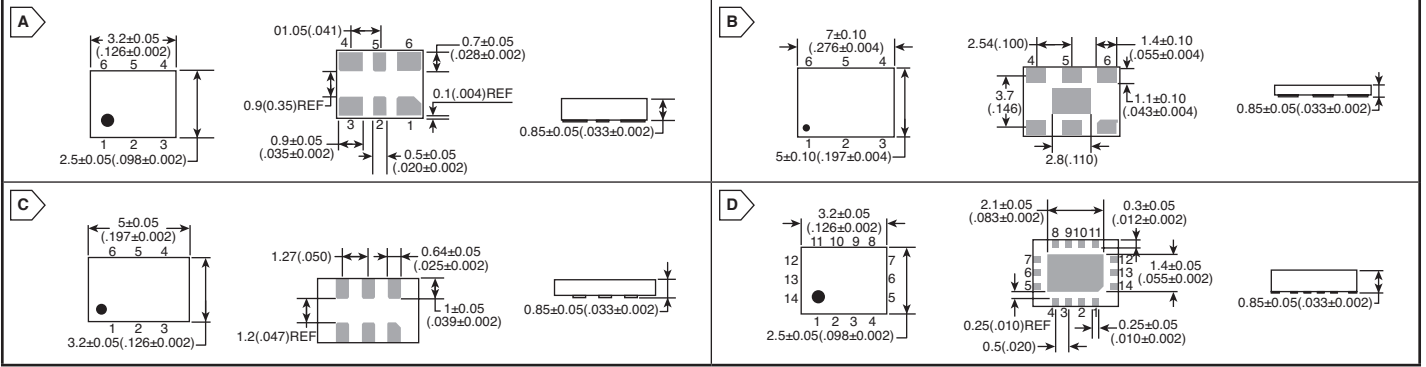
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Price Each		
	1	10	25
815-AP7SX-X-X-X-Freq	Call	Call	Call

ABRACON MEMS Oscillators



DIMENSIONS: mm (in.)



Abracon Frequency Control

ASEMP SERIES ULTRA MINIATURE CMOS MEMS

3.2 x 2.5 x 0.85mm For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Frequency (MHz)	Price Each				
				1	10	50	100	500
-40°C ~ +85°C								
815-ASEMPC-10LR-T	ASEMPC-10.000MHZ-LR-T	A	10.0000					
815-ASEMPC-14.74LR-T	ASEMPC-14.7456MHZ-LR-T	A	14.7456					
815-ASEMPC-20LR-T	ASEMPC-20.000MHZ-LR-T	A	20.0000					
815-ASEMPC-24LR-T	ASEMPC-24.000MHZ-LR-T	A	24.0000					
815-ASEMPC-24.57LR-T	ASEMPC-24.576MHZ-LR-T	A	24.5760					
815-ASEMPC-25LR-T	ASEMPC-25.000MHZ-LR-T	A	25.0000					
815-ASEMPC-26LR-T	ASEMPC-26.000MHZ-LR-T	A	26.0000					
815-ASEMPC-27LR-T	ASEMPC-27.000MHZ-LR-T	A	27.0000					
815-ASEMPC-48LR-T	ASEMPC-48.000MHZ-LR-T	A	48.0000					
815-ASEMPC-50LR-T	ASEMPC-50.000MHZ-LR-T	A	50.0000					
815-ASEMPC-100LR-T	ASEMPC-100.000MHZ-LR-T	A	100.0000					
815-ASEMPC-125LR-T	ASEMPC-125.000MHZ-LR-T	A	125.0000					
-55°C ~ +125°C								
815-ASEMPC-10ZT	ASEMPC-10.000MHZ-Z-T	A	10.0000					
815-ASEMPC-20ZT	ASEMPC-20.000MHZ-Z-T	A	20.0000					
815-ASEMPC-24ZT	ASEMPC-24.000MHZ-Z-T	A	24.0000					
815-ASEMPC-24.57ZT	ASEMPC-24.576MHZ-Z-T	A	24.5760					
815-ASEMPC-25ZT	ASEMPC-25.000MHZ-Z-T	A	25.0000					
815-ASEMPC-26ZT	ASEMPC-26.000MHZ-Z-T	A	26.0000					
815-ASEMPC-27ZT	ASEMPC-27.000MHZ-Z-T	A	27.0000					
815-ASEMPC-48ZT	ASEMPC-48.000MHZ-Z-T	A	48.0000					
815-ASEMPC-50ZT	ASEMPC-50.000MHZ-Z-T	A	50.0000					

ASEMCC SERIES SMD SILICON MEMS

3.2 x 2.5 x 0.85mm For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Frequency (MHz)	Price Each				
				f _{OUT}	1	10	50	100
-40°C ~ +85°C								
815-ASEMCC1-LR	ASEMCC1-LR	D	74.25					
815-ASEMCC2-LR	ASEMCC2-LR	D	125					
815-ASEMCC3-LR	ASEMCC3-LR	D	150					
-55°C ~ +125°C								
815-ASEMCC1-ZR	ASEMCC1-ZR	D	74.25					
815-ASEMCC2-ZR	ASEMCC2-ZR	D	125					
815-ASEMCC3-ZR	ASEMCC3-ZR	D	150					

ASEMCHC SERIES SMD SILICON MEMS

3.2 x 2.5 x 0.85mm For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Frequency (MHz)	Price Each				
				f _{OUT}	1	10	50	100
815-ASEMCHC	ASEMCHC	D	100					

ASEMCLP SERIES SMD SILICON MEMS

3.2 x 2.5 x 0.85mm For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Frequency (MHz)	Price Each				
				f _{OUT}	1	10	50	100
815-ASEMCLP-LR	ASEMCLP-LR	D	156.25					

ASVMP SERIES ULTRA MINIATURE CMOS MEMS

7.0 x 5.0 x 0.85mm For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Frequency (MHz)	Price Each				
				1	10	50	100	500
-40°C ~ +85°C								
815-ASVMP-10LR-T	ASVMP-10.000MHZ-LR-T	B	10.0000					
815-ASVMP-14.74LR-T	ASVMP-14.7456MHZ-LR-T	B	14.7456					
815-ASVMP-20LR-T	ASVMP-20.000MHZ-LR-T	B	20.0000					
815-ASVMP-24LR-T	ASVMP-24.000MHZ-LR-T	B	24.0000					
815-ASVMP-24.57LR-T	ASVMP-24.576MHZ-LR-T	B	24.5760					
815-ASVMP-25LR-T	ASVMP-25.000MHZ-LR-T	B	25.0000					
815-ASVMP-26LR-T	ASVMP-26.000MHZ-LR-T	B	26.0000					
815-ASVMP-27LR-T	ASVMP-27.000MHZ-LR-T	B	27.0000					
815-ASVMP-48LR-T	ASVMP-48.000MHZ-LR-T	B	48.0000					
815-ASVMP-50LR-T	ASVMP-50.000MHZ-LR-T	B	50.0000					
815-ASVMP-125LR-T	ASVMP-125.000MHZ-LR-T	B	125.0000					
-55°C ~ +125°C								
815-ASVMP-10ZT	ASVMP-10.000MHZ-Z-T	B	10.0000					
815-ASVMP-14.74ZT	ASVMP-14.7456MHZ-Z-T	B	14.7456					
815-ASVMP-20ZT	ASVMP-20.000MHZ-Z-T	B	20.0000					
815-ASVMP-24ZT	ASVMP-24.000MHZ-Z-T	B	24.0000					
815-ASVMP-24.57ZT	ASVMP-24.576MHZ-Z-T	B	24.5760					
815-ASVMP-25ZT	ASVMP-25.000MHZ-Z-T	B	25.0000					
815-ASVMP-26ZT	ASVMP-26.000MHZ-Z-T	B	26.0000					
815-ASVMP-27ZT	ASVMP-27.000MHZ-Z-T	B	27.0000					
815-ASVMP-48ZT	ASVMP-48.000MHZ-Z-T	B	48.0000					
815-ASVMP-50ZT	ASVMP-50.000MHZ-Z-T	B	50.0000					

ASFLMP SERIES ULTRA MINIATURE CMOS MEMS

5.0 x 3.2 x 0.85mm For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Frequency (MHz)	Price Each				
				1	10	50	100	500
-40°C ~ +85°C								
815-ASFLMP-10LR-T	ASFLMP-10.000MHZ-LR-T	C	10.0000					
815-ASFLMP-14.74LR-T	ASFLMP-14.7456MHZ-LR-T	C	14.7456					
815-ASFLMP-20LR-T	ASFLMP-20.000MHZ-LR-T	C	20.0000					
815-ASFLMP-24LR-T	ASFLMP-24.000MHZ-LR-T	C	24.0000					
815-ASFLMP-24.57LR-T	ASFLMP-24.576MHZ-LR-T	C	24.5760					
815-ASFLMP-25LR-T	ASFLMP-25.000MHZ-LR-T	C	25.0000					
815-ASFLMP-26LR-T	ASFLMP-26.000MHZ-LR-T	C	26.0000					
815-ASFLMP-27LR-T	ASFLMP-27.000MHZ-LR-T	C	27.0000					
815-ASFLMP-48LR-T	ASFLMP-48.000MHZ-LR-T	C	48.0000					
815-ASFLMP-50LR-T	ASFLMP-50.000MHZ-LR-T	C	50.0000					
815-ASFLMP-125LR-T	ASFLMP-125.000MHZ-LR-T	C	125.0000					
-55°C ~ +125°C								
815-ASFLMP-10ZT	ASFLMP-10.000MHZ-Z-T	C	10.0000					
815-ASFLMP-14.74ZT	ASFLMP-14.7456MHZ-Z-T	C	14.7456					
815-ASFLMP-20ZT	ASFLMP-20.000MHZ-Z-T	C	20.0000					
815-ASFLMP-24ZT	ASFLMP-24.000MHZ-Z-T	C	24.0000					
815-ASFLMP-24.57ZT	ASFLMP-24.576MHZ-Z-T	C	24.5760					
815-ASFLMP-25ZT	ASFLMP-25.000MHZ-Z-T	C	25.0000					
815-ASFLMP-26ZT	ASFLMP-26.000MHZ-Z-T	C	26.0000					
815-ASFLMP-27ZT	ASFLMP-27.000MHZ-Z-T	C	27.0000					
815-ASFLMP-48ZT	ASFLMP-48.000MHZ-Z-T	C	48.0000					
815-ASFLMP-50ZT	ASFLMP-50.000MHZ-Z-T	C	50.0000					

ASEMDHC SERIES SMD SILICON MEMS

3.2 x 2.5 x 0.85mm For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Frequency (MHz)	Price Each				
				f _{OUT1}	f _{OUT2}	1	10	50
815-ASEMDHC-LR	ASEMDHC-LR	D	156.25	156.25				

ASEMDLC SERIES SMD SILICON MEMS

3.2 x 2.5 x 0.85mm For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Frequency (MHz)	Price Each				
				f _{OUT1}	f _{OUT2}	1	10	50
815-ASEMDLC-LR	ASEMDLC-LR	D	100	75				

ASEMDLP SERIES SMD SILICON MEMS

3.2 x 2.5 x 0.85mm For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Frequency (MHz)	Price Each				
				f _{OUT1}	f _{OUT2}	1	10	50
±10ppm								
815-ASEMDLP-LY	ASEMDLP-LY	D	400	200				
±25ppm								
815-ASEMDLP-LR	ASEMDLP-LR	D	400	200				

ABRACON OXO Oscillators



This product is RoHS compliant.



OVEN CONTROLLED OSCILLATORS SMD AND THRU-HOLE

Features:

- Frequency Range SMD: 1.000 to 160.00MHz
- Frequency Range Thru-Hole: 1.000 to 100.00MHz
- Operating Temperature: -40°C to +85°C
- SC-Cut or AT-Cut, High "Q" resonator based design
- Either Sinewave or CMOS RF output
- Tight stability option

Applications:

- Cellular Infrastructure
- Radar Systems
- Test and Measurement Equipment
- GPS Tracking with precision hold-over accuracy
- WiMax/WLAN

DIMENSIONS: mm

AOCJY Series OXO Oscillator 25.4 x 22 - SMD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Volt.	Price Each			
					1	10	25	50
815-AOCJY-10.0M	AOCJY-10.000MHz	A	10.000	3.3				
815-AOCJY-10.0ME	AOCJY-10.000MHz-E	A	10.000	3.3				
815-AOCJY-10.0MF	AOCJY-10.000MHz-F	A	10.000	3.3				
815-AOCJY-12.80M	AOCJY-12.800MHz	A	12.800	3.3				
815-AOCJY-12.80ME	AOCJY-12.800MHz-E	A	12.800	3.3				
815-AOCJY-12.80MF	AOCJY-12.800MHz-F	A	12.800	3.3				
815-AOCJY-20.0M	AOCJY-20.000MHz	A	20.000	3.3				
815-AOCJY-20.0ME	AOCJY-20.000MHz-E	A	20.000	3.3				
815-AOCJY-20.0MF	AOCJY-20.000MHz-F	A	20.000	3.3				
815-AOCJY-38.880M	AOCJY-38.880MHz	A	38.880	3.3				
815-AOCJY-38.880ME	AOCJY-38.880MHz-E	A	38.880	3.3				
815-AOCJY-38.880MF	AOCJY-38.880MHz-F	A	38.880	3.3				
815-AOCJY-100.0M	AOCJY-100.000MHz	A	100.000	3.3				
815-AOCJY-100.0ME	AOCJY-100.000MHz-E	A	100.000	3.3				
815-AOCJY-100.0MF	AOCJY-100.000MHz-F	A	100.000	3.3				

AOCJY1 Series 20.8 x 13.2 - Leaded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Volt.	Price Each			
					1	5	10	25
815-AOCJY1-10M	AOCJY1-10.000MHz	B	10.000	3.3				
815-AOCJY1-10M-E-SW	AOCJY1-10.000MHz-E-SW	B	10.000	3.3				
815-AOCJY1A-10M	AOCJY1A-10.000MHz	B	10.000	5				
815-AOCJY1A-10M-E	AOCJY1A-10.000MHz-E	B	10.000	5				
815-AOCJY1-100M	AOCJY1-100.000MHz	B	100.000	3.3				
815-AOCJY1A-100M	AOCJY1A-100.000MHz	B	100.000	5				
815-AOCJY1A-100M-E	AOCJY1A-100.000MHz-E	B	100.000	5				

AOCJY2 Series 21.0 x 21.0 - Leaded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Volt.	Price Each			
					1	5	10	25
815-AOCJY2-10M	AOCJY2-10.000MHz	C	10.000	3.3				
815-AOCJY2-10M-E	AOCJY2-10.000MHz-E	C	10.000	3.3				
815-AOCJY2-10M-E-SW	AOCJY2-10.000MHz-E-SW	C	10.000	3.3				
815-AOCJY2A-10M-F-SW	AOCJY2A-10.000MHz-F-SW	C	10.000	5				
815-AOCJY2-100M-E	AOCJY2-100.000MHz-E	C	100.000	3.3				
815-AOCJY2-100M-E-SW	AOCJY2-100.000MHz-E-SW	C	100.000	3.3				
815-AOCJY2-100M-F	AOCJY2-100.000MHz-F	C	100.000	3.3				
815-AOCJY2A-100M-E	AOCJY2A-100.000MHz-E	C	100.000	5				
815-AOCJY2A-100M-FSW	AOCJY2A-100.000MHz-F-SW	C	100.000	5				

AOCJY3 Series 25.4 x 25.4 - Leaded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Volt.	Price Each			
					1	5	10	25
815-AOCJY3-10M-F	AOCJY3-10.000MHz-F	D	10.000	3.3				
815-AOCJY3-10M	AOCJY3-10.000MHz	D	10.000	3.3				
815-AOCJY3A-10M	AOCJY3A-10.000MHz	D	10.000	5				
815-AOCJY3A-10M-E	AOCJY3A-10.000MHz-E	D	10.000	5				
815-AOCJY3B-10M	AOCJY3B-10.000MHz	D	10.000	12				
815-AOCJY3B-10M-E	AOCJY3B-10.000MHz-E	D	10.000	12				
815-AOCJY3B-10M-E-SW	AOCJY3B-10.000MHz-E-SW	D	10.000	12				
815-AOCJY3-100M-F	AOCJY3-100.000MHz-F	D	100.000	3.3				
815-AOCJY3-100M-E-SW	AOCJY3-100.000MHz-E-SW	D	100.000	3.3				
815-AOCJY3A-100M-E	AOCJY3A-100.000MHz-E	D	100.000	5				
815-AOCJY3A-100M-F	AOCJY3A-100.000MHz-F	D	100.000	5				
815-AOCJY3B-100M-ESW	AOCJY3B-100.000MHz-E-SW	D	100.000	12				
815-AOCJY3B-100M-F	AOCJY3B-100.000MHz-F	D	100.000	12				

AOCJY4 Series 36.1 x 27.2 - Leaded

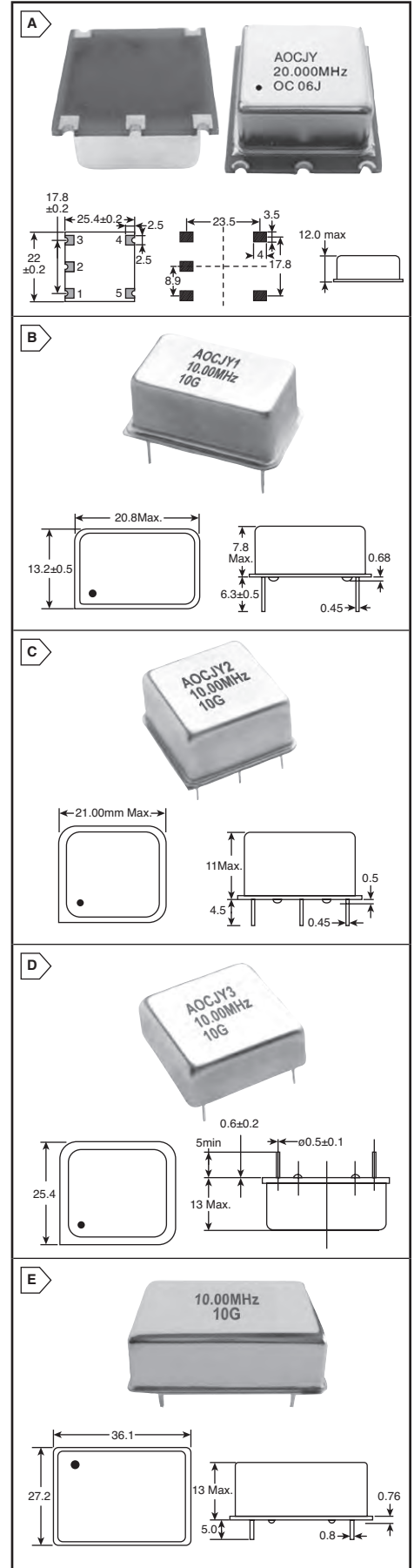
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Volt.	Price Each			
					1	5	10	25
815-AOCJY4A-10M-F-SW	AOCJY4A-10.000MHz-F-SW	E	10.000	5				
815-AOCJY4A-10M-SW	AOCJY4A-10.000MHz-SW	E	10.000	5				
815-AOCJY4B-10M-F-SW	AOCJY4B-10.000MHz-F-SW	E	10.000	12				
815-AOCJY4B-10M-SW	AOCJY4B-10.000MHz-SW	E	10.000	12				
815-AOCJY4B-12.8MFSW	AOCJY4B-12.800MHz-F-SW	E	12.800	12				

AOCJY5 Series 36.1 x 27.2 - Leaded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Volt.	Price Each			
					1	5	10	25
815-AOCJY5-10.0	AOCJY5-10.000MHz	E	10.000	12				



Frequency Control

Abracon

ABRACON SMD Pure Silicon™ Clock Oscillators



RoHS Compliant This product is RoHS compliant.

PLASTIC PACKAGE INDUSTRIAL GRADE ULTRA MINIATURE PURE SILICON™ CLOCK OSCILLATORS

Features:

- 2nd Generation MEMS Technology by Disquera
- Low Power Consumption <10mW
- Low Cost-Compact QFN Plastic Packaging
- Low jitter
- Supply Voltage (Vdd): +1.7 ~ +3.6V
- Output Load: 15pF

No	Pin Terminal
1	Standby
2	GND
3	Output
4	VDD

ASDMB Series: 2.5 x 2.0 x 0.85mm

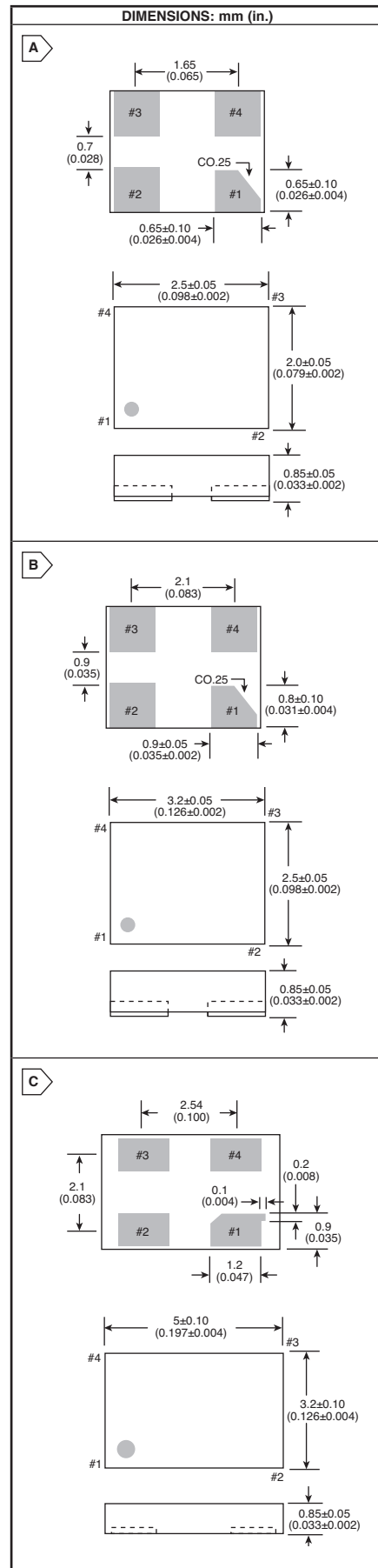
MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz).	Price Each					Reel Qty.	Price Per Piece
				1	10	50	100	500		
Operating Temp. -40°C ~ +85°C; Overall Freq. Stability ±10 ppm										
815-ASDMB-10-LY-T	ASDMB-10.000MHZ-LY-T	A	10.00						1000	
815-ASDMB-12-LY-T	ASDMB-12.000MHZ-LY-T	A	12.00						1000	
815-ASDMB-20-LY-T	ASDMB-20.000MHZ-LY-T	A	20.00						1000	
815-ASDMB-24-LY-T	ASDMB-24.000MHZ-LY-T	A	24.00						1000	
815-ASDMB-25-LY-T	ASDMB-25.000MHZ-LY-T	A	25.00						1000	
815-ASDMB-26-LY-T	ASDMB-26.000MHZ-LY-T	A	26.00						1000	
815-ASDMB-27-LY-T	ASDMB-27.000MHZ-LY-T	A	27.00						1000	
815-ASDMB-48-LY-T	ASDMB-48.000MHZ-LY-T	A	48.00						1000	
815-ASDMB-50-LY-T	ASDMB-50.000MHZ-LY-T	A	50.00						1000	
815-ASDMB-100-LY-T	ASDMB-100.000MHZ-LY-T	A	100.00						1000	
815-ASDMB-125-LY-T	ASDMB-125.000MHZ-LY-T	A	125.00						1000	
Operating Temp. -40°C ~ +105°C; Overall Freq. Stability ±10 ppm										
815-ASDMB-10-XY-T	ASDMB-10.000MHZ-XY-T	A	10.00						1000	
815-ASDMB-12-XY-T	ASDMB-12.000MHZ-XY-T	A	12.00						1000	
815-ASDMB-20-XY-T	ASDMB-20.000MHZ-XY-T	A	20.00						1000	
815-ASDMB-24-XY-T	ASDMB-24.000MHZ-XY-T	A	24.00						1000	
815-ASDMB-25-XY-T	ASDMB-25.000MHZ-XY-T	A	25.00						1000	
815-ASDMB-26-XY-T	ASDMB-26.000MHZ-XY-T	A	26.00						1000	
815-ASDMB-27-XY-T	ASDMB-27.000MHZ-XY-T	A	27.00						1000	
815-ASDMB-48-XY-T	ASDMB-48.000MHZ-XY-T	A	48.00						1000	
815-ASDMB-50-XY-T	ASDMB-50.000MHZ-XY-T	A	50.00						1000	
815-ASDMB-100-XY-T	ASDMB-100.000MHZ-XY-T	A	100.00						1000	
815-ASDMB-125-XY-T	ASDMB-125.000MHZ-XY-T	A	125.00						1000	

ASEMB Series: 3.2 x 2.5 x 0.85mm

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz).	Price Each					Reel Qty.	Price Per Piece
				1	10	50	100	500		
Operating Temp. -40°C ~ +85°C; Overall Freq. Stability ±10 ppm										
815-ASEMB-4-LY-T	ASEMB-4.000MHZ-LY-T	B	4.00						1000	
815-ASEMB-8-LY-T	ASEMB-8.000MHZ-LY-T	B	8.00						1000	
815-ASEMB-10-LY-T	ASEMB-10.000MHZ-LY-T	B	10.00						1000	
815-ASEMB-12-LY-T	ASEMB-12.000MHZ-LY-T	B	12.00						1000	
815-ASEMB-20-LY-T	ASEMB-20.000MHZ-LY-T	B	20.00						1000	
815-ASEMB-24-LY-T	ASEMB-24.000MHZ-LY-T	B	24.00						1000	
815-ASEMB-25-LY-T	ASEMB-25.000MHZ-LY-T	B	25.00						1000	
815-ASEMB-26-LY-T	ASEMB-26.000MHZ-LY-T	B	26.00						1000	
815-ASEMB-27-LY-T	ASEMB-27.000MHZ-LY-T	B	27.00						1000	
815-ASEMB-48-LY-T	ASEMB-48.000MHZ-LY-T	B	48.00						1000	
815-ASEMB-50-LY-T	ASEMB-50.000MHZ-LY-T	B	50.00						1000	
Operating Temp. -40°C ~ +105°C; Overall Freq. Stability ±10 ppm										
815-ASEMB-4-XY-T	ASEMB-4.000MHZ-XY-T	B	4.00						1000	
815-ASEMB-8-XY-T	ASEMB-8.000MHZ-XY-T	B	8.00						1000	
815-ASEMB-10-XY-T	ASEMB-10.000MHZ-XY-T	B	10.00						1000	
815-ASEMB-12-XY-T	ASEMB-12.000MHZ-XY-T	B	12.00						1000	
815-ASEMB-20-XY-T	ASEMB-20.000MHZ-XY-T	B	20.00						1000	
815-ASEMB-24-XY-T	ASEMB-24.000MHZ-XY-T	B	24.00						1000	
815-ASEMB-25-XY-T	ASEMB-25.000MHZ-XY-T	B	25.00						1000	
815-ASEMB-27-XY-T	ASEMB-27.000MHZ-XY-T	B	27.00						1000	
815-ASEMB-30-XY-T	ASEMB-30.000MHZ-XY-T	B	30.00						1000	
815-ASEMB-48-XY-T	ASEMB-48.000MHZ-XY-T	B	48.00						1000	
815-ASEMB-50-XY-T	ASEMB-50.000MHZ-XY-T	B	50.00						1000	
815-ASEMB-80-XY-T	ASEMB-80.000MHZ-XY-T	B	80.00						1000	
815-ASEMB-100-XY-T	ASEMB-100.000MHZ-XY-T	B	100.00						1000	

ASFLMB Series: 5.0 x 3.2 x 0.85mm

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz).	Price Each					Reel Qty.	Price Per Piece
				1	10	50	100	500		
Operating Temp. -40°C ~ +85°C; Overall Freq. Stability ±10 ppm										
815-ASFLMB-8-LY-T	ASFLMB-8.000MHZ-LY-T	C	8.0000						1000	
815-ASFLMB-10-LY-T	ASFLMB-10.000MHZ-LY-T	C	10.0000						1000	
815-ASFLMB-11.05LY-T	ASFLMB-11.0592MHZ-LY-T	C	11.0592						1000	
815-ASFLMB-12-LY-T	ASFLMB-12.000MHZ-LY-T	C	12.0000						1000	
815-ASFLMB-16-LY-T	ASFLMB-16.000MHZ-LY-T	C	16.0000						1000	
815-ASFLMB-20-LY-T	ASFLMB-20.000MHZ-LY-T	C	20.0000						1000	
815-ASFLMB-24-LY-T	ASFLMB-24.000MHZ-LY-T	C	24.0000						1000	
815-ASFLMB-24.5LY-T	ASFLMB-24.5760MHZ-LY-T	C	24.5760						1000	
815-ASFLMB-25-LY-T	ASFLMB-25.000MHZ-LY-T	C	25.0000						1000	
815-ASFLMB-27-LY-T	ASFLMB-27.000MHZ-LY-T	C	27.0000						1000	
815-ASFLMB-30-LY-T	ASFLMB-30.000MHZ-LY-T	C	30.0000						1000	
815-ASFLMB-40-LY-T	ASFLMB-40.000MHZ-LY-T	C	40.0000						1000	
815-ASFLMB-48-LY-T	ASFLMB-48.000MHZ-LY-T	C	48.0000						1000	
815-ASFLMB-50-LY-T	ASFLMB-50.000MHZ-LY-T	C	50.0000						1000	
815-ASFLMB-100-LY-T	ASFLMB-100.000MHZ-LY-T	C	100.0000						1000	
815-ASFLMB-125-LY-T	ASFLMB-125.000MHZ-LY-T	C	125.0000						1000	



Abracon Frequency Control

ABRACON SMD Pure Silicon™ Clock Oscillators



RoHS Compliant. This product is RoHS compliant.

PLASTIC PACKAGE INDUSTRIAL GRADE ULTRA MINIATURE PURE SILICON™ CLOCK OSCILLATORS (CONT.)

Features:

- 2nd Generation MEMS Technology by Discera
- Low Power Consumption <10mA
- Low Cost-Compact QFN Plastic Packaging
- Low jitter
- Supply Voltage (Vdd): +1.7 ~ +3.6V
- Output Load: 15pF

No	Pin Terminal
1	Standby
2	GND
3	Output
4	VDD

ASFLMB Series: 5.0 x 3.2 x 0.85mm (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz).	Price Each					Reel Qty.	Price Per Piece
				1	10	50	100	500		
Operating Temp. -40°C ~ +85°C; Overall Freq. Stability ±25 ppm										
815-ASFLMB-8-LR-T	ASFLMB-8.000MHZ-LR-T	A	8.0000						1000	
815-ASFLMB-10-LR-T	ASFLMB-10.000MHZ-LR-T	A	10.0000						1000	
815-ASFLMB-11.05LR-T	ASFLMB-11.0592MHZ-LR-T	A	11.0592						1000	
815-ASFLMB-12-LR-T	ASFLMB-12.000MHZ-LR-T	A	12.0000						1000	
815-ASFLMB-16-LR-T	ASFLMB-16.000MHZ-LR-T	A	16.0000						1000	
815-ASFLMB-20-LR-T	ASFLMB-20.000MHZ-LR-T	A	20.0000						1000	
815-ASFLMB-24-LR-T	ASFLMB-24.000MHZ-LR-T	A	24.0000						1000	
815-ASFLMB-24.5LR-T	ASFLMB-24.5760MHZ-LR-T	A	24.5760						1000	
815-ASFLMB-25-LR-T	ASFLMB-25.000MHZ-LR-T	A	25.0000						1000	
815-ASFLMB-27-LR-T	ASFLMB-27.000MHZ-LR-T	A	27.0000						1000	
815-ASFLMB-30-LR-T	ASFLMB-30.000MHZ-LR-T	A	30.0000						1000	
815-ASFLMB-40-LR-T	ASFLMB-40.000MHZ-LR-T	A	40.0000						1000	
815-ASFLMB-48-LR-T	ASFLMB-48.000MHZ-LR-T	A	48.0000						1000	
815-ASFLMB-50-LR-T	ASFLMB-50.000MHZ-LR-T	A	50.0000						1000	
815-ASFLMB-100-LR-T	ASFLMB-100.000MHZ-LR-T	A	100.0000						1000	
Operating Temp. -40°C ~ +105°C; Overall Freq. Stability ±10 ppm										
815-ASFLMB-8-XY-T	ASFLMB-8.000MHZ-XY-T	A	8.0000						1000	
815-ASFLMB-10-XY-T	ASFLMB-10.000MHZ-XY-T	A	10.0000						1000	
815-ASFLMB-12-XY-T	ASFLMB-12.000MHZ-XY-T	A	12.0000						1000	
815-ASFLMB-16-XY-T	ASFLMB-16.000MHZ-XY-T	A	16.0000						1000	
815-ASFLMB-20-XY-T	ASFLMB-20.000MHZ-XY-T	A	20.0000						1000	
815-ASFLMB-24-XY-T	ASFLMB-24.000MHZ-XY-T	A	24.0000						1000	
815-ASFLMB-24.5XY-T	ASFLMB-24.5760MHZ-XY-T	A	24.5760						1000	
815-ASFLMB-25-XY-T	ASFLMB-25.000MHZ-XY-T	A	25.0000						1000	
815-ASFLMB-27-XY-T	ASFLMB-27.000MHZ-XY-T	A	27.0000						1000	
815-ASFLMB-30-XY-T	ASFLMB-30.000MHZ-XY-T	A	30.0000						1000	
815-ASFLMB-40-XY-T	ASFLMB-40.000MHZ-XY-T	A	40.0000						1000	
815-ASFLMB-48-XY-T	ASFLMB-48.000MHZ-XY-T	A	48.0000						1000	
815-ASFLMB-50-XY-T	ASFLMB-50.000MHZ-XY-T	A	50.0000						1000	
815-ASFLMB-100-XY-T	ASFLMB-100.000MHZ-XY-T	A	100.0000						1000	
815-ASFLMB-125-XY-T	ASFLMB-125.000MHZ-XY-T	A	125.0000						1000	

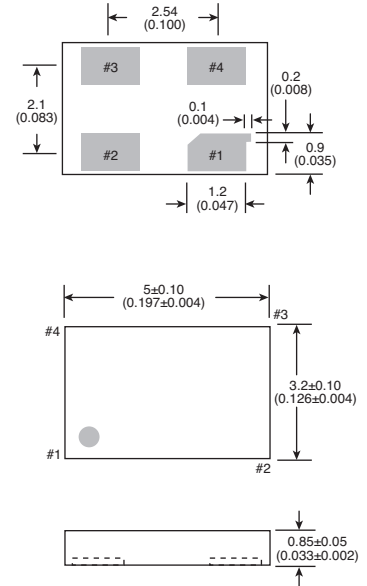
ASVMB Series: 7.0 x 5.0 x 0.85mm

For quantities greater than listed, call for quote.

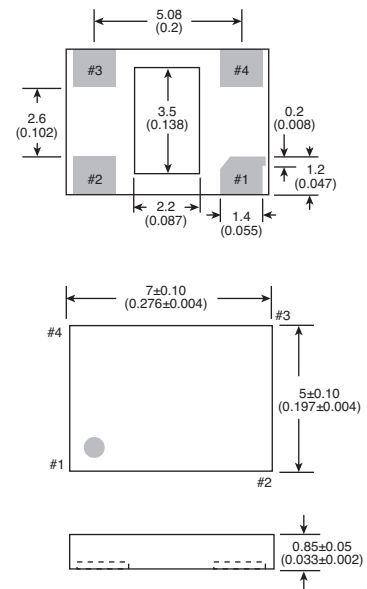
MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz).	Price Each					Reel Qty.	Price Per Piece
				1	10	50	100	500		
Operating Temp. -40°C ~ +85°C; Overall Freq. Stability ±10 ppm										
815-ASVMB-3.68MLYT	ASVMB-3.6864MHZ-LY-T	B	3.68640						1000	
815-ASVMB-4MLYT	ASVMB-4.000MHZ-LY-T	B	4.00000						1000	
815-ASVMB-7.3MLYT	ASVMB-7.3728MHZ-LY-T	B	7.37280						1000	
815-ASVMB-8MLYT	ASVMB-8.000MHZ-LY-T	B	8.00000						1000	
815-ASVMB-14.3MLYT	ASVMB-14.31818MHZ-LY-T	B	14.31818						1000	
815-ASVMB-16.3MLYT	ASVMB-16.384MHZ-LY-T	B	16.38400						1000	
815-ASVMB-18.4MLYT	ASVMB-18.432MHZ-LY-T	B	18.43200						1000	
815-ASVMB-20MLYT	ASVMB-20.000MHZ-LY-T	B	20.00000						1000	
815-ASVMB-25MLYT	ASVMB-25.000MHZ-LY-T	B	25.00000						1000	
815-ASVMB-27MLYT	ASVMB-27.000MHZ-LY-T	B	27.00000						1000	
815-ASVMB-29.4MLYT	ASVMB-29.4912MHZ-LY-T	B	29.49120						1000	
815-ASVMB-30MLYT	ASVMB-30.000MHZ-LY-T	B	30.00000						1000	
815-ASVMB-32MLYT	ASVMB-32.000MHZ-LY-T	B	32.00000						1000	
815-ASVMB-33MLYT	ASVMB-33.000MHZ-LY-T	B	33.00000						1000	
815-ASVMB-33.3MLYT	ASVMB-33.3333MHZ-LY-T	B	33.33300						1000	
815-ASVMB-40MLYT	ASVMB-40.000MHZ-LY-T	B	40.00000						1000	
815-ASVMB-48MLYT	ASVMB-48.000MHZ-LY-T	B	48.00000						1000	
815-ASVMB-50MLYT	ASVMB-50.000MHZ-LY-T	B	50.00000						1000	
815-ASVMB-60MLYT	ASVMB-60.000MHZ-LY-T	B	60.00000						1000	
815-ASVMB-66MLYT	ASVMB-66.000MHZ-LY-T	B	66.00000						1000	
815-ASVMB-80MLYT	ASVMB-80.000MHZ-LY-T	B	80.00000						1000	
815-ASVMB-100MLYT	ASVMB-100.000MHZ-LY-T	B	100.00000						1000	
815-ASVMB-125MLYT	ASVMB-125.000MHZ-LY-T	B	125.00000						1000	
Operating Temp. -40°C ~ +105°C; Overall Freq. Stability ±10 ppm										
815-ASVMB-3.6MXYT	ASVMB-3.6864MHZ-XY-T	B	3.68640						1000	
815-ASVMB-4MXYT	ASVMB-4.000MHZ-XY-T	B	4.00000						1000	
815-ASVMB-8MXYT	ASVMB-8.000MHZ-XY-T	B	8.00000						1000	
815-ASVMB-14.3MXYT	ASVMB-14.31818MHZ-XY-T	B	14.31818						1000	
815-ASVMB-16.3MXYT	ASVMB-16.384MHZ-XY-T	B	16.38400						1000	
815-ASVMB-18.4MXYT	ASVMB-18.432MHZ-XY-T	B	18.43200						1000	
815-ASVMB-20MXYT	ASVMB-20.000MHZ-XY-T	B	20.00000						1000	
815-ASVMB-25MXYT	ASVMB-25.000MHZ-XY-T	B	25.00000						1000	
815-ASVMB-27MXYT	ASVMB-27.000MHZ-XY-T	B	27.00000						1000	
815-ASVMB-29.4MXYT	ASVMB-29.4912MHZ-XY-T	B	29.49120						1000	
815-ASVMB-30MXYT	ASVMB-30.000MHZ-XY-T	B	30.00000						1000	
815-ASVMB-32MXYT	ASVMB-32.000MHZ-XY-T	B	32.00000						1000	
815-ASVMB-33MXYT	ASVMB-33.000MHZ-XY-T	B	33.00000						1000	
815-ASVMB-33.3MXYT	ASVMB-33.3333MHZ-XY-T	B	33.33300						1000	
815-ASVMB-40MXYT	ASVMB-40.000MHZ-XY-T	B	40.00000						1000	
815-ASVMB-48MXYT	ASVMB-48.000MHZ-XY-T	B	48.00000						1000	
815-ASVMB-50MXYT	ASVMB-50.000MHZ-XY-T	B	50.00000						1000	
815-ASVMB-60MXYT	ASVMB-60.000MHZ-XY-T	B	60.00000						1000	
815-ASVMB-66MXYT	ASVMB-66.000MHZ-XY-T	B	66.00000						1000	
815-ASVMB-80MXYT	ASVMB-80.000MHZ-XY-T	B	80.00000						1000	
815-ASVMB-100MXYT	ASVMB-100.000MHZ-XY-T	B	100.00000						1000	
815-ASVMB-125MXYT	ASVMB-125.000MHZ-XY-T	B	125.00000						1000	

DIMENSIONS: mm (in.)

A



B

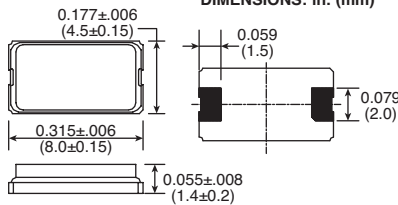


ABRACON SMD Crystals and Oscillators



ABM2 SERIES SMD MICROPROCESSOR CRYSTALS

- Features:**
- Low in height; suitable for thin equipment
 - Glass sealed package assures high reliability and high temperature operation
 - Tight tolerance and stability available
 - Suitable for RoHS compliant reflow
 - Low cost glass sealed crystal solution



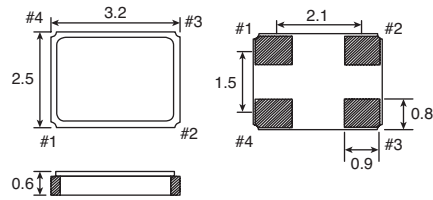
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
815-ABM2-10-D4Y-T	ABM2-11.0592MHZ-D4Y-T	11.05920				
815-ABM2-11.05-D4Y-T	ABM2-12.000MHZ-D4Y-T	12.00000				
815-ABM2-14.3-D4Y-T	ABM2-14.31818MHZ-D4Y-T	14.31818				
815-ABM2-14.7-D4Y-T	ABM2-14.7456MHZ-D4Y-T	14.74560				
815-ABM2-16-D4Y-T	ABM2-16.000MHZ-D4Y-T	16.00000				
815-ABM2-18.4-D4Y-T	ABM2-18.432MHZ-D4Y-T	18.43200				
815-ABM2-20-D4Y-T	ABM2-20.000MHZ-D4Y-T	20.00000				
815-ABM2-24-D4Y-T	ABM2-24.000MHZ-D4Y-T	24.00000				
815-ABM2-25-D4Y-T	ABM2-25.000MHZ-D4Y-T	25.00000				
815-ABM2-26-D4Y-T	ABM2-26.000MHZ-D4Y-T	26.00000				
815-ABM2-27-D4Y-T	ABM2-27.000MHZ-D4Y-T	27.00000				
815-ABM2-30-D4YF-T	ABM2-30.000MHZ-D4YF-T	30.00000				



ABM8X SERIES SMD ULTRA MINIATURE, HIGH STABILITY CRYSTALS

- Features:**
- -40°C to +125°C wide operating temperature range
 - ±40ppm Max. All inclusive frequency stability over 10-year product life
 - Fundamental Mode, low ESR Quartz design
 - Ultra miniature, Seam-Sealed, RoHS compliant reflow-able package



DIMENSIONS: in. (mm)

- Pin function:
 #1 crystal connection
 #2 GND
 #3 crystal connection
 #4 GND

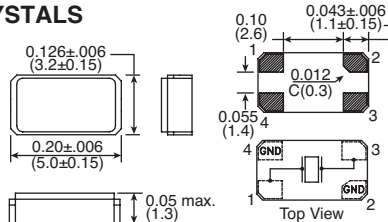
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
815-ABM8X-101-24.0-T	ABM8X-101-24.000MHZ-T	24.00000				
815-ABM8X-102-32.0-T	ABM8X-102-32.000MHZ-T	32.00000				



ABM3C SERIES SMD ULTRA MINIATURE CRYSTALS

- Features:**
- Low in height; suitable for thin equipment.
 - Glass sealed package assures high reliability and high temperature operation
 - Tight tolerance and stability available
 - Suitable for RoHS reflow profile



DIMENSIONS: in. (mm)

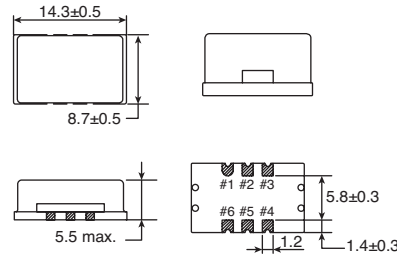
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
815-ABM3C-10-D4YT	ABM3C-10.000MHZ-D4Y-T	10.00000				
815-ABM3C-11.05-D4YT	ABM3C-11.0592MHZ-D4Y-T	11.00000				
815-ABM3C-12-D4YT	ABM3C-12.000MHZ-D4Y-T	12.00000				
815-ABM3C-12.28-D4YT	ABM3C-12.288MHZ-D4Y-T	12.28800				
815-ABM3C-13-D4YT	ABM3C-13.000MHZ-D4Y-T	13.00000				
815-ABM3C-13.56-D4YT	ABM3C-13.560MHZ-D4Y-T	13.56000				
815-ABM3C-14.31-D4YT	ABM3C-14.31818MHZ-D4Y-T	14.31818				
815-ABM3C-14.74-D4YT	ABM3C-14.7456MHZ-D4Y-T	14.74560				
815-ABM3C-15-D4YT	ABM3C-15.000MHZ-D4Y-T	15.00000				
815-ABM3C-16-D4YT	ABM3C-16.000MHZ-D4Y-T	16.00000				
815-ABM3C-16.38-D4YT	ABM3C-16.384MHZ-D4Y-T	16.38400				
815-ABM3C-18.43-D4YT	ABM3C-18.432MHZ-D4Y-T	18.43200				
815-ABM3C-19.66-D4YT	ABM3C-19.6608MHZ-D4Y-T	19.66080				
815-ABM3C-20-D4YT	ABM3C-20.000MHZ-D4Y-T	20.00000				
815-ABM3C-22.11-D4YT	ABM3C-22.1184MHZ-D4Y-T	22.11840				
815-ABM3C-24-D4YT	ABM3C-24.000MHZ-D4Y-T	24.00000				
815-ABM3C-24.57-D4YT	ABM3C-24.576MHZ-D4Y-T	24.57600				
815-ABM3C-25-D4YT	ABM3C-25.000MHZ-D4Y-T	25.00000				
815-ABM3C-26-D4YT	ABM3C-26.000MHZ-D4Y-T	26.00000				
815-ABM3C-27-D4YT	ABM3C-27.000MHZ-D4Y-T	27.00000				
815-ABM3C-29.49-D4YT	ABM3C-29.4912MHZ-D4Y-T	29.49120				
815-ABM3C-30-D4YFT	ABM3C-30.000MHZ-D4YF-T	30.00000				
815-ABM3C-32-D4YFT	ABM3C-32.000MHZ-D4YF-T	32.00000				
815-ABM3C-33-D4YFT	ABM3C-33.000MHZ-D4YF-T	33.00000				
815-ABM3C-36-D4YFT	ABM3C-36.000MHZ-D4YF-T	36.00000				
815-ABM3C-40-D4YFT	ABM3C-40.000MHZ-D4YF-T	40.00000				
815-ABM3C-48-D4YFT	ABM3C-48.000MHZ-D4YF-T	48.00000				



ABLJO SERIES LOW JITTER CRYSTAL OSCILLATORS

- Features:**
- High "Q", 3rd Overtone Crystal Technology
 - Ultra Low Jitter performance 0.10ps Max. (12kHz to 20MHz)
 - Standard LVCMOS RF Output
 - Wide Operating Temperature (-40°C to +85°C) standard
 - ±40ppm Max. All inclusive Stability (including Aging) over 10-years
 - (17) Standard Frequencies between 80MHz & 200MHz
 - 9x14mm RoHS Compliant SMT package



DIMENSIONS: in. (mm)

- Connection:
 #1 V.C
 #2 NC
 #3 GND
 #4 Output
 #5 N.C
 #6 Vcc

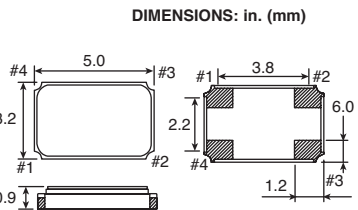
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
Fixed Frequency						
815-ABLJO-80M	ABLJO-80.000MHz	80.000				
815-ABLJO-81.92M	ABLJO-81.920MHz	81.920				
815-ABLJO-92.16M	ABLJO-92.160MHz	92.160				
815-ABLJO-96M	ABLJO-96.000MHz	96.000				
815-ABLJO-98.3M	ABLJO-98.304MHz	98.304				
815-ABLJO-100M	ABLJO-100.000MHz	100.000				
815-ABLJO-106.25M	ABLJO-106.250MHz	106.250				
815-ABLJO-120M	ABLJO-120.000MHz	120.000				
815-ABLJO-122.88M	ABLJO-122.880MHz	122.880				
815-ABLJO-125M	ABLJO-125.000MHz	125.000				
815-ABLJO-150M	ABLJO-150.000MHz	150.000				
815-ABLJO-155.52M	ABLJO-155.520MHz	155.520				
815-ABLJO-156.250M	ABLJO-156.250MHz	156.250				
815-ABLJO-160M	ABLJO-160.000MHz	160.000				
815-ABLJO-184.320M	ABLJO-184.320MHz	184.320				
815-ABLJO-187.500M	ABLJO-187.500MHz	187.500				
815-ABLJO-200M	ABLJO-200.000MHz	200.000				



ABM3X SERIES SMD ULTRA MINIATURE, HIGH STABILITY CRYSTALS

- Features:**
- -40°C to +125°C wide operating temperature range
 - ±40ppm Max. All inclusive frequency stability over 10-year product life
 - Fundamental Mode, low ESR Quartz design
 - Ultra miniature, Seam-Sealed, RoHS compliant reflow-able package



DIMENSIONS: in. (mm)

- Pin function:
 #1 crystal connection
 #2 GND
 #3 crystal connection
 #4 GND

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
815-ABM3X-101-24.0-T	ABM3X-101-24.000MHZ-T	24.00000				
815-ABM3X-102-32.0-T	ABM3X-102-32.000MHZ-T	32.00000				

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
±45 ppm min.						
815-ABLJO-V80M	ABLJO-V-80.000MHz	80.000				
815-ABLJO-V81.92M	ABLJO-V-81.920MHz	81.920				
815-ABLJO-V92.16M	ABLJO-V-92.160MHz	92.160				
815-ABLJO-V96M	ABLJO-V-96.000MHz	96.000				
815-ABLJO-V98.3M	ABLJO-V-98.304MHz	98.304				
815-ABLJO-V100M	ABLJO-V-100.000MHz	100.000				
815-ABLJO-V106.25M	ABLJO-V-106.250MHz	106.250				
815-ABLJO-V120M	ABLJO-V-120.000MHz	120.000				
815-ABLJO-V122.88M	ABLJO-V-122.880MHz	122.880				
815-ABLJO-V125M	ABLJO-V-125.000MHz	125.000				
815-ABLJO-V150M	ABLJO-V-150.000MHz	150.000				
815-ABLJO-V155.52M	ABLJO-V-155.520MHz	155.520				
815-ABLJO-V156.25M	ABLJO-V-156.250MHz	156.250				
815-ABLJO-V160M	ABLJO-V-160.000MHz	160.000				
815-ABLJO-V184.32M	ABLJO-V-184.320MHz	184.320				
815-ABLJO-V187.5M	ABLJO-V-187.500MHz	187.500				
815-ABLJO-V200M	ABLJO-V-200.000MHz	200.000				

ABRACON Crystals and Oscillators



This product is RoHS compliant.



NEW AT MOUSER

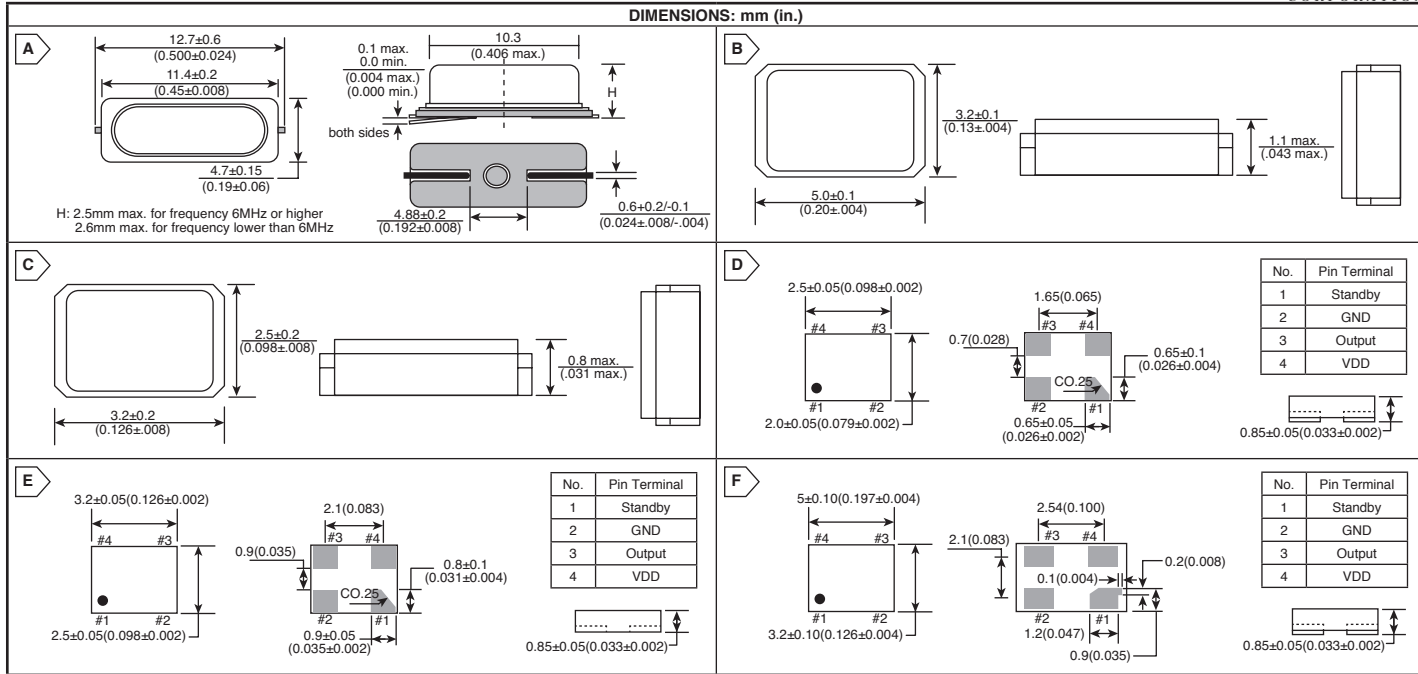
Frequency Control

Abracon

NEW AT MOUSER

NEW AT MOUSER

DIMENSIONS: mm (in.)



ABLS3 SERIES LOW PROFILE MICROPROCESSOR CRYSTALS

- Features:**
- High reliability, Low cost
 - Low profile (2.6mm max.)
 - Tight stability and extended temperature
 - Reflow capable

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Price Each				
				1	10	50	100	500
815-ABLS3-4MD4YT	ABLS3-4.000MHZ-D4Y-T	A	4.0000					
815-ABLS3-4.09MD4YT	ABLS3-4.096MHZ-D4Y-T	A	4.0960					
815-ABLS3-4.9MD4YT	ABLS3-4.9152MHZ-D4Y-T	A	4.9152					
815-ABLS3-5MD4YT	ABLS3-5.000MHZ-D4Y-T	A	5.0000					
815-ABLS3-6MD4YT	ABLS3-6.000MHZ-D4Y-T	A	6.0000					
815-ABLS3-6.1MD4YT	ABLS3-6.144MHZ-D4Y-T	A	6.1440					
815-ABLS3-7.3MD4YT	ABLS3-7.3728MHZ-D4Y-T	A	7.3728					
815-ABLS3-8.1MD4YT	ABLS3-8.192MHZ-D4Y-T	A	8.1920					
815-ABLS3-9.8MD4YT	ABLS3-9.8304MHZ-D4Y-T	A	9.8304					
815-ABLS3-10MD4YT	ABLS3-10.000MHZ-D4Y-T	A	10.0000					
815-ABLS3-11.05MD4YT	ABLS3-11.0592MHZ-D4Y-T	A	11.0592					
815-ABLS3-12MD4YT	ABLS3-12.000MHZ-D4Y-T	A	12.0000					
815-ABLS3-12.28MD4YT	ABLS3-12.288MHZ-D4Y-T	A	12.2880					
815-ABLS3-13MD4YT	ABLS3-13.000MHZ-D4Y-T	A	13.0000					
815-ABLS3-14.3MD4YT	ABLS3-14.31818MHZ-D4Y-T	A	14.3182					
815-ABLS3-14.7MD4YT	ABLS3-14.7456MHZ-D4Y-T	A	14.7456					
815-ABLS3-15MD4YT	ABLS3-15.000MHZ-D4Y-T	A	15.0000					
815-ABLS3-16MD4YT	ABLS3-16.000MHZ-D4Y-T	A	16.0000					
815-ABLS3-16.3MD4YT	ABLS3-16.384MHZ-D4Y-T	A	16.3840					
815-ABLS3-18.4MD4YT	ABLS3-18.432MHZ-D4Y-T	A	18.4320					
815-ABLS3-19.6MD4YT	ABLS3-19.6608MHZ-D4Y-T	A	19.6608					
815-ABLS3-20MD4YT	ABLS3-20.000MHZ-D4Y-T	A	20.0000					
815-ABLS3-22.1MD4YT	ABLS3-22.1184MHZ-D4Y-T	A	22.1184					
815-ABLS3-24MD4YT	ABLS3-24.000MHZ-D4YF-T	A	24.0000					
815-ABLS3-24.5MD4YFT	ABLS3-24.576MHZ-D4YF-T	A	24.5760					
815-ABLS3-25MD4YFT	ABLS3-25.000MHZ-D4YF-T	A	25.0000					
815-ABLS3-26MD4YFT	ABLS3-26.000MHZ-D4YF-T	A	26.0000					
815-ABLS3-27MD4YFT	ABLS3-27.000MHZ-D4YF-T	A	27.0000					
815-ABLS3-29.4MD4YFT	ABLS3-29.4912MHZ-D4YF-T	A	29.4912					
815-ABLS3-30MD4YFT	ABLS3-30.000MHZ-D4YF-T	A	30.0000					

ABM3B SERIES CERAMIC SMD CRYSTALS

- Features:**
- Fundamental mode
 - Ceramic package and metal lid assures high precision and reliability
 - Suitable for reflow
 - Seam sealing
 - Tight Stability available

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Price Each				
				1	10	50	100	500
815-ABM3B-155-12.8T	ABM3B-155-12.800MHZ-T	B	12.8					

ABM8 ULTRA MINIATURE CERAMIC SMD CRYSTALS

- Features:**
- Low in height; suitable for thin equipment, 0.8mm max
 - Tight tolerance and stability available
 - Seam sealed package assures high reliability
 - Available for fundamental and 3rd over tone mode

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Price Each				
				1	10	50	100	500
815-ABM8-156-20-T	ABM8-156-20.000MHZ-T	C	20					

ASDMB SERIES INDUSTRIAL GRADE OSCILLATORS 2.5MM X 2.0MM

- Features:**
- Ultra Miniature Pure Silicon™ Clock Oscillator
 - Low Power Consumption <10mW
 - 2nd Generation MEMS Technology with reduced jitter by Discera
 - Compact QFN Plastic Packaging

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Price Each				
				1	10	50	100	500
815-ASDMB-16MHZ-LC	ASDMB-16.000MHZ-LC-T	D	16					
815-ASDMB-24MHZ-LC	ASDMB-24.000MHZ-LC-T	D	24					
815-ASDMB-25MHZ-LC	ASDMB-25.000MHZ-LC-T	D	25					
815-ASDMB-26MHZ-LC	ASDMB-26.000MHZ-LC-T	D	26					
815-ASDMB-48MHZ-LC	ASDMB-48.000MHZ-LC-T	D	48					
815-ASDMB-50MHZ-LC	ASDMB-50.000MHZ-LC-T	D	50					

ASEMB SERIES INDUSTRIAL GRADE OSCILLATORS 3.2MM X 2.5MM

- Features:**
- Ultra Miniature Pure Silicon™ Clock Oscillator
 - Low Power Consumption <10mW
 - 2nd Generation MEMS Technology with reduced jitter by Discera
 - Compact QFN Plastic Packaging

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Price Each				
				1	10	50	100	500
815-ASEMB-10MHZ-LC	ASEMB-10.000MHZ-LC-T	E	10					
815-ASEMB-12MHZ-LC	ASEMB-12.000MHZ-LC-T	E	12					
815-ASEMB-20MHZ-LC	ASEMB-20.000MHZ-LC-T	E	20					
815-ASEMB-24MHZ-LC	ASEMB-24.000MHZ-LC-T	E	24					
815-ASEMB-25MHZ-LC	ASEMB-25.000MHZ-LC-T	E	25					
815-ASEMB-26MHZ-LC	ASEMB-26.000MHZ-LC-T	E	26					
815-ASEMB-50MHZ-LC	ASEMB-50.000MHZ-LC-T	E	50					

ASFLMB SERIES INDUSTRIAL GRADE OSCILLATORS 5.0MM X 3.2MM

- Features:**
- Ultra Miniature Pure Silicon™ Clock Oscillator
 - Low Power Consumption <10mW
 - 2nd Generation MEMS Technology with reduced jitter by Discera
 - Compact QFN Plastic Packaging

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Price Each				
				1	10	50	100	500
815-ASFLMB-8MHZ-LC	ASFLMB-8.000MHZ-LC-T	F	8					
815-ASFLMB-10MHZ-LC	ASFLMB-10.000MHZ-LC-T	F	10					
815-ASFLMB-16MHZ-LC	ASFLMB-16.000MHZ-LC-T	F	16					
815-ASFLMB-20MHZ-LC	ASFLMB-20.000MHZ-LC-T	F	20					
815-ASFLMB-24MHZ-LC	ASFLMB-24.000MHZ-LC-T	F	24					
815-ASFLMB-25MHZ-LC	ASFLMB-25.000MHZ-LC-T	F	25					
815-ASFLMB-27MHZ-LC	ASFLMB-27.000MHZ-LC-T	F	27					
815-ASFLMB-40MHZ-LC	ASFLMB-40.000MHZ-LC-T	F	40					
815-ASFLMB-50MHZ-LC	ASFLMB-50.000MHZ-LC-T	F	50					

ABRACON Ceramic Microprocessor Crystals



PIERCE ANALYZER SYSTEM - CIRCUIT CHARACTERIZATION SERVICE

MOUSER STOCK NO.	Abrakon Part No.	Description	Price Each
815-PAS-BC1WK	PAS-BC1WK	Analysis & Report 1-week max lead-time	
815-PAS-BC2WK	PAS-BC2WK	Analysis & Report 2-week max lead-time	
815-PAS-BC3WK	PAS-BC3WK	Analysis & Report 3-week max lead-time	

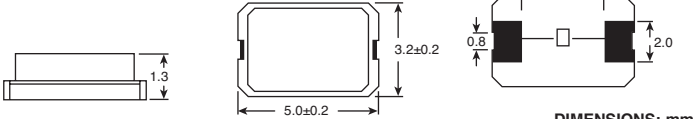
ABM3 SERIES MINI CERAMIC, 3.2 X 5

Features:

- Operating temperature: -20°C to 70°C
- Frequency tolerance: ± 20ppm
- Fundamental mode, 18pF load capacitance
- Stability: ±100ppm (-40°C to +85°C)



RoHS Compliant



MOUSER STOCK NO.	Abrakon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABM3-12-B2-T	ABM3-12.000MHZ-B2-T	12.000					
815-ABM3-13.560-B2-T	ABM3-13.560MHZ-B2-T	13.560					
815-ABM3-14.31818B2T	ABM3-14.31818MHZ-B2-T	14.31818					
815-ABM3-16-B2-T	ABM3-16.000MHZ-B2-T	16.000					
815-ABM3-18.432-B2-T	ABM3-18.432MHZ-B2-T	18.432					
815-ABM3-20-B2-T	ABM3-20.000MHZ-B2-T	20.000					
815-ABM3-24-B2-T	ABM3-24.000MHZ-B2-T	24.000					
815-ABM3-24.576-B2-T	ABM3-24.576MHZ-B2-T	24.576					
815-ABM3-25-B2-T	ABM3-25.000MHZ-B2-T	25.000					
815-ABM3-27-B2-T	ABM3-27.000MHZ-B2-T	27.000					
815-ABM3-28.6363-B2T	ABM3-28.6363MHZ-B2-T	28.6363					
815-ABM3-29.4912-B2T	ABM3-29.4912MHZ-B2-T	29.4912					
815-ABM3-30-B2-T	ABM3-30.000MHZ-B2-T	30.000					
815-ABM3-33-B2-T	ABM3-33.000MHZ-B2-T	33.000					
815-ABM3-40-B2-T	ABM3-40.000MHZ-B2-T	40.000					
815-ABM3-48-B2-T	ABM3-48.000MHZ-B2-T	48.000					

- Operating temperature: -40°C to +85°C
- Stability: ±30ppm

815-ABM3-8-D2Y-T	ABM3-8.000MHZ-D2Y-T	8.000					
815-ABM3-10-D2Y-T	ABM3-10.000MHZ-D2Y-T	10.000					
815-ABM3-12-D2Y-T	ABM3-12.000MHZ-D2Y-T	12.000					
815-ABM3-14.74-D2Y-T	ABM3-14.7456MHZ-D2Y-T	14.7456					
815-ABM3-16-D2Y-T	ABM3-16.000MHZ-D2Y-T	16.000					
815-ABM3-18.43-D2Y-T	ABM3-18.432MHZ-D2Y-T	18.432					
815-ABM3-20-D2Y-T	ABM3-20.000MHZ-D2Y-T	20.000					
815-ABM3-22.11-D2Y-T	ABM3-22.1184MHZ-D2Y-T	22.1184					
815-ABM3-24-D2Y-T	ABM3-24.000MHZ-D2Y-T	24.000					
815-ABM3-25-D2Y-T	ABM3-25.000MHZ-D2Y-T	25.000					
815-ABM3-27-D2Y-T	ABM3-27.000MHZ-D2Y-T	27.000					
815-ABM3-40-D2Y-F-T	ABM3-40.000MHZ-D2Y-F-T	40.000					
815-ABM3-48-D2Y-F-T	ABM3-48.000MHZ-D2Y-F-T	48.000					

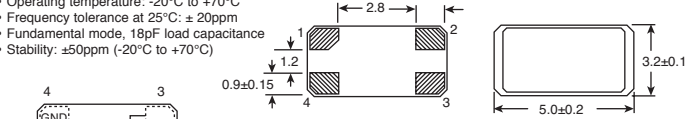
ABM3B SERIES MINI CERAMIC, 3.2 X 5

Features:

- Operating temperature: -20°C to +70°C
- Frequency tolerance at 25°C: ± 20ppm
- Fundamental mode, 18pF load capacitance
- Stability: ±50ppm (-20°C to +70°C)



RoHS Compliant

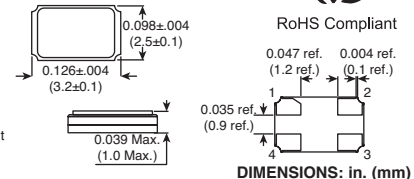


MOUSER STOCK NO.	Abrakon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABM3B-12-B2	ABM3B-12.000MHZ-B2-T	12.000					
815-ABM3B-12.288-B2T	ABM3B-12.288MHZ-B2-T	12.288					
815-ABM3B-13-B2-T	ABM3B-13.000MHZ-B2-T	13.000					
815-ABM3B-13.824-B2T	ABM3B-13.824MHZ-B2-T	13.824					
815-ABM3B-14.31818B2T	ABM3B-14.31818MHZ-B2-T	14.31818					
815-ABM3B-15.360-B2T	ABM3B-15.360MHZ-B2-T	15.360					
815-ABM3B-16-B2	ABM3B-16.000MHZ-B2-T	16.000					
815-ABM3B-16.384-B2	ABM3B-16.384MHZ-B2-T	16.384					
815-ABM3B-18.432-B2	ABM3B-18.432MHZ-B2-T	18.432					
815-ABM3B-20-B2	ABM3B-20.000MHZ-B2-T	20.000					
815-ABM3B-24-B2	ABM3B-24.000MHZ-B2-T	24.000					
815-ABM3B-24.576-B2	ABM3B-24.576MHZ-B2-T	24.576					
815-ABM3B-25-B2	ABM3B-25.000MHZ-B2-T	25.000					
815-ABM3B-27-B2	ABM3B-27.000MHZ-B2-T	27.000					
815-ABM3B-30-B2	ABM3B-30.000MHZ-B2-T	30.000					
815-ABM3B-32-B2	ABM3B-32.000MHZ-B2-T	32.000					
815-ABM3B-40-B2	ABM3B-40.000MHZ-B2-T	40.000					
815-ABM3B-48-B2	ABM3B-48.000MHZ-B2-T	48.000					

ABM8G GLASS SEALED CRYSTALS

Features:

- Low in height; suitable for thin equipment
- Glass sealed package assures high reliability and high temperature operation



Applications:

- Automotive applications
- High Density Applications
- Modems, communication and test equipment
- PCMCIA, Wireless applications

RoHS Compliant

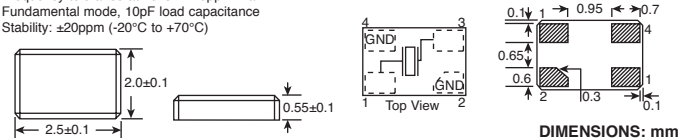
MOUSER STOCK NO.	Abrakon Part No.	Frequency (KHz)	Price Each				
			1	10	100	500	1000
-20°C +7°C Freq. Tol. 30ppm							
815-ABM8G-12-B4Y-T	ABM8G-12.000MHZ-B4Y-T	12.00000					
815-ABM8G-12.2-B4Y-T	ABM8G-12.288MHZ-B4Y-T	12.28800					
815-ABM8G-13-B4Y-T	ABM8G-13.000MHZ-B4Y-T	13.00000					
815-ABM8G-13.5-B4Y-T	ABM8G-13.560MHZ-B4Y-T	13.56000					
815-ABM8G-14.3-B4Y-T	ABM8G-14.31818MHZ-B4Y-T	14.31818					
815-ABM8G-14.7-B4Y-T	ABM8G-14.7456MHZ-B4Y-T	14.74560					
815-ABM8G-16-B4Y-T	ABM8G-16.000MHZ-B4Y-T	16.00000					
815-ABM8G-16.3-B4Y-T	ABM8G-16.384MHZ-B4Y-T	16.38400					
815-ABM8G-18.4-B4Y-T	ABM8G-18.432MHZ-B4Y-T	18.43200					
815-ABM8G-20-B4Y-T	ABM8G-20.000MHZ-B4Y-T	20.00000					
815-ABM8G-22.1-B4Y-T	ABM8G-22.1184MHZ-B4Y-T	22.11840					
815-ABM8G-24-B4Y-T	ABM8G-24.000MHZ-B4Y-T	24.00000					
815-ABM8G-24.5-B4Y-T	ABM8G-24.576MHZ-B4Y-T	24.57600					
815-ABM8G-25-B4Y-T	ABM8G-25.000MHZ-B4Y-T	25.00000					
815-ABM8G-26-B4Y-T	ABM8G-26.000MHZ-B4Y-T	26.00000					
815-ABM8G-27-B4Y-T	ABM8G-27.000MHZ-B4Y-T	27.00000					
815-ABM8G-40-B4Y-T	ABM8G-40.000MHZ-B4Y-T	40.00000					
-40°C +85°C Freq. Tol. 20ppm							
815-ABM8G-12-18D2Y	ABM8G-12.000MHZ-18-D2Y-T	12.00000					
815-ABM8G-13.5-18D2Y	ABM8G-13.560MHZ-18-D2Y-T	13.56000					
815-ABM8G-14.3-18D2Y	ABM8G-14.31818MHZ-18-D2Y-T	14.31818					
815-ABM8G-14.7-18D2Y	ABM8G-14.7456MHZ-18-D2Y-T	14.74560					
815-ABM8G-16-18D2Y	ABM8G-16.000MHZ-18-D2Y-T	16.00000					
815-ABM8G-18.4-18D2Y	ABM8G-18.432MHZ-18-D2Y-T	18.43200					
815-ABM8G-19.6-18D2Y	ABM8G-19.6608MHZ-18-D2Y-T	19.66080					
815-ABM8G-20-18D2Y	ABM8G-20.000MHZ-18-D2Y-T	20.00000					
815-ABM8G-22.1-18D2Y	ABM8G-22.1184MHZ-18-D2Y-T	22.11840					
815-ABM8G-24-18D2Y	ABM8G-24.000MHZ-18-D2Y-T	24.00000					
815-ABM8G-24.5-18D2Y	ABM8G-24.576MHZ-18-D2Y-T	24.57600					
815-ABM8G-25-18D2Y	ABM8G-25.000MHZ-18-D2Y-T	25.00000					
815-ABM8G-26-18D2Y	ABM8G-26.000MHZ-18-D2Y-T	26.00000					
815-ABM8G-27-18D2Y	ABM8G-27.000MHZ-18-D2Y-T	27.00000					
815-ABM8G-40-18D2Y	ABM8G-40.000MHZ-18-D2Y-T	40.00000					
815-ABM8G-48-18D2Y	ABM8G-48.000MHZ-18-D2Y-T	48.00000					

ABM10 SERIES ULTRA MINI CERAMIC, 2 X 2.5

Features:

- Operating temperature: -20°C to +80°C
- Frequency tolerance at 25°C: ± 20ppm max.
- Fundamental mode, 10pF load capacitance
- Stability: ±20ppm (-20°C to +70°C)

RoHS Compliant



MOUSER STOCK NO.	Abrakon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABM10-22.118E20T	ABM10-22.1184MHZ-E20-T	22.1184					
815-ABM10-24-E20-T	ABM10-24.000MHZ-E20-T	24.000					
815-ABM10-24.576E20T	ABM10-24.576MHZ-E20-T	24.576					
815-ABM10-25-E20-T	ABM10-25.000MHZ-E20-T	25.000					
815-ABM10-27-E20-T	ABM10-27.000MHZ-E20-T	27.000					
815-ABM10-30-E20-T	ABM10-30.000MHZ-E20-T	30.000					
815-ABM10-40-E20-T	ABM10-40.000MHZ-E20-T	40.000					
815-ABM10-48-E20-T	ABM10-48.000MHZ-E20-T	48.000					

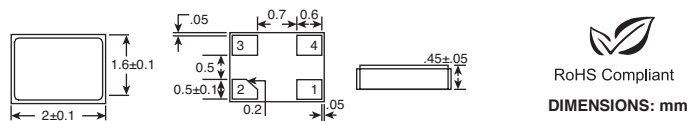
ABM11 SERIES ULTRA MINI CERAMIC, 1.6 X 2

Features:

- Fundamental mode
- Suitable for reflow
- Tight Stability available
- Ceramic package and metal lid assures high precision and reliability
- Seam sealing

Applications:

- Communication and Test equipment
- High Density applications
- PCMCIA and wireless applications



RoHS Compliant

815-ABM11-20-B7G-T	ABM11-20.000MHZ-B7G-T	20.000					
815-ABM11-24-B7G-T	ABM11-24.000MHZ-B7G-T	24.000					
815-ABM11-25-B7G-T	ABM11-25.000MHZ-B7G-T	25.000					
815-ABM11-26-B7G-T	ABM11-26.000MHZ-B7G-T	26.000					
815-ABM11-27-B7G-T	ABM11-27.000MHZ-B7G-T	27.000					
815-ABM11-28.6-B7G-T	ABM11-28.6363MHZ-B7G-T	28.6364					
815-ABM11-30-B7G-T	ABM11-30.000MHZ-B7G-T	30.000					
815-ABM11-32-B7G-T	ABM11-32.000MHZ-B7G-T	32.000					
815-ABM11-38.4-B7G-T	ABM11-38.400MHZ-B7G-T	38.400					
815-ABM11-40-B7G-T	ABM11-40.000MHZ-B7G-T	40.000					
815-ABM11-44-B7G-T	ABM11-44.000MHZ-B7G-T	44.000					
815-ABM11-48-B7G-T	ABM11-48.000MHZ-B7G-T	48.000					

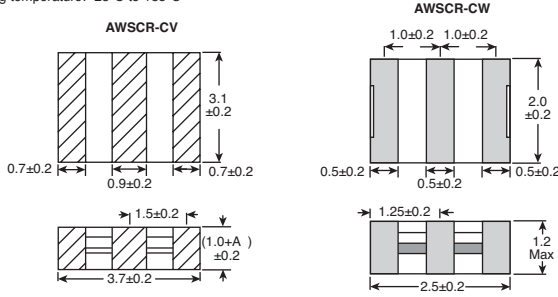
ABRACON Ceramic Resonators and SAW Products



RoHS Compliant This product is RoHS compliant.

AWSCR SERIES BUILT-IN CAP, CERAMIC RESONATORS, SMD

- Features:**
- Industrial grade
 - Frequency tolerance: $\pm 0.5\%$
 - Operating temperature: -25°C to $+85^{\circ}\text{C}$



A stands for the thickness of the ceramic element, which varies with the frequency

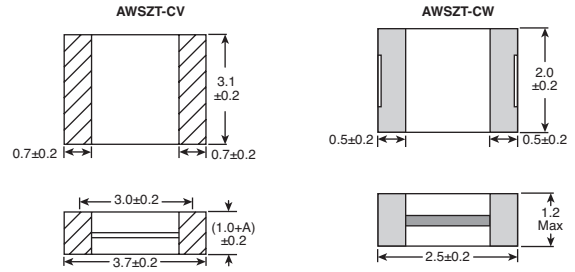
DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each				Reel Qty.	Price Per Piece
			1	10	100	500		
3.7mm x 3.1mm								
815-AWSCR-8.00CV-T	AWSCR-8.00CV-T	8.0000					1000	
815-AWSCR-10.00CV-T	AWSCR-10.00CV-T	10.0000					1000	
815-AWSCR-11.00CV-T	AWSCR-11.00CV-T	11.0000					1000	
815-AWSCR-12.00CV-T	AWSCR-12.00CV-T	12.0000					1000	
815-AWSCR-16.00CV-T	AWSCR-16.00CV-T	16.0000					1000	
815-AWSCR-16.93CV-T	AWSCR-16.93CV-T	16.9300					1000	
815-AWSCR-18.43CV-T	AWSCR-18.43CV-T	18.4300					1000	
815-AWSCR-20.00CV-T	AWSCR-20.00CV-T	20.0000					1000	
815-AWSCR-24.00CV-T	AWSCR-24.00CV-T	24.0000					1000	
815-AWSCR-25.00CV-T	AWSCR-25.00CV-T	25.0000					1000	
815-AWSCR-27.00CV-T	AWSCR-27.00CV-T	27.0000					1000	
815-AWSCR-30.00CV-T	AWSCR-30.00CV-T	30.0000					1000	
815-AWSCR-32.00CV-T	AWSCR-32.00CV-T	32.0000					1000	
815-AWSCR-40.00CV-T	AWSCR-40.00CV-T	40.0000					1000	
815-AWSCR-48.00CV-T	AWSCR-48.00CV-T	48.0000					1000	
815-AWSCR-50.00CV-T	AWSCR-50.00CV-T	50.0000					1000	
2.5mm x 2.0mm								
815-AWSCR-20.00CW-T	AWSCR-20.00CW-T	20.0000					3000	
815-AWSCR-24.00CW-T	AWSCR-24.00CW-T	24.0000					3000	
815-AWSCR-25.00CW-T	AWSCR-25.00CW-T	25.0000					3000	
815-AWSCR-27.00CW-T	AWSCR-27.00CW-T	27.0000					3000	
815-AWSCR-30.00CW-T	AWSCR-30.00CW-T	30.0000					3000	
815-AWSCR-32.00CW-T	AWSCR-32.00CW-T	32.0000					3000	
815-AWSCR-33.00CW-T	AWSCR-33.00CW-T	33.0000					3000	
815-AWSCR-40.00CW-T	AWSCR-40.00CW-T	40.0000					3000	
815-AWSCR-48.00CW-T	AWSCR-48.00CW-T	48.0000					3000	

AWSZT SERIES CERAMIC RESONATORS, SMD

- Features:**
- Industrial grade
 - Frequency tolerance: $\pm 0.5\%$
 - Operating temperature: -25°C to $+85^{\circ}\text{C}$



A stands for the thickness of the ceramic element, which varies with the frequency

DIMENSIONS: mm

For quantities greater than listed, call for quote.

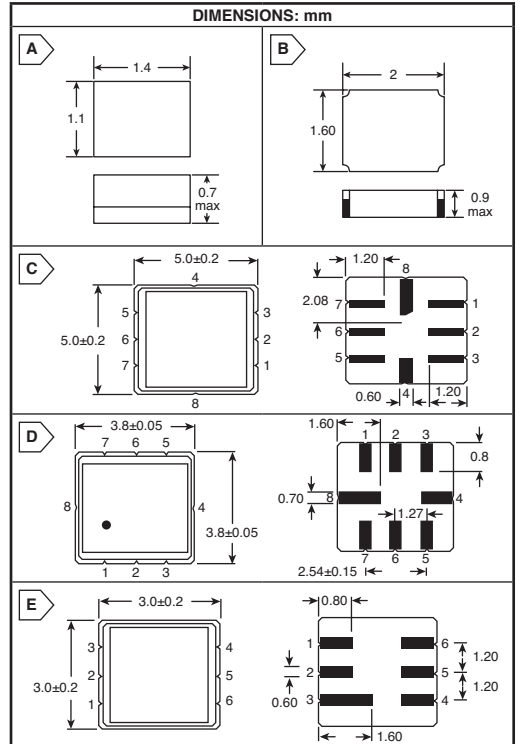
MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each				Reel Qty.	Price Per Piece
			1	10	100	500		
3.7mm x 3.1mm								
815-AWSZT-8.00CV-T	AWSZT-8.00CV-T	8.0000					1000	
815-AWSZT-10.00CV-T	AWSZT-10.00CV-T	10.0000					1000	
815-AWSZT-12.00CV-T	AWSZT-12.00CV-T	12.0000					1000	
815-AWSZT-16.00CV-T	AWSZT-16.00CV-T	16.0000					1000	
815-AWSZT-16.93CV-T	AWSZT-16.93CV-T	16.9300					1000	
815-AWSZT-18.43CV-T	AWSZT-18.43CV-T	18.4300					1000	
815-AWSZT-20.00CV-T	AWSZT-20.00CV-T	20.0000					1000	
815-AWSZT-24.00CV-T	AWSZT-24.00CV-T	24.0000					1000	
815-AWSZT-25.00CV-T	AWSZT-25.00CV-T	25.0000					1000	
815-AWSZT-27.00CV-T	AWSZT-27.00CV-T	27.0000					1000	
815-AWSZT-32.00CV-T	AWSZT-32.00CV-T	32.0000					1000	
815-AWSZT-40.00CV-T	AWSZT-40.00CV-T	40.0000					1000	
815-AWSZT-48.00CV-T	AWSZT-48.00CV-T	48.0000					1000	
815-AWSZT-50.00CV-T	AWSZT-50.00CV-T	50.0000					1000	
2.5mm x 2.0mm								
815-AWSZT-20.00CW-T	AWSZT-20.00CW-T	20.0000					3000	
815-AWSZT-24.00CW-T	AWSZT-24.00CW-T	24.0000					3000	
815-AWSZT-25.00CW-T	AWSZT-25.00CW-T	25.0000					3000	
815-AWSZT-27.00CW-T	AWSZT-27.00CW-T	27.0000					3000	
815-AWSZT-30.00CW-T	AWSZT-30.00CW-T	30.0000					3000	
815-AWSZT-32.00CW-T	AWSZT-32.00CW-T	32.0000					3000	
815-AWSZT-33.00CW-T	AWSZT-33.00CW-T	33.0000					3000	
815-AWSZT-40.00CW-T	AWSZT-40.00CW-T	40.0000					3000	
815-AWSZT-48.00CW-T	AWSZT-48.00CW-T	48.0000					3000	

SAW FILTERS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Center Frequency (MHz)	Bandwidth (MHz)	Insertion Loss (dB)	Price Each			
						1	10	50	100
815-AFS14A11-722-T2	AFS14A11-722.00-T2	A	722	11	2.1				
815-AFS14A26-915-T2	AFS14A26-915.00-T2	A	915	26	2.5				
815-AFS14A40-1900-T2	AFS14A40-1900.00-T2	A	1900	40	2.0				
815-AFS14A04-1575-T2	AFS14A04-1575.42-T2	A	1575.42	40	0.90				
815-AFS14A72-2436-T2	AFS14A72-2436.00-T2	A	2436	72	3.5				
815-AFS20A05-719-T2	AFS20A05-719.00-T2	B	719	5	2.70				
815-AFS20A26-915-T2	AFS20A26-915.00-T2	B	915	26	2				
815-AFS20A20-1910-T2	AFS20A20-1910.00-T2	B	1910	20	1.20				
815-AFS20A02-1575-T2	AFS20A02-1575.42-T2	B	1575.42	2	1.15				
815-AFS20A42-1575-T2	AFS20A42-1575.42-T2	B	1575.42	42	1.20				
815-AFS20A53-1575-T2	AFS20A53-1575.42-T2	B	1575.42	53	2.1				
815-AFS315E	AFS315E	C	315	± 0.3	3.0				
815-AFS390E	AFS390E	C	390	± 0.4	1.7				
815-AFS418S3	AFS418S3	D	418	± 2	2.5				
815-AFS434S3	AFS434S3-T	D	434	± 2	2.5				
815-AFS868.35S3	AFS868.35S3	D	868	± 1	3.5				
815-AFS915S3	AFS915S3	D	915	± 3.5	2.9				
815-AFS916.5S3	AFS916.5S3	D	916.5	± 0.6	4.5				
815-AFS930S3	AFS930S3-T	D	930	± 2	2.8				
815-AFS1575.42S4	AFS1575.42S4	E	1575.42	± 1.2	1.5				
815-AFS1842.5S4	AFS1842.5S4	E	1842.5	± 37.5	2.5				



SAW RESONATORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Center Frequency (MHz)	Bandwidth (MHz)	Insertion Loss (dB)	Price Each			
						1	10	50	100
815-ASR303.825E	ASR303.825E	C	303.825	± 75	1.3				
815-ASR423.22E	ASR423.22E	C	423.22	± 75	1.3				
815-ASR433.42E	ASR433.42E	C	433.42	± 75	1.3				
815-ASR433.92E	ASR433.92E	C	433.92	± 75	1.3				
815-ASR868.35E	ASR868.35E	C	868.35	± 250	1.5				
815-ASR915E	ASR915E	C	915	± 250	1.5				

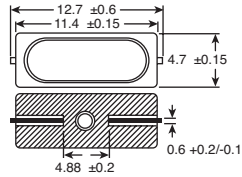
ABRACON Microprocessor Crystals



ABLS SERIES SMD MICROPROCESSOR CRYSTALS, HC49SM

RoHS Compliant This product is RoHS compliant.

- Features:**
- Operating temperature: -20°C to +70°C
 - 18pF load capacitance
 - Stability: ±50ppm (-20°C to +70°C)



DIMENSIONS: mm



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq (MHz)	Freq Tol. ±	Price Each				
				1	10	50	100	
815-ABLS-3.579545B2	ABLS-3.579545MHZ-B2-T	3.57955	20ppm					
815-ABLS-3.6864-B2	ABLS-3.6864MHZ-B2-T	3.6864	20ppm					
815-ABLS-4-B2	ABLS-4.000MHZ-B2-T	4.0000	20ppm					
815-ABLS-4.9152-B2	ABLS-4.9152MHZ-B2-T	4.9152	20ppm					
815-ABLS-5-B2	ABLS-5.000MHZ-B2-T	5.0000	20ppm					
815-ABLS-7.3728-B2	ABLS-7.3728MHZ-B2-T	7.3728	20ppm					
815-ABLS-8-B2	ABLS-8.000MHZ-B2-T	8.0000	20ppm					
815-ABLS-8.192-B2	ABLS-8.192MHZ-B2-T	8.1920	20ppm					
815-ABLS-10-B2	ABLS-10.000MHZ-B2-T	10.0000	20ppm					
815-ABLS-11.0592-B2	ABLS-11.0592MHZ-B2-T	11.0592	20ppm					
815-ABLS-12-B2	ABLS-12.000MHZ-B2-T	12.0000	20ppm					
815-ABLS-12.288-B2	ABLS-12.288MHZ-B2-T	12.2880	20ppm					
815-ABLS-14.31818-B2	ABLS-14.31818MHZ-B2-T	14.31818	20ppm					
815-ABLS-14.7456-B2	ABLS-14.7456MHZ-B2-T	14.7456	20ppm					
815-ABLS-16-B2	ABLS-16.000MHZ-B2-T	16.0000	20ppm					
815-ABLS-18.432-B2	ABLS-18.432MHZ-B2-T	18.4320	20ppm					
815-ABLS-19.6608-B2	ABLS-19.6608MHZ-B2-T	19.6608	20ppm					
815-ABLS-20-B2	ABLS-20.000MHZ-B2-T	20.0000	20ppm					
815-ABLS-22.1184-B2	ABLS-22.1184MHZ-B2-T	22.1184	20ppm					
815-ABLS-24-B2	ABLS-24.000MHZ-B2-T	24.0000	20ppm					
815-ABLS-24.576-B2	ABLS-24.576MHZ-B2F-T	24.5760	20ppm					
815-ABLS-25-B2	ABLS-25.000MHZ-B2F-T	25.0000	20ppm					
815-ABLS-27-B2	ABLS-27.000MHZ-B2F-T	27.0000	20ppm					
815-ABLS-32-B2	ABLS-32.000MHZ-B2-T	32.7680	20ppm					
815-ABLS-48-B2	ABLS-48.000MHZ-B2-T	48.0000	20ppm					
815-ABLS-49.152-B2	ABLS-49.152MHZ-B2-T	49.1520	20ppm					
815-ABLS-3.579545M-T	ABLS-3.579545MHZ-B4-T	3.579545	30ppm					
815-ABLS-3.6864M-T	ABLS-3.6864MHZ-B4-T	3.686400	30ppm					
815-ABLS-4.0M-T	ABLS-4.000MHZ-B4-T	4.000000	30ppm					
815-ABLS-4.194304M-T	ABLS-4.194304MHZ-B4-T	4.194304	30ppm					
815-ABLS-4.433619M-T	ABLS-4.433619MHZ-B4-T	4.433619	30ppm					
815-ABLS-4.500M-T	ABLS-4.500MHZ-B4-T	4.500000	30ppm					
815-ABLS-4.9152M-T	ABLS-4.9152MHZ-B4-T	4.915200	30ppm					
815-ABLS-5.0M-T	ABLS-5.000MHZ-B4-T	5.000000	30ppm					
815-ABLS-6.0M-T	ABLS-6.000MHZ-B4-T	6.000000	30ppm					
815-ABLS-6.144M-T	ABLS-6.144MHZ-B4-T	6.144000	30ppm					
815-ABLS-6.7458M-T	ABLS-6.7458MHZ-B4-T	6.745800	30ppm					
815-ABLS-7.3728M-T	ABLS-7.3728MHZ-B4-T	7.372800	30ppm					
815-ABLS-8.0M-T	ABLS-8.000MHZ-B4-T	8.000000	30ppm					
815-ABLS-9.216M-T	ABLS-9.216MHZ-B4-T	9.216000	30ppm					
815-ABLS-9.8304M-T	ABLS-9.8304MHZ-B4-T	9.830400	30ppm					
815-ABLS-10.0M-T	ABLS-10.000MHZ-B4-T	10.000000	30ppm					
815-ABLS-10.240M-T	ABLS-10.240MHZ-B4-T	10.240000	30ppm					
815-ABLS-11.0592M-T	ABLS-11.0592MHZ-B4-T	11.059200	30ppm					
815-ABLS-12.0M-T	ABLS-12.000MHZ-B4-T	12.000000	30ppm					
815-ABLS-12.288M-T	ABLS-12.288MHZ-B4-T	12.288000	30ppm					
815-ABLS-13.0M-T	ABLS-13.000MHZ-B4-T	13.000000	30ppm					
815-ABLS-13.500M-T	ABLS-13.500MHZ-B4-T	13.500000	30ppm					
815-ABLS-14.31818M-T	ABLS-14.31818MHZ-B4-T	14.318180	30ppm					
815-ABLS-14.7456M-T	ABLS-14.7456MHZ-B4-T	14.745600	30ppm					
815-ABLS-15.0M-T	ABLS-15.000MHZ-B4-T	15.000000	30ppm					
815-ABLS-15.360M-T	ABLS-15.360MHZ-B4-T	15.360000	30ppm					
815-ABLS-16.0M-T	ABLS-16.000MHZ-B4-T	16.000000	30ppm					
815-ABLS-16.384M-T	ABLS-16.384MHZ-B4-T	16.384000	30ppm					
815-ABLS-16.9344M-T	ABLS-16.9344MHZ-B4-T	16.934400	30ppm					
815-ABLS-18.0M-T	ABLS-18.000MHZ-B4-T	18.000000	30ppm					
815-ABLS-18.432M-T	ABLS-18.432MHZ-B4-T	18.432000	30ppm					
815-ABLS-19.6608M-T	ABLS-19.6608MHZ-B4-T	19.660800	30ppm					
815-ABLS-20.0M-T	ABLS-20.000MHZ-B4-T	20.000000	30ppm					
815-ABLS-24.0M-T	ABLS-24.000MHZ-B4-T	24.000000	30ppm					
815-ABLS-24.576M-F-T	ABLS-24.576MHZ-B4-F-T	24.576000	30ppm					
815-ABLS-25.0M-F-T	ABLS-25.000MHZ-B4-F-T	25.000000	30ppm					
815-ABLS-27.0M-F-T	ABLS-27.000MHZ-B4-F-T	27.000000	30ppm					
815-ABLS-28.6363M-F-T	ABLS-28.6363MHZ-B4-F-T	28.636360	30ppm					
815-ABLS-30.0M-F-T	ABLS-30.000MHZ-B4-F-T	30.000000	30ppm					
815-ABLS-32.0M-F-T	ABLS-32.000MHZ-B4-F-T	32.000000	30ppm					

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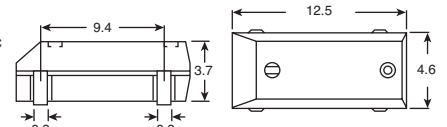
mouser.com/abracon



ABSM2 SERIES SMD MICROPROCESSOR CRYSTALS, MOLDED PLASTIC

Features:

- Operating temperature: -10°C to +60°C
- Frequency tolerance: ±30ppm
- Stability: ±50ppm (-10°C to +60°C)
- Load capacitance C_L : 18pF



DIMENSIONS: mm



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-ABSM2-3.579545-4	ABSM2-3.579545MHZ-4-T	3.579545					
815-ABSM2-3.6864-4	ABSM2-3.6864MHZ-4-T	3.686400					
815-ABSM2-4.000-4	ABSM2-4.000MHZ-4-T	4.000000					
815-ABSM2-4.9152-4	ABSM2-4.9152MHZ-4-T	4.915200					
815-ABSM2-5.000-4	ABSM2-5.000MHZ-4-T	5.000000					
815-ABSM2-7.3728-4	ABSM2-7.3728MHZ-4-T	7.372800					
815-ABSM2-8.000-4	ABSM2-8.000MHZ-4-T	8.000000					
815-ABSM2-8.192-4	ABSM2-8.192MHZ-4-T	8.192000					
815-ABSM2-10.000-4	ABSM2-10.000MHZ-4-T	10.000000					
815-ABSM2-11.0592-4	ABSM2-11.0592MHZ-4-T	11.059200					
815-ABSM2-12.000-4	ABSM2-12.000MHZ-4-T	12.000000					
815-ABSM2-12.288-4	ABSM2-12.288MHZ-4-T	12.288000					
815-ABSM2-14.31818-4	ABSM2-14.31818MHZ-4-T	14.318180					
815-ABSM2-14.7456-4	ABSM2-14.7456MHZ-4-T	14.745600					
815-ABSM2-16.000-4	ABSM2-16.000MHZ-4-T	16.000000					
815-ABSM2-18.432-4	ABSM2-18.432MHZ-4-T	18.432000					
815-ABSM2-19.6608-4	ABSM2-19.6608MHZ-4-T	19.660800					
815-ABSM2-20.000-4	ABSM2-20.000MHZ-4-T	20.000000					
815-ABSM2-22.1184-4	ABSM2-22.1184MHZ-4-T	22.118400					
815-ABSM2-24.000-4	ABSM2-24.000MHZ-4-T	24.000000					
815-ABSM2-24.576-4	ABSM2-24.576MHZ-4-T	24.576000					
815-ABSM2-25.000-4	ABSM2-25.000MHZ-4-T	25.000000					
815-ABSM2-27.000-4	ABSM2-27.000MHZ-4-T	27.000000					
815-ABSM2-32.000-4	ABSM2-32.000MHZ-4-T	32.768000					
815-ABSM2-48.000-4	ABSM2-48.000MHZ-4-T	48.000000					

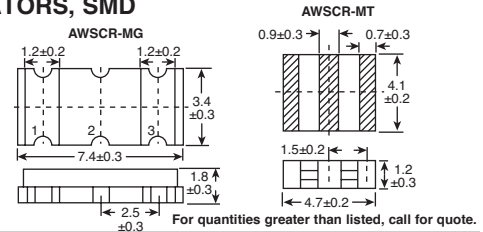
Frequency Control Abracon



AWSCR SERIES BUILT-IN CAP, CERAMIC RESONATORS, SMD

Features:

- Frequency tolerance: ±0.5%
- Operating temperature: -40°C to +85°C
- Industrial grade



DIMENSIONS: mm



RoHS Compliant

For quantities greater than listed, call for quote.

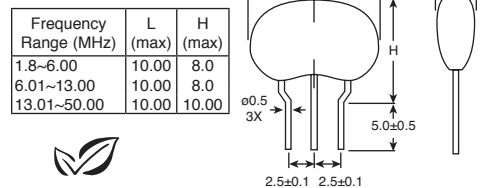
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-AWSCR-3.58MGD-T	AWSCR-3.58MGD-T	3.5800					
815-AWSCR-4.00MGD-T	AWSCR-4.00MGD-T	4.0000					
815-AWSCR-6.00MGD-T	AWSCR-6.00MGD-T	6.0000					
815-AWSCR-8.00MGD-T	AWSCR-8.00MGD-T	8.0000					
815-AWSCR-16.00MTD-T	AWSCR-16.00MTD-T	16.0000					
815-AWSCR-20.00MTD-T	AWSCR-20.00MTD-T	20.0000					
815-AWSCR-24.00MTD-T	AWSCR-24.00MTD-T	24.0000					
815-AWSCR-25.00MTD-T	AWSCR-25.00MTD-T	25.0000					
815-AWSCR-32.00MTD-T	AWSCR-32.00MTD-T	32.0000					
815-AWSCR-40.00MTD-T	AWSCR-40.00MTD-T	40.0000					
815-AWSCR-48.00MTD-T	AWSCR-48.00MTD-T	48.0000					
815-AWSCR-50.00MTD-T	AWSCR-50.00MTD-T	50.0000					



AWCR SERIES BUILT-IN CAP CERAMIC RESONATORS, LEADED

Features:

- Frequency Tolerance: ±0.5%
- Operating Temperature: -40°C to +85°C
- Low resonant impedance
- Excellent environmental resistance
- Reflow capable
- High stability washable type
- Industrial grade



DIMENSIONS: mm

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-AWCR-2.00MD	AWCR-2.00MD	2.0000					
815-AWCR-3.58MD	AWCR-3.58MD	3.5800					
815-AWCR-4.00MD	AWCR-4.00MD	4.0000					
815-AWCR-6.00MD	AWCR-6.00MD	6.0000					
815-AWCR-12.00MD	AWCR-12.00MD	12.0000					
815-AWCR-16.00MD	AWCR-16.00MD	16.0000					
815-AWCR-20.00MD	AWCR-20.00MD	20.0000					

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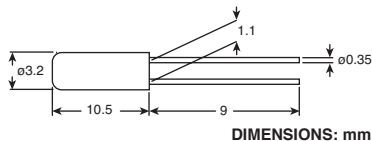
AB308 SERIES HIGH FREQUENCY, CYLINDRICAL TYPE, MICROPROCESSOR CRYSTALS

Features:

- Operating Temperature: -10°C to +60°C
- Frequency tolerance: ±30ppm max.
- 18pF load capacitance
- Stability: ±50ppm (-10°C to +60°C)



RoHS Compliant



DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-AB308-4.000	AB308-4.000MHZ	4.0000					
815-AB308-4.9152	AB308-4.9152MHZ	4.9152					
815-AB308-5.000	AB308-5.000MHZ	5.0000					
815-AB308-6.000	AB308-6.000MHZ	6.0000					
815-AB308-7.3728	AB308-7.3728MHZ	7.3728					
815-AB308-8.000	AB308-8.000MHZ	8.0000					

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-AB308-10.000	AB308-10.000MHZ	10.0000					
815-AB308-12.000	AB308-12.000MHZ	12.0000					
815-AB308-12.288	AB308-12.288MHZ	12.2880					
815-AB308-12.352	AB308-12.352MHZ	12.3520					
815-AB308-16.000	AB308-16.000MHZ	16.0000					
815-AB308-16.257	AB308-16.257MHZ	16.2570					
815-AB308-16.667	AB308-16.667MHZ	16.6670					
815-AB308-20.000	AB308-20.000MHZ	20.0000					
815-AB308-26.540	AB308-26.540MHZ	26.5400					
815-AB308-28.6363	AB308-28.6363MHZ	28.6363					
815-AB308-29.4912	AB308-29.4912MHZ	29.4912					
815-AB308-53.125	AB308-53.125MHZ	53.1250					

Frequency Control

Abracon



32.768KHZ TUNING FORK WATCH CRYSTALS

Series	Operating Temperature	Frequency Tolerance
AB-T Series	-10°C to +60°C	±20ppm max.
AB26TRB Series	-40°C to +85°C	±20ppm max.
ABS13 Series	-40°C to +85°C	±20ppm max.
ABS25 Series	-40°C to +85°C	±20ppm max.



RoHS Compliant

AB Series Tuning Fork Crystals

- Frequency range from 30kHz to 200kHz
- Excellent heat resistance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Frequency (MHz)	Price Each				
				1	25	100	500	1000
815-AB15T-32.768KHZ	AB15T-32.768KHZ	A	32.768000					
815-AB26T-32.768KHZ	AB26T-32.768KHZ	B	32.768000					
815-AB38T-32.768KHZ	AB38T-32.768KHZ	C	32.768000					

AB26TRB Series Tuning Fork, Leaded

- Frequency from 30kHz to 165kHz
- Formed leads for low cost SMD type

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Frequency (MHz)	Price Each				
				1	25	100	500	1000
815-AB26TRB-32.76KHZ	AB26TRB-32.76KHZ	D	32.768000					

ABS05 Series SMD Ceramic Ultra Miniature

- Smallest SMD type, 0.5 mm height
- Heat resistant packaging



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Load Cap. (pF)	Price Each				
					1	10	50	100	500
815-ABS05-32.768K9T	ABS05-32.768KHZ-9-T	E	32.768	9					
815-ABS05-32.768K-T	ABS05-32.768KHZ-T	E	32.768	12.5					

ABS06 Series SMD Ceramic Ultra Miniature

- Smallest SMD type, 0.6 mm height
- Heat resistant packaging



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Load Cap. (pF)	Price Each				
					1	10	50	100	500
815-ABS06-32.768K-T	ABS06-32.768KHZ-T	E	32.768	12.5					
815-ABS06L-32.768KT	ABS06L-32.768KHZ-T	E	32.768	12.5					

ABS07 Series SMD Ceramic Ultra Miniature

- Small SMD type, 0.9 mm height
- Heat resistant packaging



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Load Cap. (pF)	Price Each				
					1	50	100	1500	3000
815-ABS07-32.768K6T	ABS07-32.768KHZ-6-T	E	32.768	6					
815-ABS07-32.768K7T	ABS07-32.768KHZ-7-T	E	32.768	7					
815-ABS07-32.768K9T	ABS07-32.768KHZ-9-T	E	32.768	9					
815-ABS07-32.768KHZT	ABS07-32.768KHZ-T	E	32.768	12.5					

ABS09 Series SMD Ceramic Ultra Miniature

- Small SMD type, 0.9 mm height
- Heat resistant packaging

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Load Cap. (pF)	Price Each				
					1	50	100	1500	3000
815-ABS09-32.768K7T	ABS09-32.768KHZ-7-T	E	32.768	7					
815-ABS09-32.768K9T	ABS09-32.768KHZ-9-T	E	32.768	9					
815-ABS09-32.768KHZT	ABS09-32.768KHZ-T	E	32.768	12.5					

ABS10 Series SMD Ceramic Ultra Miniature

- Small SMD type, 1.0 mm height
- Heat resistant packaging

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Load Cap. (pF)	Price Each				
					1	50	100	1500	3000
815-ABS10-32.768K7T	ABS10-32.768KHZ-7-T	E	32.768	7					
815-ABS10-32.768K9T	ABS10-32.768KHZ-9-T	E	32.768	9					
815-ABS10-32.768KHZT	ABS10-32.768KHZ-T	E	32.768	12.5					

ABS13 Series Molded Plastic, SMD

- Small SMD type, 1.3 mm height
- Heat resistant packaging

For quantities greater than listed, call for quote.

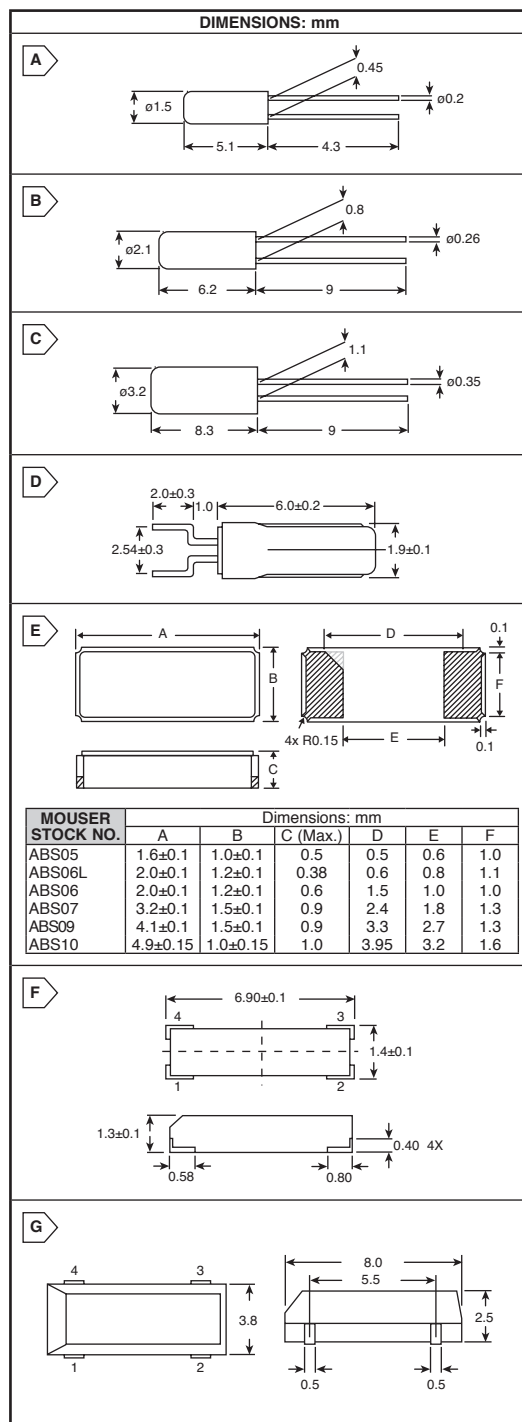
MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Load Cap. (pF)	Price Each				
					1	50	100	1500	3000
815-ABS13-32.768KHZT	ABS13-32.768KHZ-T	F	32.768	12.5					

ABS25 Series Molded Plastic, SMD

- Small SMD type, 2.5 mm height
- Heat resistant packaging

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Freq. (MHz)	Load Cap. (pF)	Price Each				
					1	50	100	1500	3000
815-ABS25-32.768KHZT	ABS25-32.768KHZ-T	G	32.768	12.5					



ABRACON Crystals and Modules



This product is RoHS compliant.

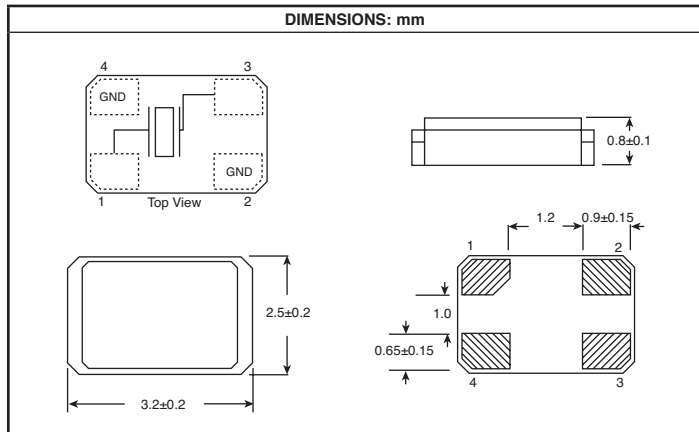


ABM8 SERIES ULTRA MINI CERAMIC, 2.5 X 3.2

Features:

- Operating temperature: -20°C to +70°C
- Frequency tolerance at 25°C: ± 20ppm
- Fundamental mode, 18pF load capacitance
- Stability: ±20ppm (-20°C to +70°C)

DIMENSIONS: mm



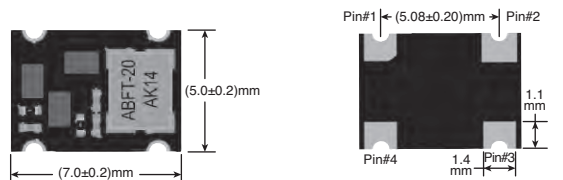
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each				
			1	10	50	100	200
815-ABM8-16-B2-T	ABM8-16.000MHZ-B2-T	16.0000					
815-ABM8-18.432-B2-T	ABM8-18.432MHZ-B2-T	18.4320					
815-ABM8-20-B2-T	ABM8-20.000MHZ-B2-T	20.0000					
815-ABM8-22.1184-B2-T	ABM8-22.1184MHZ-B2-T	22.1184					
815-ABM8-24-B2-T	ABM8-24.000MHZ-B2-T	24.0000					
815-ABM8-24.576-B2-T	ABM8-24.576MHZ-B2-T	24.5760					
815-ABM8-25-B2-T	ABM8-25.000MHZ-B2-T	25.0000					
815-ABM8-27-B2-T	ABM8-27.000MHZ-B2-T	27.0000					
815-ABM8-28.375-B2-T	ABM8-28.375MHZ-B2-T	28.3750					
815-ABM8-28.63636-B2-T	ABM8-28.63636MHZ-B2-T	28.63636					
815-ABM8-29.4912-B2-T	ABM8-29.4912MHZ-B2-T	29.4912					
815-ABM8-30-B2-T	ABM8-30.000MHZ-B2-T	30.0000					
815-ABM8-33-B2-T	ABM8-33.000MHZ-B2-T	33.0000					
815-ABM8-40-B2-T	ABM8-40.000MHZ-B2-T	40.0000					
815-ABM8-44-B2-T	ABM8-44.000MHZ-B2-T	44.0000					
815-ABM8-48-B2-T	ABM8-48.000MHZ-B2-T	48.0000					

FREQUENCY TRANSLATOR/JITTER ATTENUATOR

Features:

- 5 x 7 x 2mm SMT, RoHS Compliant reflow-able package
- Frequency translation to either 20MHz or 40MHz carrier
- +3.3V Supply Voltage
- Industrial operating temperature range (-40°C to +85°C)
- LVCMOS Output
- Internal absolute pull range ≥ ±100ppm allowing for long term drift correction



Pin#	Name
1	10.0MHz Reference Input
2	GND
3	Locked - Output
4	Vdd

DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Description	Price Each			
			1	10	50	100
815-ABFT-20.000MHZ-T2	ABFT-20.000MHZ-T2	In:10MHz Out:20MHz				
815-ABFT-40.000MHZ-T2	ABFT-40.000MHZ-T2	In:10MHz Out:40MHz				

20 MHZ FREQUENCY TRANSLATOR EVALUATION BOARD



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Description	Price Each
815-ABFT-20MHZ-EVAL	ABFT-20MHZ-EVAL	In:10MHz Out:20MHz Eval Board	

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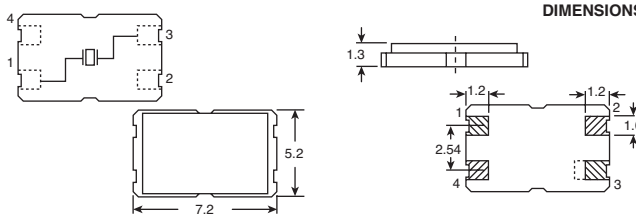
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ABMM SERIES CERAMIC, 5.2 X 7.2MM

Features:

- Operating temperature: -20°C to +70°C
- Frequency tolerance at 25°C: ±20ppm
- Fundamental mode, 18pF load capacitance
- Stability: ±50ppm (-20°C to +70°C)

DIMENSIONS: mm



For quantities greater than listed, call for quote.

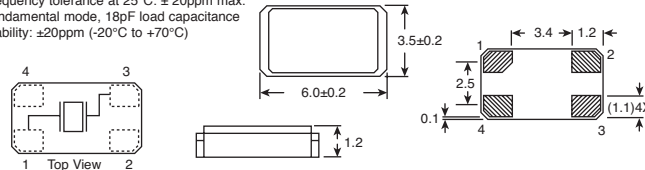
MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
815-ABMM-8-B2-T	ABMM-8.000MHZ-B2-T	8.0000				
815-ABMM-10-B2-T	ABMM-10.000MHZ-B2-T	10.0000				
815-ABMM-11.0592-B2-T	ABMM-11.0592MHZ-B2-T	11.0592				
815-ABMM-12-B2-T	ABMM-12.000MHZ-B2-T	12.0000				
815-ABMM-14.3181-B2-T	ABMM-14.3181MHZ-B2-T	14.31818				
815-ABMM-14.7456-B2-T	ABMM-14.7456MHZ-B2-T	14.7456				
815-ABMM-16-B2-T	ABMM-16.000MHZ-B2-T	16.0000				
815-ABMM-16.9344-B2-T	ABMM-16.9344MHZ-B2-T	16.9344				
815-ABMM-20B2-T	ABMM-20.000MHZ-B2-T	20.0000				
815-ABMM-24-B2-T	ABMM-24.000MHZ-B2-T	24.0000				
815-ABMM-24.576-B2-T	ABMM-24.576MHZ-B2-T	24.5760				
815-ABMM-25-B2-T	ABMM-25.000MHZ-B2-T	25.0000				
815-ABMM-27-B2-T	ABMM-27.000MHZ-B2-T	27.0000				
815-ABMM2-27-E2T	ABMM2-27.000MHZ-E2-T	27.0000				
815-ABMM2-32-E2T	ABMM2-32.000MHZ-E2-T	32.0000				

ABMM2 SERIES MINI CERAMIC, 3.5 X 6

Features:

- Operating temperature: -20°C to +70°C
- Frequency tolerance at 25°C: ± 20ppm max.
- Fundamental mode, 18pF load capacitance
- Stability: ±20ppm (-20°C to +70°C)

DIMENSIONS: mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each			
			1	10	50	100
815-ABMM2-8-E2T	ABMM2-8.000MHZ-E2-T	8.0000				
815-ABMM2-10-E2T	ABMM2-10.000MHZ-E2-T	10.0000				
815-ABMM2-11.059-E2T	ABMM2-11.0592MHZ-E2-T	11.0592				
815-ABMM2-12-E2T	ABMM2-12.000MHZ-E2-T	12.0000				
815-ABMM2-14.318-E2T	ABMM2-14.3181MHZ-E2-T	14.31818				
815-ABMM2-14.745-E2T	ABMM2-14.7456MHZ-E2-T	14.7456				
815-ABMM2-16-E2T	ABMM2-16.000MHZ-E2-T	16.0000				
815-ABMM2-16.934-E2T	ABMM2-16.9344MHZ-E2-T	16.9344				
815-ABMM2-19.660-E2T	ABMM2-19.6608MHZ-E2-T	19.6608				
815-ABMM2-20-E2T	ABMM2-20.000MHZ-E2-T	20.0000				
815-ABMM2-24-E2T	ABMM2-24.000MHZ-E2-T	24.0000				
815-ABMM2-24.576-E2T	ABMM2-24.576MHZ-E2-T	24.5760				
815-ABMM2-25-E2T	ABMM2-25.000MHZ-E2-T	25.0000				
815-ABMM2-27-E2T	ABMM2-27.000MHZ-E2-T	27.0000				
815-ABMM2-32-E2T	ABMM2-32.000MHZ-E2-T	32.0000				

SMT BLUETOOTH MODULE

Features:

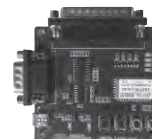
- Bluetooth Spec v2.0+EDR Compliant
- Class 2, up to 10-meter range
- Complete 2.4GHz Bluetooth® System
- Internal antenna
- On-board flash memory (8Mbits)
- Supports multiple connections



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Description	Price Each			
			1	10	50	100
815-ABBTM-2.4GHZ-T	ABBTM-2.4GHZ-T	2.4GHz 8MB Flash 3.3V				

BLUETOOTH MODULE EVALUATION BOARD



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Description	Price Each
815-ABBTM-2.4GHZ-EVAL	ABBTM-2.4GHZ-EVAL	802.15.1 Development Tools 2.4GHz	

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ABRACON SMD Crystal Clock Oscillators

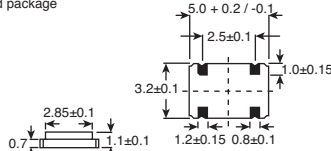


ASFL1 SERIES MINIATURE CRYSTAL CLOCK OSCILLATORS, 3.2 X 5

Features:

- Frequency Range: 1.5MHz to 125.0MHz
- Operating Temperature: -40°C to +85°C
- Stability: ±30ppm (-20°C to +70°C)
- Supply Voltage (VDD): 3.3VDC ±10%
- Low current consumption
- Tight stability option
- Glass sealed package

Pin Assignment	
1	Tristate
2	GND/Case
3	Output
4	VDD



DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-ASFL1-1.8432-EKT	ASFL1-1.8432MHZ-EK-T	1.8432					
815-ASFL1-3.6864-EKT	ASFL1-3.6864MHZ-EK-T	3.6864					
815-ASFL1-4-EK-T	ASFL1-4.000MHZ-EK-T	4.0000					
815-ASFL1-7.3728-EKT	ASFL1-7.3728MHZ-EK-T	7.3728					
815-ASFL1-8-EK-T	ASFL1-8.000MHZ-EK-T	8.0000					
815-ASFL1-10-EK-T	ASFL1-10.000MHZ-EK-T	10.0000					
815-ASFL1-11.0592EKT	ASFL1-11.0592MHZ-EK-T	11.0592					
815-ASFL1-12-EK-T	ASFL1-12.000MHZ-EK-T	12.0000					
815-ASFL1-14.3181EKT	ASFL1-14.3181MHZ-EK-T	14.3182					
815-ASFL1-14.7456EKT	ASFL1-14.7456MHZ-EK-T	14.7456					
815-ASFL1-16-EK-T	ASFL1-16.000MHZ-EK-T	16.0000					
815-ASFL1-18.432EKT	ASFL1-18.432MHZ-EK-T	18.3420					
815-ASFL1-20-EK-T	ASFL1-20.000MHZ-EK-T	20.0000					
815-ASFL1-24-EK-T	ASFL1-24.000MHZ-EK-T	24.0000					
815-ASFL1-24.576EKT	ASFL1-24.576MHZ-EK-T	24.5760					
815-ASFL1-25-EK-T	ASFL1-25.000MHZ-EK-T	25.0000					
815-ASFL1-27-EK-T	ASFL1-27.000MHZ-EK-T	27.0000					
815-ASFL1-30-EK-T	ASFL1-30.000MHZ-EK-T	30.0000					
815-ASFL1-32-EK-T	ASFL1-32.000MHZ-EK-T	32.0000					
815-ASFL1-33-EK-T	ASFL1-33.000MHZ-EK-T	33.0000					
815-ASFL1-33.333EKT	ASFL1-33.333MHZ-EK-T	33.3330					
815-ASFL1-40-EK-T	ASFL1-40.000MHZ-EK-T	40.0000					
815-ASFL1-50-EK-T	ASFL1-50.000MHZ-EK-T	50.0000					

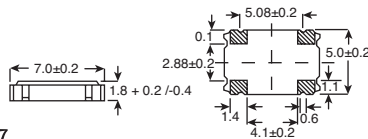


ASV SERIES CRYSTAL CLOCK OSCILLATOR, 5 X 7

Features:

- Frequency Range: 1.000MHz to 150MHz
- Operating Temperature: -40°C to +85°C
- Stability: ±20ppm (-20°C to +70°C)
- Supply Voltage (VDD): 3.3VDC ±10%
- HCMOS and TTL compatible, 3.3VDC operation

Pin Assignment	
1	Tristate enable/disable
2	GND/Case
3	Output
4	VDD



DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ASV-1.8432-EJ-T	ASV-1.8432MHZ-EJ-T	1.84320					
815-ASV-3.6864-EJ-T	ASV-3.6864MHZ-EJ-T	3.68640					
815-ASV-4-EJ-T	ASV-4.000MHZ-EJ-T	4.00000					
815-ASV-7.3728-EJ-T	ASV-7.3728MHZ-EJ-T	7.37280					
815-ASV-8-EJ-T	ASV-8.000MHZ-EJ-T	8.00000					
815-ASV-10-EJ-T	ASV-10.000MHZ-EJ-T	10.00000					
815-ASV-11.0592-EJT	ASV-11.0592MHZ-EJ-T	11.05920					
815-ASV-12-EJ-T	ASV-12.000MHZ-EJ-T	12.00000					
815-ASV-14.7456-EJ-T	ASV-14.7456MHZ-EJ-T	14.74560					
815-ASV-16-EJ-T	ASV-16.000MHZ-EJ-T	16.00000					
815-ASV-16.384-EJ-T	ASV-16.384MHZ-EJ-T	16.38400					
815-ASV-20-EJ-T	ASV-20.000MHZ-EJ-T	20.00000					
815-ASV-24-EJ-T	ASV-24.000MHZ-EJ-T	24.00000					
815-ASV-24.576-EJ-T	ASV-24.576MHZ-EJ-T	24.57600					
815-ASV-25-EJ-T	ASV-25.000MHZ-EJ-T	25.00000					
815-ASV-27-EJ-T	ASV-27.000MHZ-EJ-T	27.00000					
815-ASV-29.4912-EJ-T	ASV-29.4912MHZ-EJ-T	29.49120					
815-ASV-30-EJ-T	ASV-30.000MHZ-EJ-T	30.00000					
815-ASV-32-EJ-T	ASV-32.000MHZ-EJ-T	32.00000					
815-ASV-33-EJ-T	ASV-33.000MHZ-EJ-T	33.00000					
815-ASV-33.333-EJ-T	ASV-33.333MHZ-EJ-T	33.33300					
815-ASV-40-EJ-T	ASV-40.000MHZ-EJ-T	40.00000					
815-ASV-48-EJ-T	ASV-48.000MHZ-EJ-T	48.00000					
815-ASV-50-EJ-T	ASV-50.000MHZ-EJ-T	50.00000					

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SYNC'N GO® FREQUENCY REFERENCE

- Stand alone 10.00MHz portable precision frequency reference



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Description	Price Each
815-SYNC-10.00MHZ	SYNC-10.00MHZ	Portable Precision Frequency Reference	



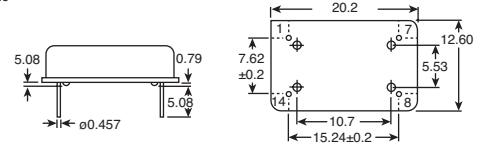
ACO/ACOL SERIES CRYSTAL CLOCK OSCILLATOR, LEADED



Features:

- Frequency Range: 500 Hz to 200 MHz
- Operating Temperature: -20°C to +70°C
- Stability: ±30ppm (-20°C to +70°C)
- HCMOS and TTL compatible
- Fast rise and fall times

Pin Assignment	
1	NC or Tristate Enable/Disable
7	GND/Case
8	Output
14	VDD



DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
5 Volt							
815-ACO-3.6864-EK	ACO-3.6864MHZ-EK	3.68640					
815-ACO-4-EK	ACO-4.000MHZ-EK	4.00000					
815-ACO-8-EK	ACO-8.000MHZ-EK	8.00000					
815-ACO-10-EK	ACO-10.000MHZ-EK	10.00000					
815-ACO-11.0592-EK	ACO-11.0592MHZ-EK	11.05920					
815-ACO-12-EK	ACO-12.000MHZ-EK	12.00000					
815-ACO-14.31818EK	ACO-14.31818MHZ-EK	14.31818					
815-ACO-16-EK	ACO-16.000MHZ-EK	16.00000					
815-ACO-18.432-EK	ACO-18.432MHZ-EK	18.43200					
815-ACO-20-EK	ACO-20.000MHZ-EK	20.00000					
815-ACO-24.576-EK	ACO-24.576MHZ-EK	24.57600					
815-ACO-25-EK	ACO-25.000MHZ-EK	25.00000					
815-ACO-32-EK	ACO-32.000MHZ-EK	32.00000					
815-ACO-32.768-EK	ACO-32.768MHZ-EK	32.76800					
815-ACO-40-EK	ACO-40.000MHZ-EK	40.00000					
815-ACO-48-EK	ACO-48.000MHZ-EK	48.00000					
815-ACO-50-EK	ACO-50.000MHZ-EK	50.00000					
3.3 Volt							
815-ACOL-4-EK	ACOL-4.000MHZ-EK	4.00000					
815-ACOL-10-EK	ACOL-10.000MHZ-EK	10.00000					
815-ACOL-11.0592-EK	ACOL-11.0592MHZ-EK	11.05920					
815-ACOL-12-EK	ACOL-12.000MHZ-EK	12.00000					
815-ACOL-14.31818EK	ACOL-14.31818MHZ-EK	14.31818					
815-ACOL-16-EK	ACOL-16.000MHZ-EK	16.00000					
815-ACOL-20-EK	ACOL-20.000MHZ-EK	20.00000					
815-ACOL-24.576-EK	ACOL-24.576MHZ-EK	24.57600					
815-ACOL-25-EK	ACOL-25.000MHZ-EK	25.00000					
815-ACOL-27-EK	ACOL-27.000MHZ-EK	27.00000					
815-ACOL-32-EK	ACOL-32.000MHZ-EK	32.00000					
815-ACOL-32.768-EK	ACOL-32.768MHZ-EK	32.76800					
815-ACOL-40-EK	ACOL-40.000MHZ-EK	40.00000					
815-ACOL-50-EK	ACOL-50.000MHZ-EK	50.00000					



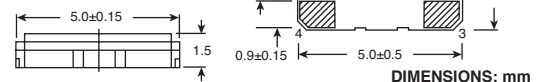
ASVTX SERIES VOLTAGE CONTROLLED TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR VCTCXO, 3.2 X 5



Features:

- Frequency range: 12.800MHz - 19.2MHz
- Operating temperature: -40°C to +85°C
- Supply voltage (Vcc): 3.0VDC ±5%
- Low current consumption
- Tolerance: ±0.5ppm @ 25°C
- Stability: ±2.5ppm (-30°C to +75°C)

Pin Assignment	
1	Vc
2	GND
3	Output
4	VCC



DIMENSIONS: mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ASVTX-09-12.800	ASVTX-09-12.800MHZ	12.80					
815-ASVTX-09-13.00	ASVTX-09-13.00MHZ	13.00					
815-ASVTX-09-14.400	ASVTX-09-14.400MHZ	14.40					
815-ASVTX-09-26	ASVTX-09-26.000MHZ	26.00					

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ABRACON Crystal Oscillators



This product is RoHS compliant.



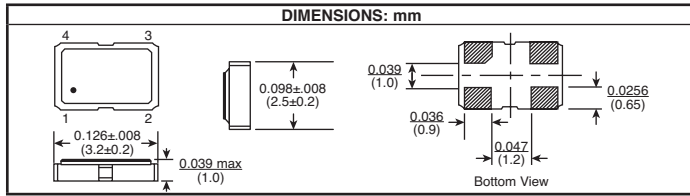
ASE SERIES CMOS SMD, 3.2 X 2.5

Features:

- Frequency Range: 0.625 to 200MHz
- Operating Temp: -10°C to +70°C

Applications:

- CCD clock for VTR camera
- PDA, wireless communication



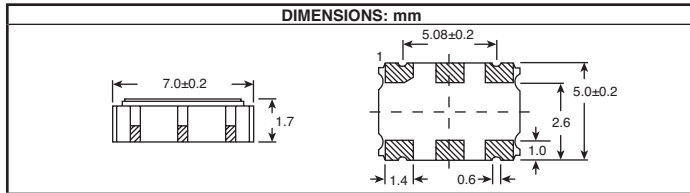
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Volt.	Price Each			
				1	10	50	100
815-ASE-1.843MLCT	ASE-1.8432MHZ-LC-T	1.8432	3.3				
815-ASE-4.000MLCT	ASE-4.000MHZ-LC-T	4.000	3.3				
815-ASE-8.000MLCT	ASE-8.000MHZ-LC-T	8.000	3.3				
815-ASE-11.059MLCT	ASE-11.0592MHZ-LC-T	11.0592	3.3				
815-ASE-14.318MLCT	ASE-14.31818MHZ-LC-T	14.31818	3.3				
815-ASE-14.745MLCT	ASE-14.7456MHZ-LC-T	14.7456	3.3				
815-ASE-18.432MLCT	ASE-18.432MHZ-LC-T	18.432	3.3				
815-ASE-20.000MLCT	ASE-20.000MHZ-LC-T	20.000	3.3				
815-ASE-24.576MLCT	ASE-24.576MHZ-LC-T	24.576	3.3				
815-ASE-29.491MLCT	ASE-29.4912MHZ-LC-T	29.4912	3.3				
815-ASE-48.000MLCT	ASE-48.000MHZ-LC-T	48.000	3.3				

ASVV SERIES VCXO VOLTAGE CONTROLLED SMD, 7 X 5

Features:

- Frequency Range: 1.000MHz to 125.00MHz
- Operating Temp: -40°C to +85°C
- Stability: ±50ppm (0°C to +70°C)



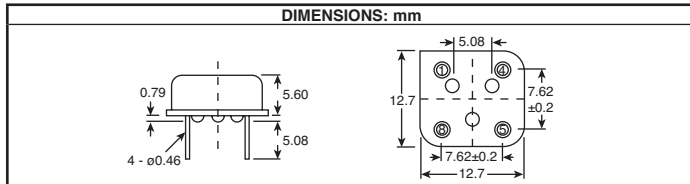
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Volt.	Price Each				
				1	10	50	100	500
815-ASVV-27-N152	ASVV-27.000MHZ-N152	27.0000	3.3					
815-ASVV-32.768-N152	ASVV-32.768MHZ-N152	32.7680	3.3					
815-ASVV-44.736-N152	ASVV-44.736MHZ-N102	44.7360	3.3					

ACH/ACHL SERIES, HALF SIZE LEADED

Features:

- Frequency Range: 32.768kHz to 200MHz
- Operating Temp: -20°C to +70°C
- Stability: ±30ppm
- HCMOS and TTL compatible
- Tight symmetry option
- Fast rise and fall times



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Volt.	Price Each				
				1	10	50	100	500
815-ACH-4-EK	ACH-4.000MHZ-EK	4.00000	5					
815-ACH-8-EK	ACH-8.000MHZ-EK	8.00000	5					
815-ACH-10-EK	ACH-10.000MHZ-EK	10.00000	5					
815-ACH-11.0592-EK	ACH-11.0592MHZ-EK	11.05920	5					
815-ACH-16-EK	ACH-16.000MHZ-EK	16.00000	5					
815-ACH-18.432-EK	ACH-18.432MHZ-EK	18.43200	5					
815-ACH-20-EK	ACH-20.000MHZ-EK	20.00000	5					
815-ACH-24.576-EK	ACH-24.576MHZ-EK	24.57600	5					
815-ACH-32.768-EK	ACH-32.768MHZ-EK	32.76800	5					
815-ACH-40-EK	ACH-40.000MHZ-EK	40.00000	5					
815-ACH-48-EK	ACH-48.000MHZ-EK	48.00000	5					
815-ACH-50-EK	ACH-50.000MHZ-EK	50.00000	5					
815-ACHL-3.6864-EK	ACHL-3.6864MHZ-EK	3.68640	3.3					
815-ACHL-4-EK	ACHL-4.000MHZ-EK	4.00000	3.3					
815-ACHL-8-EK	ACHL-8.000MHZ-EK	8.00000	3.3					
815-ACHL-10-EK	ACHL-10.000MHZ-EK	10.00000	3.3					
815-ACHL-16-EK	ACHL-16.000MHZ-EK	16.00000	3.3					
815-ACHL-20-EK	ACHL-20.000MHZ-EK	20.00000	3.3					
815-ACHL-24.576-EK	ACHL-24.576MHZ-EK	24.57600	3.3					
815-ACHL-25-EK	ACHL-25.000MHZ-EK	25.00000	3.3					
815-ACHL-27-EK	ACHL-27.000MHZ-EK	27.00000	3.3					
815-ACHL-40-EK	ACHL-40.000MHZ-EK	40.00000	3.3					
815-ACHL-48-EK	ACHL-48.000MHZ-EK	48.00000	3.3					
815-ACHL-50-EK	ACHL-50.000MHZ-EK	50.00000	3.3					

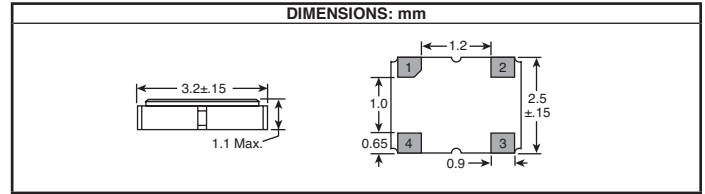
ASE2 SERIES CMOS COMPATIBLE SMD, 3.2 X 2.5

Features:

- Frequency Range: 0.75 to 75MHz
- Operating Temp: -40°C to +85°C
- Stability: ±50ppm max.

Applications:

- CCD clock for VTR camera
- Equipment connected to PC or PC cards
- Wireless communication



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Volt.	Price Each			
				1	25	100	500
815-ASE2-4.000	ASE2-4.000MHZ-LC-T	4.0000	2.5				
815-ASE2-14.7456	ASE2-14.7456MHZ-LC-T	14.7456	2.5				
815-ASE2-24.000	ASE2-24.000MHZ-LC-T	24.0000	2.5				
815-ASE2-25.000	ASE2-25.000MHZ-LC-T	25.0000	2.5				
815-ASE2-26.000	ASE2-26.000MHZ-R	26.0000	2.5				
815-ASE2-33.000	ASE2-33.000MHZ-LC-T	33.0000	2.5				
815-ASE2-48.000	ASE2-48.000MHZ-LC-T	48.0000	2.5				

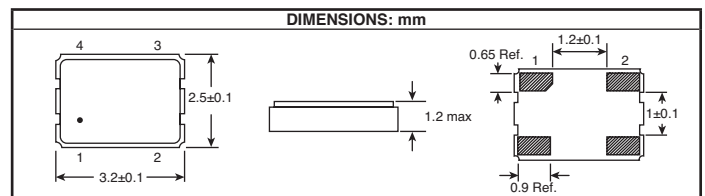
ASEK SERIES CERAMIC SMD, 3.2 X 2.5

Features:

- IR-Reflow consumption
- Lower current consumption
- Seam sealed assure high-reliability performance

Applications:

- LCD
- Laptop
- Bluetooth and mobile communication



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Volt.	Price Each		
				1	10	500
815-ASEK-32.7K-LRT	ASEK-32.768KHZ-LRT	32.768	3.3			
815-ASEK1-32.7K-LRT	ASEK1-32.768KHZ-LRT	32.768	2.5			
815-ASEK2-32.7K-LRT	ASEK2-32.768KHZ-LRT	32.768	1.8			

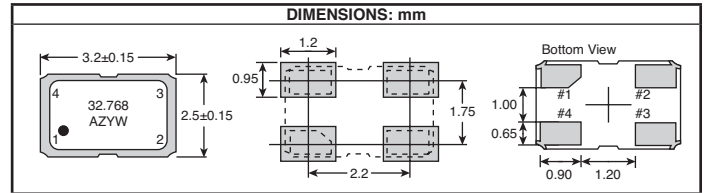
ASHEK SERIES CMOS SMD, 3.2 X 2.5MM

Features:

- Ultra Low uA current consumption with COS output
- Tri-state function
- Operating Temp: -40°C to +85°C

Applications:

- Mobile phone
- Clock and Data recovery
- Computers and peripherals



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Volt.	Price Each				
				1	10	50	100	500
815-ASHEK2-32.7K-LT	ASHEK2-32.768KHZ-LT	32.768	5					
815-ASHEK-32.7K-LT	ASHEK-32.768KHZ-LT	32.768	3.3					
815-ASHEK3-32.7K-LT	ASHEK3-32.768KHZ-LT	32.768	2.8					
815-ASHEK4-32.7K-LT	ASHEK4-32.768KHZ-LT	32.768	1.8					
815-ASHEK5-32.7K-LT	ASHEK5-32.768KHZ-LT	32.768	1.5					

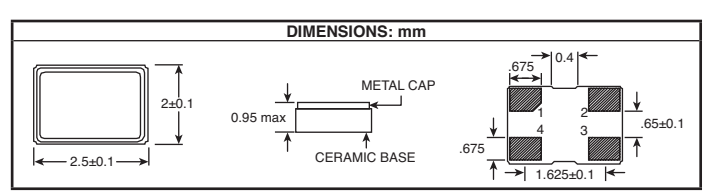
ASDK SERIES CERAMIC SMD, 2.5 X 2.0

Features:

- IR-Reflow consumption
- Lower current consumption
- Seam sealed assure high-reliability performance

Applications:

- LCD
- Laptop
- Bluetooth and mobile communication



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Volt.	Price Each			
				1	10	100	500
815-ASDK-32.7K-LRT	ASDK-32.768KHZ-LRT	32.768	3.3				
815-ASDK2-32.7K-LRT	ASDK2-32.768KHZ-LRT	32.768	1.8				

RoHS compliant This product is RoHS compliant.
DIMENSIONS: mm

A

Features:

- Small size
- High reliability
- Excellent temperature characteristics

Applications:

- Remote keyless entry system
- Garage openers
- Security systems

B

Features:

- Small size (5.5x3.8mm)
- Hermetic seal
- Excellent temperature characteristics

Applications:

- Keyless entry systems
- Garage Openers
- Security Systems

C

Features:

- Small and low profile
- Reflow solderable
- Excellent solderability
- Rectangular shape allows easy pick and placement
- High reliability, high temperature withstanding package

D

Features:

- Small and low profile
- Reflow solderable
- Excellent solderability
- Rectangular shape allows easy pick and placement
- High reliability, high temperature withstanding ceramic case

E

Features:

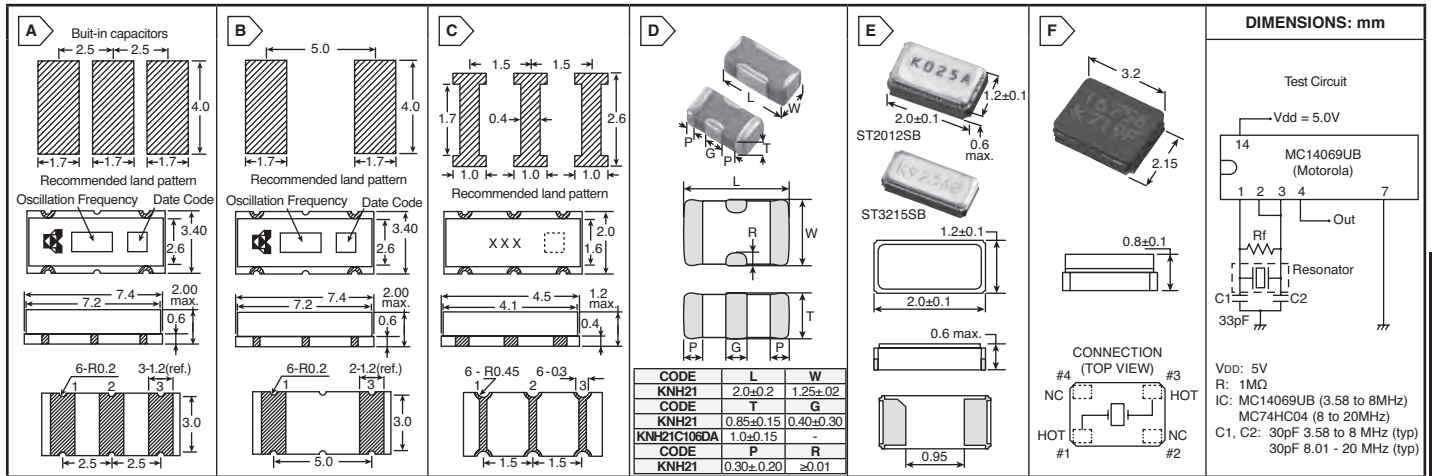
- Small and low profile
- Reflow solderable
- Excellent solderability
- Rectangular shape allows easy pick and placement
- High reliability, high temperature withstanding package

F

Features:

- Small and low profile
- Reflow solderable
- Excellent solderability
- Rectangular shape allows easy pick and placement
- High reliability, high temperature withstanding package

MOUSER STOCK NO.	AVX Part No.	Fig.	Frequency (MHz)	Frequency Tolerance	Price Each					Reel Quantity	Price Per Piece
					1	10	100	500	1000		
PARM Series											
581-PARM433.92K04R	PARM-433.92K04R	A	433.92	±75kHz						2000	
PARS Series Saw Resonators											
581-PARS418.00K04R	PARS418.00K04R	B	418.00	±75kHz						2000	
581-PARS433.92K04R	PARS-433.92K04R	B	433.92	±75kHz						2000	
PRQC Series Chip Resonators											
581-PBRC-4.00A	PBRC-4.00AR	C	4.00	±0.5%						2000	
581-PBRC-5.00A	PBRC-5.00AR	C	5.00	±0.5%						2000	
581-PRQC8.00CR5010X	PRQC8.00CR5010X000	C	8.00	±0.5%						3000	
581-PRQC10.00CR5010X	PRQC10.00CR5010X000	C	10.00	±0.5%						3000	
581-PRQC12.00CR5010X	PRQC12.00CR5010X000	C	12.00	±0.5%						3000	
581-PRQC16.00SR5010X	PRQC16.00SR5010X000	C	16.00	±0.5%						3000	
PBRC-G Series Chip Resonators											
581-PBRC2.00GR50X000	PBRC2.00GR50X000	D	2.00	±0.5%						2000	
581-PBRC4.00GR50X000	PBRC4.00GR50X000	D	4.00	±0.5%						2000	
581-PBRC-20.00G	PBRC-20.00GR	D	20.00	±0.5%						2000	
PBRC-H Series Chip Resonators											
581-PBRC-2.00B	PBRC2.00HR50X000	E	2.00	±0.5%						2000	
581-PBRC-2.45B	PBRC2.45HR50X000	E	2.45	±0.5%						2000	
581-PBRC-3.58B	PBRC3.58HR50X000	E	3.58	±0.5%						2000	
581-PBRC-3.68B	PBRC3.68HR50X000	E	3.68	±0.5%						2000	
581-PBRC-4.00B	PBRC4.00HR50X000	E	4.00	±0.5%						2000	
581-PBRC-4.19B	PBRC4.19HR50X000	E	4.19	±0.5%						2000	
581-PBRC-4.91B	PBRC4.91HR50X000	E	4.91	±0.5%						2000	
581-PBRC-5.00H	PBRC5.00HR50X000	E	5.00	±0.5%						2000	
581-PBRC-6.00B	PBRC6.00HR50X000	E	6.00	±0.5%						2000	
581-PBRC-6.96BR	PBRC6.96HR50X000	E	6.96	±0.5%						2000	
581-PBRC-7.00BR	PBRC7.00HR50X000	E	7.00	±0.5%						2000	
581-PBRC-7.37B	PBRC7.37HR50X000	E	7.37	±0.5%						2000	
581-PBRC-8.00B	PBRC8.00HR50X000	E	8.00	±0.5%						2000	
581-PBRC-11.0592BR07	PBRC11.06HR70X000	E	11.06	±0.7%						2000	
581-PBRC1200HR70X000	PBRC12.00HR70X000	E	12.00	±0.7%						2000	
581-PBRC-14.74BR07	PBRC14.74HR70X000	E	14.74	±0.7%						2000	
581-PBRC1600HR50X0RZ	PBRC16.00HR50X0RZ	E	16.00	±0.5%						2000	
581-PBRC1600HR70X000	PBRC16.00HR70X000	E	16.00	±0.7%						2000	
581-PBRC-18.43BR07	PBRC18.43HR70X000	E	18.43	±0.7%						2000	
581-PBRC2000HR50X000	PBRC20.00HR50X000	E	20.00	±0.5%						2000	
581-PBRC-20.00B	PBRC20.00HR70X000	E	20.00	±0.7%						2000	
PBRC-M Series Chip Resonators											
581-PBRC4.00MR50X000	PBRC4.00MR50X000	F	4.00	±0.5%						3000	
581-PBRC4.19MR50X000	PBRC4.19MR50X000	F	4.19	±0.5%						3000	
581-PBRC4.91MR50X000	PBRC4.91MR50X000	F	4.91	±0.5%						3000	
581-PBRC5.00MR50X000	PBRC5.00MR50X000	F	5.00	±0.5%						3000	
581-PBRC6.00MR50X000	PBRC6.00MR50X000	F	6.00	±0.5%						3000	
581-PBRC7.37MR50X000	PBRC7.37MR50X000	F	7.37	±0.5%						3000	
581-PBRC8.00MR50X000	PBRC8.00MR50X000	F	8.00	±0.5%						3000	
581-PBRC10.00MR70X000	PBRC10.00MR70X000	F	10.00	±0.7%						3000	
581-PBRC11.06MR70X000	PBRC11.06MR70X000	F	11.06	±0.7%						3000	
581-PBRC12.00MR70X000	PBRC12.00MR70X000	F	12.00	±0.7%						3000	
581-PBRC16.00MR70X000	PBRC16.00MR70X000	F	16.00	±0.7%						3000	
581-PBRC20.00MR70X000	PBRC20.00MR70X000	F	20.00	±0.7%						3000	



RESONATORS

AVX produces a broad range of high quality ceramic resonators. The high quality and extensive coverage of this product line allows optimum design of almost any oscillating circuit.

Ceramic resonators stand between quartz crystal oscillators and LC/RC oscillators in regard to accuracy but are considerably smaller, require no adjustments, have improved start-up times, and are low in cost.

Specifications:

- Temperature Characteristics: -20°C to +80°C
- Resonant Impedance: 2.00-2.90MHz = 200 ohm max
- 3.58-8.00MHz = 30 ohm max
- 3.00-3.57MHz = 100 ohm max
- 8.01-20.00MHz = ohm max
- Frequency Tolerance: ±0.5%



RoHS Compliant

MOUSER STOCK NO.	AVX Part No.	Fig.	Frequency (MHz)	Load Capacitance	Price Each					Reel Quantity	Price Per Piece
					1	10	100	500	1000		
581-PBRC-2.00B	PBRC2.00HR50X000	A	2.00	33pF						2000	
581-PBRC-2.45B	PBRC2.45HR50X000	A	2.45	33pF						2000	
581-PBRC-3.58B	PBRC3.58HR50X000	A	3.58	33pF						2000	
581-PBRC-3.68B	PBRC3.68HR50X000	A	3.68	33pF						2000	
581-PBRC-4.00B	PBRC4.00HR50X000	A	4.00	33pF						2000	
581-PBRC-5.00H	PBRC5.00HR50X000	A	5.00	33pF						2000	
581-PBRC-6.00B	PBRC6.00HR50X000	A	6.00	33pF						2000	
581-PBRC-7.37B	PBRC7.37HR50X000	A	7.37	33pF						2000	
581-PBRC-8.00B	PBRC8.00HR50X000	A	8.00	33pF						2000	
581-PBRC-11.0592BR07	PBRC11.06HR70X000	A	11.06	10pF						2000	
581-PBRC-14.74BR07	PBRC14.74HR70X000	A	14.74	10pF						2000	
581-PBRC-4.00A	PBRC-4.00AR	B	4.00	none						2000	
581-PBRC-20.00G	PBRC-20.00AR	B	20.00	none						2000	
581-PBRC4.00MR50X	PBRC4.00MR50X000	C	4.00	15pF						3000	
581-PBRC4.91MR50X	PBRC4.91MR50X000	C	4.91	15pF						3000	
581-PBRC5.00MR50X	PBRC5.00MR50X000	C	5.00	15pF						3000	
581-PBRC6.00MR50X	PBRC6.00MR50X000	C	6.00	15pF						3000	
581-PBRC7.37MR50X	PBRC7.37MR50X000	C	7.37	15pF						3000	
581-PBRC8.00MR50X	PBRC8.00MR50X000	C	8.00	15pF						3000	
581-PBRC10.00MR70X	PBRC10.00MR70X000	C	10.00	10pF						3000	
581-PBRC12.00MR70X	PBRC12.00MR70X000	C	12.00	10pF						3000	
581-PBRC20.00MR70X	PBRC20.00MR70X000	C	20.00	10pF						3000	

KNH21 SERIES EMI FILTERS

Features:

- 0805 Size, Rated current up to 6A MAX
- Effective for filtering noise on power (Vcc) lines

MOUSER STOCK NO.	AVX Part No.	Fig.	Capacitance	Rated Current	Rated Voltage	Price Each					Reel Quantity	Price Per Piece
						1	10	100	500	1000		
581-KNH21C104DA3T	KNH21C104DA3T	D	100,000pf	2.0A	25VDC						3000	
581-KNH21C105DA3T	KNH21C105DA3T	D	1,000,000pf	4.0A	10VDC						3000	
581-KNH21C473DA3T	KNH21C473DA3T	D	47,000pf	2.0A	50VDC						3000	

ST2012SB/ST3215SB KHZ RANGE CRYSTAL DEVICES

Features:

- Small, Low Profile
- Ceramic Package
- Pb Free
- Reflow Compatible

MOUSER STOCK NO.	AVX Part No.	Fig.	Frequency (MHz)	Load Capacitance	Price Each					Reel Quantity	Price Per Piece	
					1	10	100	500	1000			
Dimensions: 2.0x1.2mm												
581-ST2012SB32H5HPWAA	ST2012SB32768H5HPWAA	E	32.768	12.5pf							3000	
581-ST2012SB32E0HPWB	ST2012SB32768E0HPWB	E	32.768	9.0pf							3000	
581-ST2012SB32C0HPWB	ST2012SB32768C0HPWB	E	32.768	7.0pf							3000	
Dimensions: 3.2x1.5mm												
581-ST3232768H5HPWAA	ST3215SB32768H5HPWAA	E	32.768	12.5pf							3000	
581-ST3232768E0HPWB	ST3215SB32768E0HPWB	E	32.768	9pf							3000	

CX3225GB SMT CRYSTAL UNITS

Features:

- Crystal unit for consumer products
- Ceramic Package
- Product with lead free terminations
- Reflow Compatible

MOUSER STOCK NO.	AVX Part No.	Fig.	Frequency (MHz)	Load Capacitance	Price Each					Reel Quantity	Price Per Piece	
					1	10	100	500	1000			
581-CX3225GB10000HE	CX3225GB10000D0HEQZ1	F	10	8pf							3000	
581-CX3225GB12000HE	CX3225GB12000D0HEQZ1	F	12	8pf							3000	
581-CX3225GB14318HE	CX3225GB14318D0HEQZ1	F	14	8pf							3000	
581-CX3225GB16000HE	CX3225GB16000D0HEQZ1	F	16	8pf							3000	
581-CX3225GB20000HE	CX3225GB20000D0HEQZ1	F	20	8pf							3000	
581-CX3225GB24000HE	CX3225GB24000D0HEQZ1	F	24	8pf							3000	
581-CX3225GB25000HE	CX3225GB25000D0HEQZ1	F	25	8pf							3000	
581-CX3225GB27000HE	CX3225GB27000D0HEQZ1	F	27	8pf							3000	
581-CX3225GB32000HE	CX3225GB32000D0HEQZ1	F	32	8pf							3000	
581-CX3225GB40000HE	CX3225GB40000D0HEQZ1	F	40	8pf							3000	
581-CX3225GB48000HE	CX3225GB48000D0HEQZ1	F	48	8pf							3000	
581-CX3225GB10000HP	CX3225GB10000D0HPQZ1	F	10	8pf							3000	
581-CX3225GB12000HP	CX3225GB12000D0HPQZ1	F	12	8pf							3000	
581-CX3225GB14318HP	CX3225GB14318D0HPQZ1	F	14	8pf							3000	
581-CX3225GB16000HP	CX3225GB16000D0HPQZ1	F	16	8pf							3000	
581-CX3225GB20000HP	CX3225GB20000D0HPQZ1	F	20	8pf							3000	
581-CX3225GB24000HP	CX3225GB24000D0HPQZ1	F	24	8pf							3000	
581-CX3225GB25000HP	CX3225GB25000D0HPQZ1	F	25	8pf							3000	
581-CX3225GB27000HP	CX3225GB27000D0HPQZ1	F	27	8pf							3000	
581-CX3225GB32000HP	CX3225GB32000D0HPQZ1	F	32	8pf							3000	
581-CX3225GB40000HP	CX3225GB40000D0HPQZ1	F	40	8pf							3000	
581-CX3225GB48000HP	CX3225GB48000D0HPQZ1	F	48	8pf							3000	



AVX SMD Clock Oscillators



TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS (TCXO) 1.8 Volt (2.5 and 3.3 Volt Compatible)

Common Features:

- Miniature SMD type
- Reflow compatible
- Frequency Stability: ±0.5x10⁻⁶/-30 to +85°C

Applications:

- GPS Units

For quantities greater than listed, call for quote.



MOUSER STOCK NO.	AVX Part No.	Fig.	Frequency (MHz)	Voltage (V)	Size (mm)	Price Each			Reel Qty.	Price Per Piece
						1	10	100		
581-KT2520F16ACW18T	KT2520F16369ACW18TAN	A	16.369	1.7-3.6	2.5x2.0				3000	
581-KT2520F19ACV29R	KT2520F19200ACV29RAK	A	19.2	1.7-3.6	2.5x2.0				3000	
581-KT2520F26ACW18T	KT2520F26000ACW18TAN	A	26	1.7-3.6	2.5x2.0				3000	
581-KT2520F40ECV28T	KT2520F40000ECV28TAK	A	40	1.7-3.6	2.5x2.0				3000	
581-KT3225R40ECV28T	KT3225R40000ECV28TBA	B	40	1.7-3.5	3.2x2.5				1000	
581-KT3225F27ZAW28TA	KT3225F27456ZAW28TA0	B	27.456	1.7-3.5	3.2x2.5				1000	
581-KT3225R26ZAW28TM	KT3225R26000ZAW28TMA	B	26	1.7-3.5	3.2x2.5				1000	
581-KT3225F16ACW28TA	KT3225F16369ACW28TA0	B	16.369	1.7-3.5	3.2x2.5				1000	

SAW CLOCK OSCILLATORS

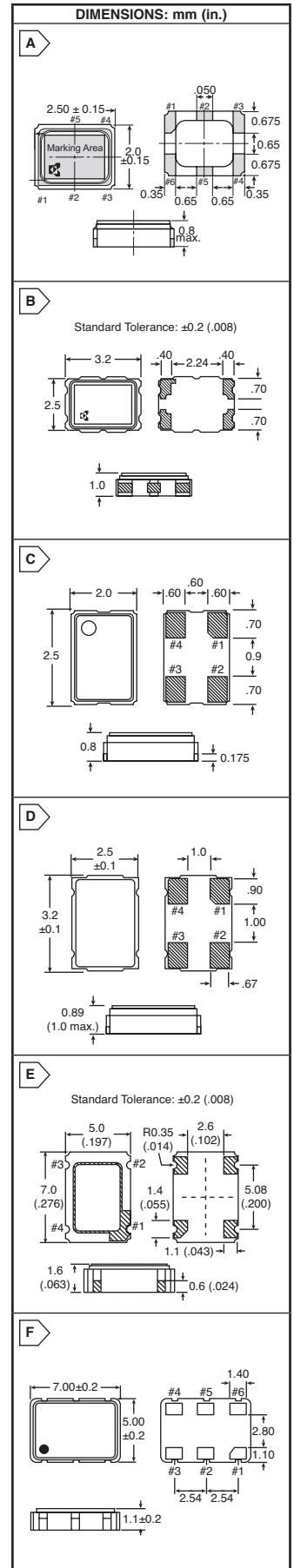
2.5x2.0mm 1.8 Volt and 2.5 Volt (2.5 and 3.3 Volt Compatible)

KC2520B-C1, KC3225A, KC5032C, KC7050A, KC7050P, KC7050Y Series



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Frequency (MHz)	Voltage (V)	Size (mm)	Price Each			Reel Qty.	Price Per Piece
						1	10	100		
581-KC2520B12C10E	KC2520B12.0000C10E00	C	12	3.3	2.5x2.0				2000	
581-KC2520B25.0C10	KC2520B25.0000C10E00	C	25	1.8	2.5x2.0				2000	
581-KC2520B27.0C10	KC2520B27.0000C10E00	C	27	1.8	2.5x2.0				2000	
581-KC2520B14.31C10	KC2520B14.3182C10E00	C	14.3182	1.8/2.5/3.3	2.5x2.0				2000	
581-KC2520B24.0C10	KC2520B24.0000C10E00	C	24	1.8/2.5/3.3	2.5x2.0				2000	
581-KC2520B24.57C10	KC2520B24.5760C10E00	C	24.576	1.8/2.5/3.3	2.5x2.0				2000	
581-KC2520B25.0C10	KC2520B25.0000C10E00	C	25	1.8/2.5/3.3	2.5x2.0				2000	
581-KC2520B27.0C10	KC2520B27.0000C10E00	C	27	1.8/2.5/3.3	2.5x2.0				2000	
581-KC2520B48.0C10	KC2520B48.0000C10E00	C	48	1.8/2.5/3.3	2.5x2.0				2000	
581-KC3225A100C30E	KC3225A100.0000C30E00	D	100	3.3	2.5x3.2				2000	
581-KC3225A125C30E	KC3225A125.0000C30E00	D	125	3.3	2.5x3.2				2000	
581-KC3225A12.0C30	KC3225A12.0000C30E00	D	12	3.3	3.2x2.5				2000	
581-KC3225A14.31C30	KC3225A14.3182C30E00	D	14.3182	3.3	3.2x2.5				1000	
581-KC3225A24.57C30	KC3225A24.5760C30E00	D	24.576	3.3	3.2x2.5				2000	
581-KC3225A25.0C30	KC3225A25.0000C30E00	D	25	3.3	3.2x2.5				1000	
581-KC3225A27.0C30	KC3225A27.0000C30E00	D	27	3.3	3.2x2.5				1000	
581-KC3225A30.0C30	KC3225A30.0000C30E00	D	30	3.3	3.2x2.5				2000	
581-KC3225A40.0C30	KC3225A40.0000C30E00	D	40	3.3	3.2x2.5				2000	
581-KC3225A48.0C30	KC3225A48.0000C30E00	D	48	3.3	3.2x2.5				1000	
581-KC3225A49.15C30	KC3225A49.1520C30E00	D	49.152	3.3	3.2x2.5				2000	
581-KC3225A50.0C30	KC3225A50.0000C30E00	D	50	3.3	3.2x2.5				2000	
581-KC3225A54.0C30	KC3225A54.0000C30E00	D	54	3.3	3.2x2.5				2000	
581-KC3225A72.0C30	KC3225A72.0000C30E00	D	72	3.3	3.2x2.5				2000	
581-KC3225A75.0C30	KC3225A75.0000C30E00	D	75	3.3	3.2x2.5				2000	
581-KC5032C125.0C30	KC5032C125.0000C30E00	E	125	3.3	5.0x3.2				1000	
581-KC5032C14.31C30E	KC5032C14.3182C30E00	E	14.3182	3.3	5.0x3.2				1000	
581-KC5032C14.74C30E	KC5032C14.7456C30E00	E	14.7456	3.3	5.0x3.2				1000	
581-KC5032C16C30E	KC5032C16.0000C30E00	E	16	3.3	5.0x3.2				1000	
581-KC5032C20C30E	KC5032C20.0000C30E00	E	20	3.3	5.0x3.2				1000	
581-KC5032C24C30E	KC5032C24.0000C30E00	E	24	3.3	5.0x3.2				1000	
581-KC5032C24.5C30E	KC5032C24.5760C30E00	E	24.576	3.3	5.0x3.2				1000	
581-KC5032C25C30E	KC5032C25.0000C30E00	E	25	3.3	5.0x3.2				1000	
581-KC5032C27C30E	KC5032C27.0000C30E00	E	27	3.3	5.0x3.2				1000	
581-KC5032C40C30E	KC5032C40.0000C30E00	E	40	3.3	5.0x3.2				1000	
581-KC5032C50C30E	KC5032C50.0000C30E00	E	50	3.3	5.0x3.2				1000	
581-KC5032C60C30E	KC5032C60.0000C30E00	E	60	3.3	5.0x3.2				1000	
581-KC5032C66.6C30E	KC5032C66.6667C30E00	E	66.6667	3.3	5.0x3.2				1000	
581-KC5032C75.0C30	KC5032C75.0000C30E00	E	75	3.3	5.0x3.2				1000	
581-KC5032C100.0C30	KC5032C100.0000C30E00	E	100	3.3	5.0x3.2				1000	
581-KC5032C106.2C30	KC5032C106.2500C30E00	E	106.25	3.3	5.0x3.2				1000	
581-KC5032C125.0C30	KC5032C125.0000C30E00	E	125	3.3	5.0x3.2				1000	
581-KC7050A75.0C30	KC7050A75.0000C30E00	E	75	3.3	7.0x5.0				1000	
581-KC7050A100.0C30	KC7050A100.0000C30E00	E	100	3.3	7.0x5.0				1000	
581-KC7050A106.2C30	KC7050A106.2500C30E00	E	106.25	3.3	7.0x5.0				1000	
581-KC7050A125.0C30	KC7050A125.0000C30E00	E	125	3.3	7.0x5.0				1000	
581-KC7050P125L30E	KC7050P125.000L30E00	E	125	3.3	7.0x5.0				1000	
581-KC7050P150.0L30	KC7050P150.000L30E00	E	150	3.3	7.0x5.0				1000	
581-KC7050P106.2P30	KC7050P106.250P30E00	E	106.25	3.3	7.0x5.0				1000	
581-KC7050T156.25P20	KC7050T156.250P20E00	F	156.25	2.5	7.0x5.0				1000	
581-KC7050T200.0P20	KC7050T200.000P20E00	F	200	2.5	7.0x5.0				1000	
581-KC7050T250.0P20	KC7050T250.000P20E00	F	250	2.5	7.0x5.0				1000	
581-KC7050T312.5P20	KC7050T312.500P20E00	F	312.5	2.5	7.0x5.0				1000	
581-KC7050T156.25P30	KC7050T156.250P30E00	F	156.25	3.3	7.0x5.0				1000	
581-KC7050T200.0P30	KC7050T200.000P30E00	F	200	3.3	7.0x5.0				1000	
581-KC7050T250.0P30	KC7050T250.000P30E00	F	250	3.3	7.0x5.0				1000	
581-KC7050T312.5P30	KC7050T312.500P30E00	F	312.5	3.3	7.0x5.0				1000	
581-KC7050Y75.0L20	KC7050Y75.0000L20EZU	F	75	2.5	7.0x5.0				500	
581-KC7050Y75.0L30	KC7050Y75.0000L30EZU	F	75	2.5	7.0x5.0				500	
581-KC7050Y75.0P20	KC7050Y75.0000P20EZU	F	75	2.5	7.0x5.0				500	
581-KC7050Y75.0P30	KC7050Y75.0000P30EZU	F	75	2.5	7.0x5.0				500	
581-KC7050Y125.0L20	KC7050Y125.0000L20EZU	F	125	2.5	7.0x5.0				500	
581-KC7050Y125.0L30	KC7050Y125.0000L30EZU	F	125	2.5	7.0x5.0				500	
581-KC7050Y125.0P20	KC7050Y125.0000P20EZU	F	125	2.5	7.0x5.0				500	
581-KC7050Y125.0P30	KC7050Y125.0000P30EZU	F	125	2.5	7.0x5.0				500	
581-KC7050Y156.25L20	KC7050Y156.250L20EZU	F	156.25	2.5	7.0x5.0				500	
581-KC7050Y156.25L30	KC7050Y156.250L30EZU	F	156.25	2.5	7.0x5.0				500	
581-KC7050Y156.25P20	KC7050Y156.250P20EZU	F	156.25	2.5	7.0x5.0				500	
581-KC7050Y156.25P30	KC7050Y156.250P30EZU	F	156.25	2.5	7.0x5.0				500	
581-KC7050Y200.0L20	KC7050Y200.000L20EZU	F	200	2.5	7.0x5.0				500	
581-KC7050Y200.0L30	KC7050Y200.000L30EZU	F	200	2.5	7.0x5.0				500	
581-KC7050Y200.0P20	KC7050Y200.000P20EZU	F	200	2.5	7.0x5.0				500	
581-KC7050Y200.0P30	KC7050Y200.000P30EZU	F	200	2.5	7.0x5.0				500	
581-KC7050Y250.0L20	KC7050Y250.000L20EZU	F	250	2.5	7.0x5.0				500	
581-KC7050Y250.0L30	KC7050Y250.000L30EZU	F	250	2.5	7.0x5.0				500	
581-KC7050Y250.0P20	KC7050Y250.000P20EZU	F	250	2.5	7.0x5.0				500	
581-KC7050Y250.0P30	KC7050Y250.000P30EZU	F	250	2.5	7.0x5.0				500	
581-KC7050Y312.5L20	KC7050Y312.500L20EZU	F	312.5	2.5	7.0x5.0				500	
581-KC7050Y312.5L30	KC7050Y312.500L30EZU	F	312.5	2.5	7.0x5.0				500	
581-KC7050Y312.5P20	KC7050Y312.500P20EZU	F	312.5	2.5	7.0x5.0				500	
581-KC7050Y312.5P30	KC7050Y312.500P30EZU	F	312.5	2.5	7.0x5.0				500	



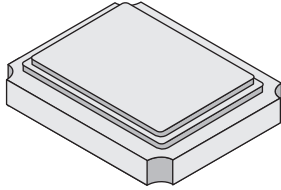
AVX Frequency Control

CTS Crystals and Clock Oscillators



RoHS Compliant This product is RoHS compliant.

CRYSTALS



2.5 x 2.0 x 0.65mm

Features:

- Stable frequency over temperature and drive level
- Fundamental crystal design
- Frequency tolerance, $\pm 30\text{ppm}$
- Frequency stability, $\pm 50\text{ppm}$
- Operating temperature to -20°C to $+70^\circ\text{C}$

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Frequency (MHz)	Price Each			Reel Qty.	Price Per Piece
			1	10	100		
774-425F35B020M0000	425F35B020M0000	20.00000				3000	
774-425F35B024M0000	425F35B024M0000	24.00000				3000	
774-425F35B025M0000	425F35B025M0000	25.00000				3000	
774-425F35B027M0000	425F35B027M0000	27.00000				3000	
774-425F35B030M0000	425F35B030M0000	30.00000				3000	
774-425F35B040M0000	425F35B040M0000	40.00000				3000	

3.2 x 2.5 x 0.80mm

Features:

- Stable frequency over temperature and drive level
- Frequency tolerance, $\pm 30\text{ppm}$
- Frequency stability, $\pm 50\text{ppm}$
- Operating temperature to -20°C to $+85^\circ\text{C}$

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Frequency (MHz)	Price Each			Reel Qty.	Price Per Piece
			1	10	100		
774-403C35E16M00000	403C35E16M00000	16.00000				3000	
774-403C35E18M43200	403C35E18M43200	18.00000				3000	
774-403C35E20M00000	403C35E20M00000	20.00000				3000	
774-403C35E22M11840	403C35E22M11840	22.11840				3000	
774-403C35E24M00000	403C35E24M00000	24.00000				3000	
774-403C35E24M57600	403C35E24M57600	24.57600				3000	
774-403C35E25M00000	403C35E25M00000	25.00000				3000	
774-403C35E27M00000	403C35E27M00000	27.00000				3000	
774-403C35E28M63636	403C35E28M63636	28.63636				3000	
774-403C35E30M00000	403C35E30M00000	30.00000				3000	
774-403C35E44M00000	403C35E44M00000	44.00000				3000	
774-403C35E48M00000	403C35E48M00000	48.00000				3000	

5.0 x 3.2 x 1.05mm

Features:

- Stable frequency over temperature and drive level
- Frequency tolerance, $\pm 30\text{ppm}$
- Frequency stability, $\pm 50\text{ppm}$
- Operating temperature to -40°C to $+85^\circ\text{C}$

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Frequency (MHz)	Price Each			Reel Qty.	Price Per Piece
			1	10	100		
774-405C35B12M00000	405C35B12M00000	12.00000				1000	
774-405C35B13M00000	405C35B13M00000	13.00000				1000	
774-405C35B13M56000	405C35B13M56000	13.56000				1000	
774-405C35B16M00000	405C35B16M00000	16.00000				1000	
774-405C35B18M43200	405C35B18M43200	18.43200				1000	
774-405C35B20M00000	405C35B20M00000	20.00000				1000	
774-405C35B24M00000	405C35B24M00000	24.00000				1000	
774-405C35B25M00000	405C35B25M00000	25.00000				1000	
774-405C35B26M00000	405C35B26M00000	26.00000				1000	
774-405C35B27M00000	405C35B27M00000	27.00000				1000	
774-405C35B30M00000	405C35B30M00000	30.00000				1000	
774-405C35B32M00000	405C35B32M00000	32.00000				1000	
774-405C35B40M00000	405C35B40M00000	40.00000				1000	
774-405C35B48M00000	405C35B48M00000	48.00000				3000	

7.0 x 5.0 x 1.20mm

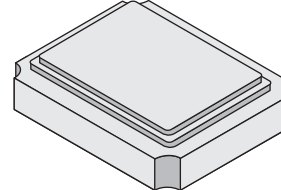
Features:

- Stable frequency over temperature and drive level
- Frequency tolerance, $\pm 30\text{ppm}$
- Frequency stability, $\pm 50\text{ppm}$
- Operating temperature to -40°C to $+85^\circ\text{C}$

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Frequency (MHz)	Price Each			Reel Qty.	Price Per Piece
			1	10	100		
774-407F35E008M00000	407F35E008M00000	8.00000				1000	
774-407F35E010M00000	407F35E010M00000	10.00000				1000	
774-407F35E012M00000	407F35E012M00000	12.00000				1000	
774-407F35E014M74560	407F35E014M74560	14.74560				1000	
774-407F35E016M00000	407F35E016M00000	16.00000				1000	
774-407F35E025M00000	407F35E025M00000	25.00000				1000	

CLOCK OSCILLATORS



2.5 x 2.0 x 1.0mm

Features:

- CMOS compatible
- Fundamental and 3RD overtone crystals
- Frequency stability, $\pm 50\text{ppm}$
- +1.8Vdc, +2.5Vdc, +3.3Vdc operation
- Operating temperature to -10°C to $+70^\circ\text{C}$
- Output enable standard

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Frequency (MHz)	Price Each			Reel Qty.	Price Per Piece
			1	10	100		
774-625L3C012M00000	625L3C012M00000	12.00000				3000	
774-625L3C020M00000	625L3C020M00000	20.00000				3000	
774-625L3C024M00000	625L3C024M00000	24.00000				3000	
774-625L3C024M57600	625L3C024M57600	24.57600				3000	
774-625L3C025M00000	625L3C025M00000	25.00000				3000	
774-625L3C040M00000	625L3C040M00000	40.00000				3000	
774-625L3C048M00000	625L3C048M00000	48.00000				3000	
774-625L3C050M00000	625L3C050M00000	50.00000				3000	

3.2 x 2.5 x 1.0mm

Features:

- HCMOS/TTL compatible
- Fundamental and 3RD overtone crystals
- Frequency stability, $\pm 50\text{ppm}$
- +1.8Vdc, +2.5Vdc, +2.8Vdc, +3.3Vdc operation
- Operating temperature to -40°C to $+85^\circ\text{C}$
- Output enable standard

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Frequency (MHz)	Price Each			Reel Qty.	Price Per Piece
			1	10	100		
774-632L3I002M04800	632L3I002M04800	2.04800				3000	
774-632L3I008M00000	632L3I008M00000	8.00000				3000	
774-632L3I010M00000	632L3I010M00000	10.00000				3000	
774-632L3I012M00000	632L3I012M00000	12.00000				3000	
774-632L3I016M00000	632L3I016M00000	16.00000				3000	
774-632L3I020M00000	632L3I020M00000	20.00000				3000	
774-632L3I024M00000	632L3I024M00000	24.00000				3000	
774-632L3I024M57600	632L3I024M57600	24.57600				3000	
774-632L3I025M00000	632L3I025M00000	25.00000				3000	
774-632L3I030M00000	632L3I030M00000	30.00000				3000	
774-632L3I040M00000	632L3I040M00000	40.00000				3000	
774-632L3I048M00000	632L3I048M00000	48.00000				3000	
774-632L3I050M00000	632L3I050M00000	50.00000				3000	

5.0 x 3.2 x 1.3mm

Features:

- HCMOS/TTL compatible
- Fundamental and 3rd overtone crystals
- Frequency stability, $\pm 50\text{ppm}$
- +1.8Vdc, +2.5Vdc, +3.3Vdc or +5.0Vdc operation
- Operating temperature to -40°C to $+85^\circ\text{C}$
- Output enable standard

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Frequency (MHz)	Price Each			Reel Qty.	Price Per Piece
			1	10	100		
774-636L3I008M00000	636L3I008M00000	8.00000				1000	
774-636L3I010M00000	636L3I010M00000	10.00000				1000	
774-636L3I012M00000	636L3I012M00000	12.00000				1000	
774-636L3I016M00000	636L3I016M00000	16.00000				1000	
774-636L3I020M00000	636L3I020M00000	20.00000				1000	
774-636L3I024M57600	636L3I024M57600	24.57600				1000	
774-636L3I025M00000	636L3I025M00000	25.00000				1000	
774-636L3I030M00000	636L3I030M00000	30.00000				1000	
774-636L3I040M00000	636L3I040M00000	40.00000				1000	
774-636L3I048M00000	636L3I048M00000	48.00000				1000	
774-636L3I050M00000	636L3I050M00000	50.00000				1000	
774-636L3I100M00000	636L3I100M00000	100.00000				1000	

7.0 x 5.0 x 1.7mm

Features:

- HCMOS/TTL compatible
- Fundamental and 3RD overtone crystals
- Frequency stability, $\pm 50\text{ppm}$
- +3.3Vdc or +5.0Vdc operation
- Operating temperature to -40°C to $+85^\circ\text{C}$
- Output enable standard

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Frequency (MHz)	Price Each			Reel Qty.	Price Per Piece
			1	10	100		
774-CB3LV-3I-8M00000	CB3LV-3I-8M00000	8.00000				1000	
774-CB3LV-3I-10M00000	CB3LV-3I-10M00000	10.00000				1000	
774-CB3LV-3I-12M00000	CB3LV-3I-12M00000	12.00000				1000	
774-CB3LV-3I-20M00000	CB3LV-3I-20M00000	20.00000				1000	
774-CB3LV-3I-24M00000	CB3LV-3I-24M00000	24.00000				1000	
774-CB3LV-3I-24M57600	CB3LV-3I-24M57600	24.57600				1000	
774-CB3LV-3I-25M00000	CB3LV-3I-25M00000	25.00000				1000	
774-CB3LV-3I-30M00000	CB3LV-3I-30M00000	30.00000				1000	
774-CB3LV-3I-40M00000	CB3LV-3I-40M00000	40.00000				1000	
774-CB3LV-3I-48M00000	CB3LV-3I-48M00000	48.00000				1000	
774-CB3LV-3I-50M00000	CB3LV-3I-50M00000	50.00000				1000	
774-CB3LV-3I-66M00000	CB3LV-3I-66M00000	66.00000				1000	
774-CB3LV-3I-80M00000	CB3LV-3I-80M00000	80.00000				1000	
774-CB3LV-3I-100M00000	CB3LV-3I-100M00000	100.00000				1000	

RoHS Compliant This product is RoHS compliant.

CTS 445 SMD QUARTZ CRYSTALS

- Features:**
- Standard 5.0x3.2mm Glass Seal Package
 - Fundamental Crystal Design
 - Low Cost
 - Wide range of applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each				
				1	10	100	500	1000
-20°C to +70°C								
774-445C25D12M00000	445C25D12M00000	A	12.00000					
774-445C25D14M31818	445C25D14M31818	A	14.31818					
774-445C25D20M00000	445C25D20M00000	A	20.00000					
774-445C25D24M00000	445C25D24M00000	A	24.00000					
774-445C25D24M57600	445C25D24M57600	A	24.57600					
774-445C25D25M00000	445C25D25M00000	A	25.00000					
774-445C25D27M00000	445C25D27M00000	A	27.00000					
774-445C25D30M00000	445C25D30M00000	A	30.00000					
-40°C to +85°C								
774-445I23D14M31818	445I23D14M31818	A	14.31818					
774-445I23D20M00000	445I23D20M00000	A	20.00000					
774-445I23D24M00000	445I23D24M00000	A	24.00000					
774-445I23D24M57600	445I23D24M57600	A	24.57600					
774-445I23D25M00000	445I23D25M00000	A	25.00000					
774-445I23D27M00000	445I23D27M00000	A	27.00000					
774-445I23D30M00000	445I23D30M00000	A	30.00000					

CTS ATS-SM SMD QUARTZ CRYSTALS HC49SM (12.3X4.83X4.3)

- Features:**
- Stable frequency over temperature and drive level
 - Operating temperature: -20°C to +70°C
 - Frequency range: 3.5-60MHz
 - Frequency tolerance: ±30ppm standard
 - Frequency stability: ±50ppm standard
 - Fundamental and 3rd overtone crystals

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each			
				1	10	50	100
774-ATS040SM-1	ATS040SM-1	B	4.00000				
774-ATS08ASM-1	ATS08ASM-1	B	8.00000				
774-ATS100SM-1	ATS100SM-1	B	10.00000				
774-ATS120SM-1	ATS120SM-1	B	12.00000				
774-ATS160SM-1	ATS160SM-1	B	16.00000				
774-ATS18ASM-1	ATS18ASM-1	B	18.00000				
774-ATS200SM-1	ATS200SM-1	B	20.00000				

CTS MP SERIES THRU HOLE QUARTZ CRYSTALS HC49U (13.46X10.85X3.8)

- Features:**
- Stable frequency over temperature and drive level
 - Operating temperature: -20°C to +70°C
 - Frequency range: 1.8-48MHz
 - Frequency tolerance: ±45ppm standard
 - Frequency stability: ±50ppm standard
 - Fundamental and 3rd overtone crystals

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CTS Part No.	Fig.	Freq. (MHz)	Price Each				MOUSER STOCK NO.	CTS Part No.	Fig.	Freq. (MHz)	Price Each			
				1	10	100	250					1	10	100	250
774-MP018S	MP018S	C	1.84320					774-MP098	MP098	C	9.00000				
774-MP037	MP037	C	3.68640					774-MP100	MP100	C	10.00000				
774-MP040	MP040	C	4.00000					774-MP101	MP101	C	10.00000				
774-MP04A	MP04A	C	4.00000					774-MP111	MP111	C	11.05920				
774-MP041	MP041	C	4.1943					774-MP120	MP120	C	12.00000				
774-MP060	MP060	C	6.00000					774-MP122	MP122	C	12.2880				
774-MP073	MP073	C	7.3728					774-MP184	MP184	C	18.43200				
774-MP080A	MP080A	C	8.00000					774-MP200	MP200	C	20.00000				

CTS CB3 AND CB3LV SERIES SMD HCMOS/TTL CLOCK OSCILLATORS (7.0X5.0X1.8)

- Features:**
- Standard 7.0x5.0mm surface mount footprint
 - HCMOS/TTL compatible
 - +3.3VDC (CB3LV) or +5.0VDC (CB3) operation
 - Operating temperature: -20°C to +70°C
 - Frequency Range: 1.5 - 160MHz
 - Frequency Stability: ±50ppm standard

RoHS Compliant

For quantities greater than listed, call for quote.

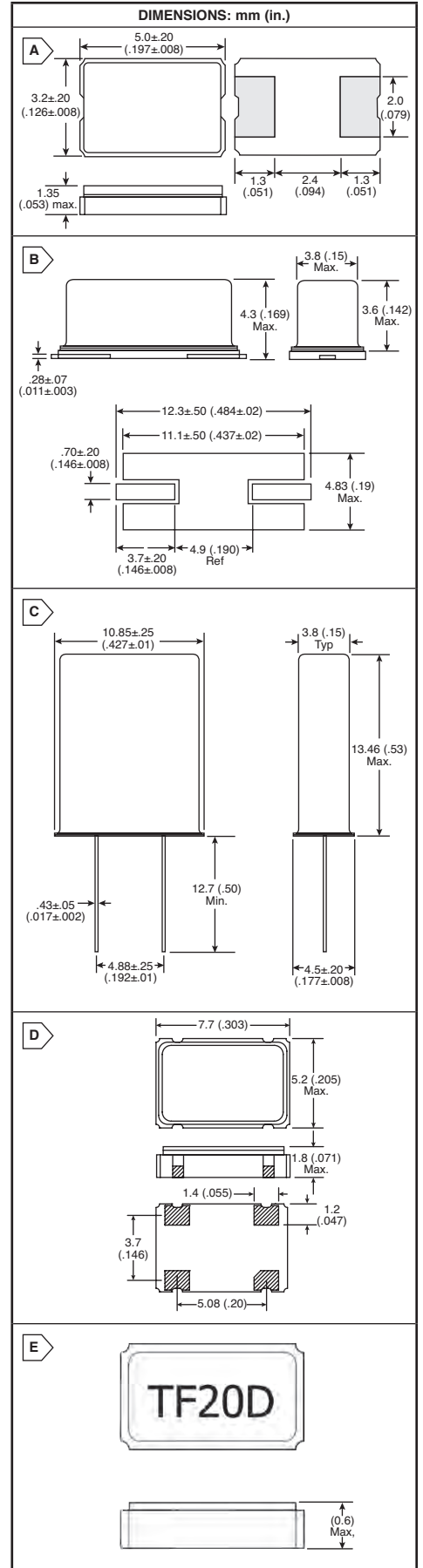
MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each			
				1	10	50	100
5.0VDC							
774-CB3-3C-3M6	CB3-3C-3M686400	D	3.68640				
774-CB3-3C-4M0	CB3-3C-4M000000	D	4.00000				
774-CB3-3C-10M0	CB3-3C-10M000000	D	10.00000				
774-CB3-3C-14M3	CB3-3C-14M318180	D	14.31818				
774-CB3-3C-16M0	CB3-3C-16M000000	D	16.00000				
774-CB3-3C-20M0	CB3-3C-20M000000	D	20.00000				
774-CB3-3C-25M0	CB3-3C-25M000000	D	25.00000				
774-CB3-3C-29M4	CB3-3C-29M491200	D	29.49120				
774-CB3-3C-32M0	CB3-3C-32M000000	D	32.00000				
774-CB3-3C-33M3	CB3-3C-33M333000	D	33.33300				
774-CB3-3C-40M0	CB3-3C-40M000000	D	40.00000				
774-CB3-3C-50M0	CB3-3C-50M000000	D	50.00000				
774-CB3-3C-66M6	CB3-3C-66M666600	D	66.66660				
774-CB3-3C-80M0	CB3-3C-80M000000	D	80.00000				
3.3VDC							
774-CB3LV-3C-3M6	CB3LV-3C-3M686400	D	3.68640				
774-CB3LV-3C-10M0	CB3LV-3C-10M000000	D	10.00000				
774-CB3LV-3C-20M0	CB3LV-3C-20M000000	D	20.00000				
774-CB3LV-3C-25M0	CB3LV-3C-25M000000	D	25.00000				
774-CB3LV-3C-32M0	CB3LV-3C-32M000000	D	32.00000				
774-CB3LV-3C-33M3	CB3LV-3C-33M333000	D	33.33300				
774-CB3LV-3C-40M0	CB3LV-3C-40M000000	D	40.00000				
774-CB3LV-3C-50M0	CB3LV-3C-50M000000	D	50.00000				
774-CB3LV-3C-66M6	CB3LV-3C-66M666600	D	66.66660				
774-CB3LV-3C-80M0	CB3LV-3C-80M000000	D	80.00000				

CTS TF SERIES TUNING FORK CRYSTALS

- Features:**
- Hermetic Ceramic Package
 - Frequency Tolerance, ±20pp, Standard
 - Frequency Temperature Coefficient, -0.03ppm/°C2
 - Operating Temperature, -40°C to +85°C Standard

For quantities greater than listed, call for quote.

2.0mm x 1.2mm		Fig.	Frequency (MHz)	Price Each			
MOUSER STOCK NO.	CTS Part No.			1	10	100	1000
774-TF202P32K7680	TF202P32K7680	E	32.768				
3.2mm x 1.5mm							
774-TF322P32K7680	TF322P32K7680	E	32.768				



CTS Frequency Control

RoHS compliant This product is RoHS compliant.

CTS TC SERIES REAL TIME CLOCK OSCILLATORS

- Features:**
- Fundamental Crystal Design
 - Hermetic Ceramic Package
 - Frequency Stability, ± 50 ppm Standard
 - +1.5Vdc, +1.8Vdc, +2.5Vdc, +3.3Vdc operation
 - Operating Temperature, -40°C to +85°C Standard
 - Tape & Reel Packaging, EAI-418
- For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each					
				1	10	50	100	500	1000
2.5mm x 2.0mm									
774-TC25L5I32K7680	TC25L5I32K7680	A	32.768						
774-TC25N5I32K7680	TC25N5I32K7680	A	32.768						
774-TC25M5I32K7680	TC25M5I32K7680	A	32.768						
3.2mm x 2.5mm									
774-TC32L5I32K7680	TC32L5I32K7680	B	32.768						
774-TC32N5I32K7680	TC32N5I32K7680	B	32.768						
774-TC32M5I32K7680	TC32M5I32K7680	B	32.768						
5.0mm x 3.2mm									
774-TC50L5I32K7680	TC50L5I32K7680	C	32.768						
7.0mm x 5.0mm									
774-TC70L5I32K7680	TC70L5I32K7680	D	32.768						

CTS MODEL 636 SMD HCMOS/TTL CLOCK OSCILLATORS (5.0X3.2X1.3)

Ceramic packaged clock oscillator offering reduced size and enhanced stability.

- Features:**
- Standard 5.0x3.2mm surface mount footprint
 - HCMOS/TTL compatible
 - +3.3VDC operation
 - Operating temperature: -20°C to +70°C
 - Frequency stability: ± 50 ppm standard
 - Frequency range: 1.0 - 125MHz
 - Output enable standard
 - Fundamental and 3rd overtone crystals
- For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each			
				1	10	100	500
774-636L3C014M7	636L3C014M74560	E	14.74560				
774-636L3C016M0	636L3C016M00000	E	16.00000				
774-636L3C016M3	636L3C016M38400	E	16.38400				
774-636L3C018M4	636L3C018M43200	E	18.43200				
774-636L3C020M0	636L3C020M00000	E	20.00000				
774-636L3C020M4	636L3C020M48000	E	20.48000				
774-636L3C024M0	636L3C024M00000	E	24.00000				
774-636L3C025M0	636L3C025M00000	E	25.00000				
774-636L3C032M7	636L3C032M76800	E	32.76800				
774-636L3C033M0	636L3C033M00000	E	33.00000				
774-636L3C044M0	636L3C044M00000	E	44.00000				
774-636L3C048M0	636L3C048M00000	E	48.00000				

CTS MODEL 357 SMD VOLTAGE CONTROLLED CRYSTAL OSCILLATORS (VCXO) (7X5X2)

Ceramic packaged voltage controlled oscillator offering reduced size and enhanced stability.

- Features:**
- Standard 7x5mm surface mount footprint
 - HCMOS/TTL compatible output
 - Frequency range: 1.5-77.76MHz
 - Frequency stability: ± 50 ppm standard
 - APR: ± 50 ppm standard
 - +3.3VDC operation
 - Operating temperature: -40°C to +85°C
 - Output enable standard
 - Low phase jitter, NON-quoted.
- For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)
774-357LB3I027M0	357LB3I027M0000	F	27.00000

CTS MXO45 AND MXO45HS SERIES THRU HOLE CLOCK OSCILLATORS

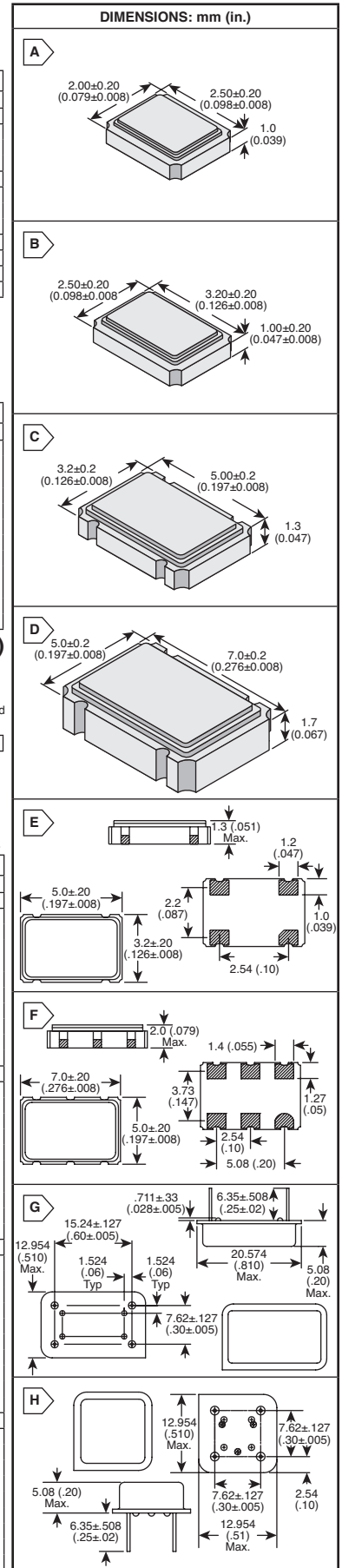
The MXO45/MXO45HS are DIP packaged clock oscillators offering reliable performance at an economical cost.

- Features:**
- Standard 14 pin or 8 pin DIP footprint
 - HCMOS/TTL compatible
 - Fundamental and 3rd overtone crystals
 - Frequency range: 1.0-105.561MHz
 - Frequency stability: ± 50 ppm standard
 - +5.0VDC operation
 - Operating temperature: 20°C to +70°C
 - Output enable option
- For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each		
				1	10	100
Standard						
774-MXO45-3C-1.0	MXO45-3C-1M0000	G	1.00000			
774-MXO45-3C-3.6	MXO45-3C-3M6864	G	3.68640			
774-MXO45-3C-4.0	MXO45-3C-4M0000	G	4.00000			
774-MXO45-3C-10.0	MXO45-3C-10M0000	G	10.00000			
774-MXO45-3C-12.0	MXO45-3C-12M0000	G	12.00000			
774-MXO45-3C-16.0	MXO45-3C-16M0000	G	16.00000			
774-MXO45-3C-20.0	MXO45-3C-20M0000	G	20.00000			
774-MXO45-3C-24.0	MXO45-3C-24M0000	G	24.00000			
774-MXO45-3C-40.0	MXO45-3C-40M0000	G	40.00000			
774-MXO45-3C-50.0	MXO45-3C-50M0000	G	50.00000			
Tri-State						
774-MXO45T-3C-1.0	MXO45T-3C-1M0000	G	1.00000			
774-MXO45T-3C-3.6	MXO45T-3C-3M6864	G	3.68640			
774-MXO45T-3C-4.0	MXO45T-3C-4M0000	G	4.00000			
774-MXO45T-3C-10.0	MXO45T-3C-10M0000	G	10.00000			
774-MXO45T-3C-12.0	MXO45T-3C-12M0000	G	12.00000			
774-MXO45T-3C-16.0	MXO45T-3C-16M0000	G	16.00000			
774-MXO45T-3C-20.0	MXO45T-3C-20M0000	G	20.00000			
774-MXO45T-3C-24.0	MXO45T-3C-24M0000	G	24.00000			
774-MXO45T-3C-40.0	MXO45T-3C-40M0000	G	40.00000			
774-MXO45T-3C-50.0	MXO45T-3C-50M0000	G	50.00000			

MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each		
				1	10	100
Standard						
774-MXO45HS-3C-1.0	MXO45HS-3C-1M0000	H	1.00000			
774-MXO45HS-3C-3.6	MXO45HS-3C-3M6864	H	3.68640			
774-MXO45HS-3C-4.0	MXO45HS-3C-4M0000	H	4.00000			
774-MXO45HS-3C-10.0	MXO45HS-3C-10M0000	H	10.00000			
774-MXO45HS-3C-12.0	MXO45HS-3C-12M0000	H	12.00000			
774-MXO45HS-3C-16.0	MXO45HS-3C-16M0000	H	16.00000			
774-MXO45HS-3C-20.0	MXO45HS-3C-20M0000	H	20.00000			
774-MXO45HS-3C-24.0	MXO45HS-3C-24M0000	H	24.00000			
774-MXO45HS-3C-40.0	MXO45HS-3C-40M0000	H	40.00000			
774-MXO45HS-3C-50.0	MXO45HS-3C-50M0000	H	50.00000			

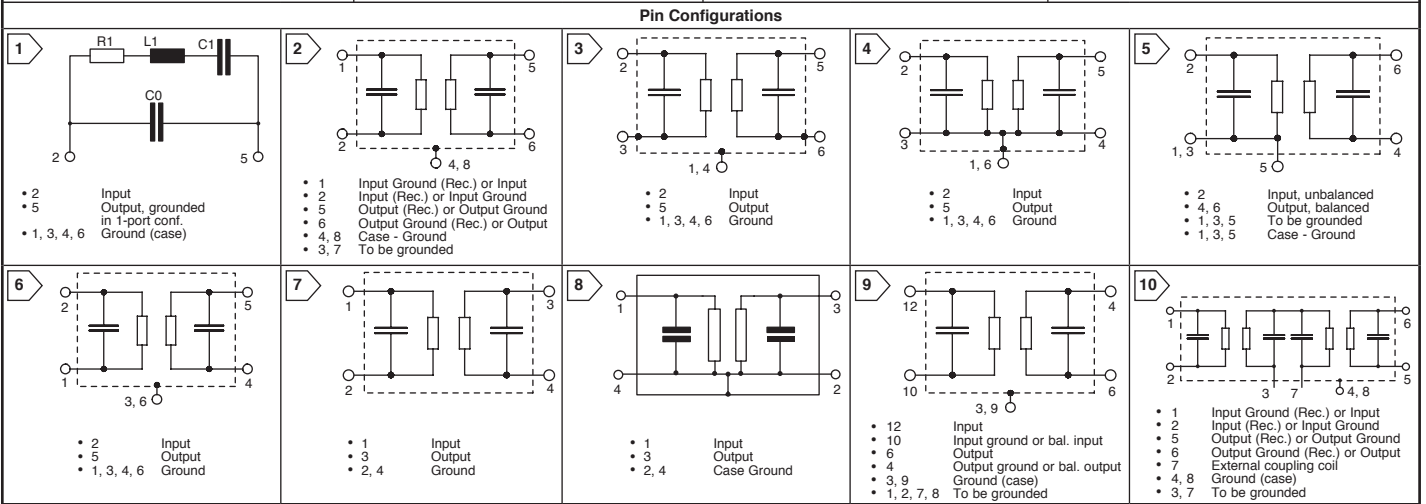
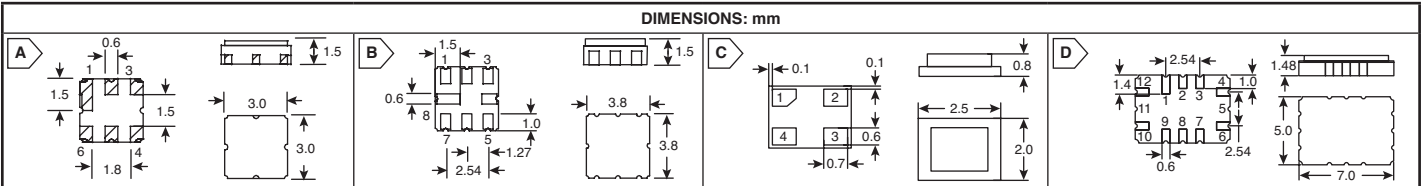
MOUSER STOCK NO.	CTS Part No.	Fig.	Frequency (MHz)	Price Each		
				1	10	100
Tri-State						
774-MXO45HST-3C-1.0	MXO45HST-3C-1M0000	H	1.00000			
774-MXO45HST-3C-4.0	MXO45HST-3C-4M0000	H	4.00000			
774-MXO45HST-3C-10.0	MXO45HST-3C-10M0000	H	10.00000			
774-MXO45HST-3C-12.0	MXO45HST-3C-12M0000	H	12.00000			
774-MXO45HST-3C-16.0	MXO45HST-3C-16M0000	H	16.00000			
774-MXO45HST-3C-20.0	MXO45HST-3C-20M0000	H	20.00000			
774-MXO45HST-3C-24.0	MXO45HST-3C-24M0000	H	24.00000			
774-MXO45HST-3C-40.0	MXO45HST-3C-40M0000	H	40.00000			
774-MXO45HST-3C-50.0	MXO45HST-3C-50M0000	H	50.00000			



EPCOS SAW Components and Filters



RoHS Compliant This product is RoHS compliant.



Epcos Frequency Control

Surface Acoustic Wave (SAW) resonators and front end filters are key components in modern Remote Control Applications, which transmit in Europe typically at 433.92MHz or 868-870MHz and in the USA at 315 or 915MHz. These remote controls are used in systems for Remote Keyless Entry (RKE, wireless operation of a car's central locking system), wireless Tire Pressure Monitoring (TPMS), electronic toll, RFID, short range data transmission, security alarms and garage door openers. They consist of several transmitters and receivers as well as the combination of both, transceivers.

Transmitter The code which is supposed to be transmitted to the receiver consists of an encoded identifier (including a rolling code for security reasons) and the message itself to e.g. unlock the central locking system of a car. An oscillator which is synchronized by a SAW resonator oscillates at an exact frequency. Thereby, it generates an RF carrier signal, which (using the simple on-off keying procedure, OOK) is modulated according to the transmission code by simply turning the oscillator on and off. This coded, modulated RF signal will be sent out through the antenna of the transmitter.

Receiver The modulated RF signal (encoded message) sent from the transmitter is received by the antenna of the receiver a few feet away (typically 30-300ft.). Additionally, the receiver will involuntarily pick up environmental noise and spurious emissions which may jam/block the receiver, making it deaf for any message from the transmitter. To avoid this, a narrow band SAW front end filter with high selectivity can filter out this unwanted noise. A local oscillator (stabilized e.g. by a SAW resonator like the transmitter oscillator) generates an LO frequency, typically 500KHz or 10.7MHz below transmission frequency. The filtered RF signal from the antenna will now be mixed down in a mixer with this LO frequency to an intermediate frequency (IF), which can be decoded by decoder ICs and microcontrollers.

Features:

- Provides reliable, fundamental mode, quartz frequency stabilization in transmitters or local oscillators
- RoHS compatible
- Ni, gold-plated terminals
- Passivation layer elpas
- AEC-Q200 qualified

SAW COMPONENTS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Application	Center Frequency (MHz)	Case Size (mm)	Min. Insertion Attenuation (dB)	Price Each		
						1	50	100
Signal Conditioning								
871-B39162B7829C710	B39162B7829C710	Low-loss Filter for GPS receiver	1575.42	2.0x1.4x0.68	1.2			
871-B39182B4142U410	B39182B4142U410	Low-loss Filter for Mobile Communication	1842.50	3.0x3.0x1.1	3			
871-B39182B9019E610	B39182B9019E610	Low-loss Filter for Mobile Communication	1842.50	2.0x1.4x0.68	1.9			
871-B39311B3768Z810	B39311B3768Z810	Low-loss Filter for RC Receivers	313.85	3.8x3.8x1.5	1.9			
871-B39321B3576U310	B39321B3576U310	Low-loss Filter for RC Receivers	315.00	5.0x5.0x1.35	3.3			
871-B39431B3555U310	B39431B3555U310	Low-loss Filter for RC Receivers	433.96	5.0x5.0x1.35	2.2			
871-B39431B3557U310	B39431B3557U310	Low-loss Filter for RC Receivers	434.46	5.0x5.0x1.35	2			
871-B39431B3580Z810	B39431B3580Z810	Low-loss Filter for RC Receivers	433.92	5.0x5.0x1.35	2.8			
871-B39431B3733H110	B39431B3733H110	Low-loss Filter for RC Receivers	434.42	3.0x3.0x1.0	2.1			
871-B39431B3757U310	B39431B3757U310	Low-loss Filter for RC Receivers	434.42	5.0x5.0x1.35	2			
871-B39871B3571U310	B39871B3571U310	Low-loss Filter for RC Receivers	868.69	5.0x5.0x1.35	3.1			
871-B39871B3574U310	B39871B3574U310	Low-loss Filter for RC Receivers	868.30	5.0x5.0x1.35	4.2			
871-B39871B3717U410	B39871B3717U410	Low-loss Filter for RC Receivers	868.50	3.0x3.0x1.1	2.1			
871-B39871B3725U410	B39871B3725U410	Low-loss Filter for RC Receivers	869.00	3.0x3.0x1.1	2.5			
871-B39871B3744H110	B39871B3744H110	Low-loss Filter for RC Receivers	868.30	3.0x3.0x1.0	3			
871-B39871R2709U310	B39871R2709U310	Transmitter stability	868.30	5.0x5.0x1.35	7			
871-B39921B3726U410	B39921B3726U410	Low-loss RF Filter	915.00	3.0x3.0x1.1	2.6			
871-B39921B3728U410	B39921B3728U410	Low-loss Filter for RC Receivers	915.00	3.0x3.0x1.1	2.2			
871-B39921B4637Z610	B39921B4637Z610	Low-loss Filter for Mobile Communication	915.00	3.8x3.8x1.5	2.5			
871-B69812N1577B403	B69812N1577B403	GPS Filter	1575.00	3.9x5.1x1.9	0.8			
871-B69842N5257A200	B69842N5257A200	WLAN 5GHz	5250.00	3.0x2.4x1.6	1.4			

SAW FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Application	Internal Schematic Diagrams	Center Frequency	Case Size (mm)	Min. Insertion Attenuation (dB)	Price Each				Reel Qty.	Price Per Piece
							1	50	100	1000		
871-B39321B3741H110	B39321B3741H110	Keyless Entry, Short Range RF	A1	315	3.0x3.0x1.0	1.9					9000	
871-B39431R960H110	B39431R960H110	ISM Band & Keyless Entry	A1	433.92	3.0x3.0x1.0	1.3					9000	
871-B39431B3760Z810	B39431B3760Z810	ISM Band & Keyless Entry	B2	433.92	3.8x3.8x1.5	1.9					3000	
871-B39431B3710U410	B39431B3710U410	Short Range Devices	A3	433.92	3.0x3.0x1.1	2.0					9000	
871-B39921B3718U410	B39921B3718U410	Short Range Devices	A4	916	3.0x3.0x1.1	2.4					9000	
871-B39162B3520U410	B39162B3520U410	Automotive RF	A4	1575.42	3.0x3.0x1.1	1.3					9000	
871-B39192B4143U410	B39192B4143U410	Short Range Devices	A4	1880	3.0x3.0x1.1	3.2					9000	
871-B39202B4150U410	B39202B4150U410	Mobile Telephone PCS	A4	1960	3.0x3.0x1.1	2.8					9000	
871-B39431B3750U310	B39431B3750U310	Short Range Devices	A3	433.92	3.0x3.0x1.1	2.0					3000	
871-B39921B3588U410	B39921B3588U410	Short Range Devices	A4	915	3.0x3.0x1.1	2.9					9000	
871-B39162B4031Z810	B39162B4031Z810	GPS	A5	1575.42	3.0x3.0x1.1	3.3					3000	
871-B39401B3742H110	B39401B3742H110	Short Range Devices	A6	400	3.0x3.0x1.0	2.3					9000	
871-B39431B3730H110	B39431B3730H110	Short Range Devices	A6	433.92	3.0x3.0x1.0	2.4					9000	
871-B39321B3711U410	B39321B3711U410	Short Range Devices	A3	315	3.0x3.0x1.1	1.7					9000	
871-B39212B7750C810	B39212B7750C810	W-CDMA	C7	2140	2.5x2.0x0.8	2.6					9000	
871-B39162B9080L310	B39162B9080L310	GPS	C8	1575.42	2.0x1.6x0.86	1.2					9000	
871-B39111B4542H310	B39111B4542H310	Low Loss GPS	D9	110.59	2.0x1.6x0.86	12.2					3000	
871-B39431B3780Z810	B39431B3780Z810	Short Range Devices	B2	433.92	3.8x3.8x1.5	2.0					3000	
871-B39431B3790Z810	B39431B3790Z810	Short Range Devices	B10	433.92	3.8x3.8x1.5	3.6					3000	
871-B39871B3762Z810	B39871B3762Z810	Short Range Devices	B2	868.3	3.8x3.8x1.5	3.1					3000	
871-B39431B3760Z810	B39431B3760Z810	Short Range Devices	B2	433.92	3.8x3.8x1.5	1.9					3000	

EPCOS SAW Filters

RoHS Compliant This product is RoHS compliant.



NEW AT Mouser

Frequency Control

Epcos

NEW AT Mouser

NEW AT Mouser

A

Pin Configuration	
1	Input unbalanced
4	Output unbalanced
3	To be grounded via coil
2, 5	To be grounded

B

Pin Configuration	
1	Input unbalanced
3, 4	Output unbalanced
2, 5	To be grounded

C

Pin Configuration	
1	Input unbalanced
4	Output unbalanced
2, 3, 5	To be grounded

D

Pin Configuration	
1	Input unbalanced
4	Output unbalanced
2, 3, 5	To be grounded

1

Pin Configuration	
1	Input
4	Output
2, 3, 5	Case ground

2

Pin Configuration	
1	Input
4	Output
2, 3, 5	Case ground

E

Pin Configuration	
1	Input
4	Output
2, 3, 5	To be grounded

F

Pin Configuration	
1, 8	RX output, balanced
3	TX input, single ended
6	Antenna
2, 4, 5, 7, 9	Ground

G

Pin Configuration	
3	TX input, unbalanced
1, 8	RX output, balanced
6	Antenna
2, 4, 5, 7, 9	To be grounded

H

Pin Configuration	
1	Input (Filter 1)
4	Input (Filter 2)
6, 7	Output balanced (Filter 2)
8, 9	Output balanced (Filter 1)
2, 3, 5, 10	Case ground

2

Pin Configuration	
1	Input (Duplex)
6	Output (Filter 2)
9	Output (Filter 1)
2, 3, 5, 10	Case ground
4, 7, 8	To be grounded

I

Pin Configuration	
3	TX Input
1	RX Output
6	Antenna
2, 4, 5	To be grounded
7, 8, 9	To be grounded

J

Pin Configuration	
2	Input Unbalanced
5	Output Unbalanced
1, 3, 4, 6	To be grounded

K

Pin Configuration	
1	Input (Filter 1)
4	Input (Filter 2)
6	Output (Filter 2)
9	Output (Filter 1)
7, 8	To-be-ground
2, 3, 5, 10	Case-ground

L

Pin Configuration	
3	TX Input
1	RX Output
6	Antenna
7, 8, 9	To be grounded
2, 4, 5	To be grounded

M

Pin Configuration	
3	RX Input
1	TX Output
6	Antenna
2, 4, 5	To be grounded
7, 8, 9	To be grounded

SAW FILTERS

For quantities greater than listed, call for quote.

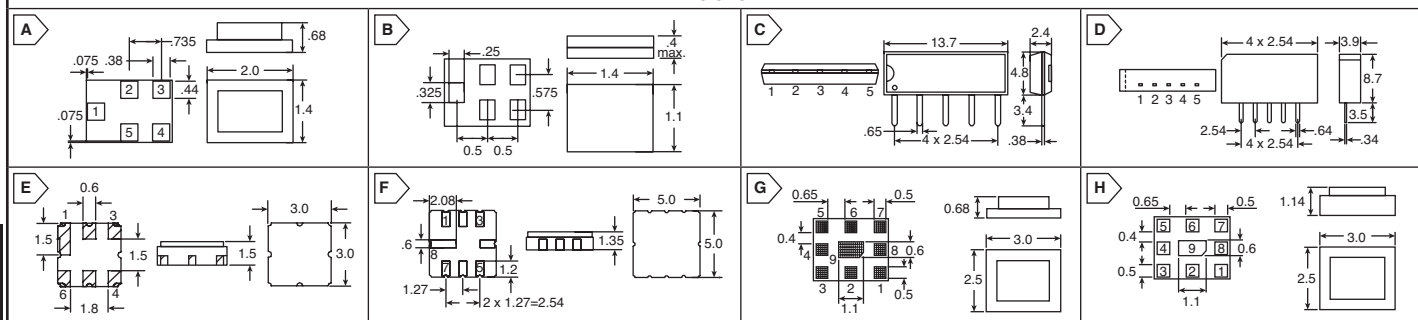
MOUSER STOCK NO.	Epcos Part No.	Fig.	Application	Center Frequency	Case Size (mm)	Min. Insertions Attenuation (dB)	Price Each			
							1	50	100	500
871-B39252B9455M410	B39252B9455M410	A	WLAN	2140	1.4 x 1.1 x 0.4	2.2				
871-B39941B9405K610	B39941B9405K610	A	GSM 900	942.5	1.4 x1.1 x 0.4	1.9				
871-B39182B9402K610	B39182B9402K610	A	GSM 1800	1842.5	1.4 x 1.1 x 0.4	1.6				
871-B39192B9470M410	B39192B9470M410	A	WCDMA Band II	1960	1.4 x 1.1 x 0.4	3.5				
871-B39841B9425M410	B39841B9425M410	A	Cellular / WCDMA Band V	836.5	1.4 x 1.1 x 0.4	1.7				
871-B39212B9469K610	B39212B9469K610	A	WCDMA Band II/IV	2140	1.4 x 1.1 x 0.4	2.2				
871-B39881B9456P810	B39881B9456P810	B	GSM850 / WCDMA band V / Cellular	881.5	1.4 x 1.1 x 0.4	2.0				
871-B39751B9476M410	B39751B9476M410	C	Basestation	751.5	3.0 x 3.0 x 1.10	1.5				
871-B39941B9461P810	B39941B9461P810	C	WCDMA band VIII / GSM 900	942.5	1.4 x1.1 x 0.4	2.6				
871-B39901B9442M410	B39901B9442M410	C	WCDMA Band VIII	897.5	1.4 x 1.1 x 0.4	2.3				
871-B39172B9443M410	B39172B9443M410	D1	AWS	1732.5	1.4 x 1.1 x 0.4	2.6				
871-B39202B9414M410	B39202B9414M410	D1	WCDMA Band I	1950	1.4 x 1.1 x 0.4	2.5				
871-B39192B9459P810	B39192B9459P810	D1	PCS / WCDMA Band II	1880	1.4 x1.1 x 0.4	2.5				
871-B39212B9451P810	B39212B9451P810	D1	WCDMA Band I/IV/X	2140	1.4 x 1.1 x 0.4	2.7				
871-B39202B9477P810	B39202B9477P810	D1	PCS / WCDMA Band II	1960	1.4 x 1.1 x 0.4	4.2				
871-B39192B9479P810	B39192B9479P810	D2	DECT	1890	1.4 x 1.1 x 0.4	4.2				
871-B39781B9475M410	B39781B9475M410	E	LTE Band 13	782	1.4 x1.1 x 0.4	2.3				
871-B39941B7953E110	B39941B7953E110	F	WCDMA Band VIII	897.5	2.5 x 2.0 x 0.89	1.9				
871-B39741B7924P810	B39741B7924P810	F	LTE Band 17	710	2.5 x 2.0 x 0.68	1.5				
871-B39781B7677A710	B39781B7677A710	F	LTE Band 13	782	2.5 x 2.0 x 0.68	1.9				
871-B39881B7923P810	B39881B7923P810	F	Cellular / WCDMA Band V	836.5	2.5 x 2.0 x 0.68	1.7				
871-B39202B7955P810	B39202B7955P810	F	WCDMA Band II (PCS)	-	2.5 x 2.0 x 0.94	2.3				
871-B39212B7959P810	B39212B7959P810	G	W-CDMA Band 4 / CDMA 1x AWS Band	1732.5	2.5 x 2.0 x 0.89	1.6				
871-B39212B7965P810	B39212B7965P810	G	W-CDMA Band 1 / CDMA2000 1x (BC6)	1950	2.5 x 2.0 x 0.95	1.7				
871-B39202B9502L310	B39202B9502L310	H1	GSM 1900 / GSM 1800	1960	1.8 x1.4 x 0.68	1.3				
871-B39202B9506L310	B39202B9506L310	H1	GSM 1900 / GSM 850	1960	1.8 x1.4 x 0.68	1.3				
871-B39941B9504L310	B39941B9504L310	H1	GSM 900 / GSM 850	942.5	1.8 x 1.4 x 0.68	1.5				
871-B39182B9500L310	B39182B9500L310	H1	GSM 1800 / GSM 900	1842.5	1.8 x 1.4 x 0.68	1.3				
871-B39202B9508L310	B39202B9508L310	H1	GSM 1800 / GSM 1900	1842.5	1.8 x1.4 x 0.68	2.3				
871-B39941B9509L310	B39941B9509L310	H1	GSM 850 / GSM 900	881.5	1.8 x 1.4 x 0.68	1.8				
871-B39202B9513L310	B39202B9513L310	H1	GSM1900 / GSM1800	1960	1.8 x 1.4 x 0.68	2.2				
871-B39941B9512P810	B39941B9512P810	H1	GSM 850 / GSM 900	942.5	1.8 x 1.4 x 0.68	1.9				
871-B39182B9522P810	B39182B9522P810	H2	GSM 900 / GSM 1800	942.5	1.8 x 1.4 x 0.68	3.0				
871-B39781B7678A710	B39781B7678A710	I	LTE Band 13	782	2.5 x 2 x 0.68	2.4				
871-B39881B7925P810	B39881B7925P810	I	WCDMA	836.5	2.5 x 2 x 0.68	3.0				
871-B39831B8304P810	B39831B8304P810	J	CDMA	833	3.0 x 3.0 x 1.1	3.0				
871-B39881B8303P810	B39881B8303P810	J	CDMA	833	3.0 x 3.0 x 1.1	3.0				
871-B39182B9521P810	B39182B9521P810	K	GSM 900+1800 2in1	942.5	1.8 x 1.4 x 0.68	3.0				
871-B39202B7692A710	B39202B7692A710	L	WCDMA Band II/ BAW	1880	3.0 x 2.5 x 1.15	3.2				
871-B39212B7967P810	B39212B7967P810	M	WCDMA Band I	2140	3 x 2.5 x 1.0	2.5				

EPCOS SAW Filters, Duplexers and Resonators

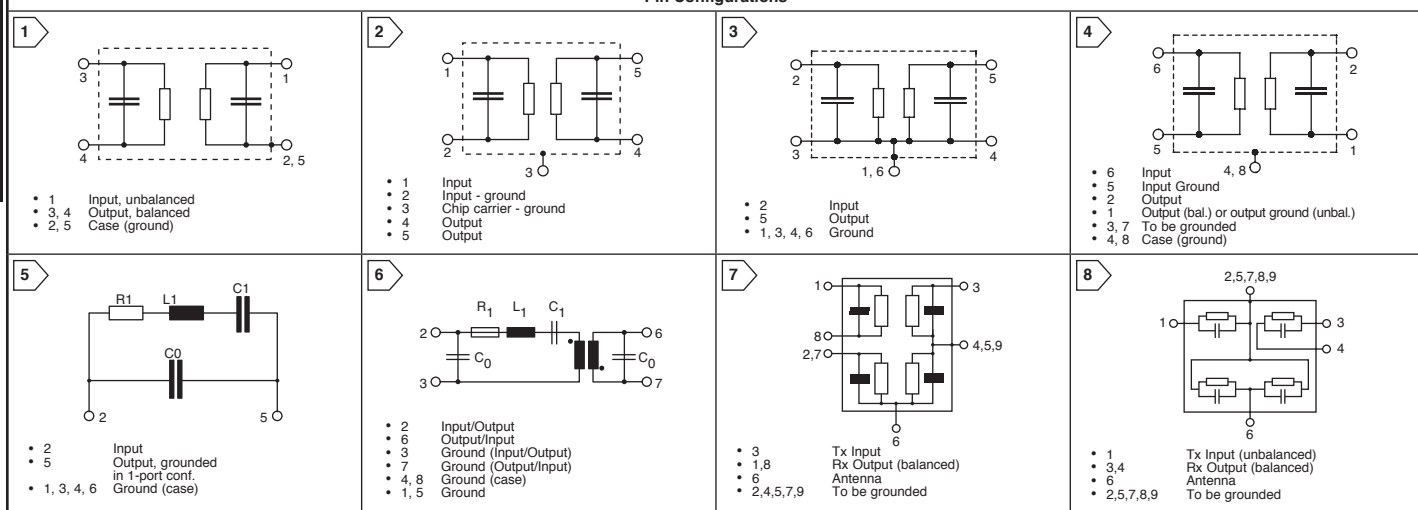


RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm



Pin Configurations



Surface Acoustic Wave (SAW) resonators and front end filters are key components in modern Remote Control Applications, which transmit in Europe typically at 433.92MHz or 868-870MHz and in the USA at 315 or 915MHz. These remote controls are used in systems for Remote Keyless Entry (RKE, wireless operation of a car's central locking system), wireless Tire Pressure Monitoring (TPMS), electronic toll, RFID, short range data transmission, security alarms and garage door openers. They consist of several transmitters and receivers as well as the combination of both, transceivers.

Transmitter The code which is supposed to be transmitted to the receiver consists of an encoded identifier (including a rolling code for security reasons) and the message itself to e.g. unlock the central locking system of a car. An oscillator which is synchronized by a SAW resonator oscillates at an exact frequency. Thereby, it generates an RF carrier signal, which (using the simple on-off-keying procedure, OOK) is modulated according to the transmission code by simply turning the oscillator on and off. This coded, modulated RF signal will be sent out through the antenna of the transmitter.

Receiver The modulated RF signal (encoded message) sent from the transmitter is received by the antenna of the receiver a few feet away (typically 30-300 ft.). Additionally, the receiver will involuntarily pick up environmental noise and spurious emissions which may jam/block the receiver, making it deaf for any message from the transmitter. To avoid this, a narrow band SAW front end filter with high selectivity can filter out this unwanted noise. A local oscillator (stabilized e.g. by a SAW resonator like the transmitter oscillator) generates an LO frequency, typically 500KHz or 10.7MHz below transmission frequency. The filtered RF signal from the antenna will now be mixed down in a mixer with this LO frequency to an intermediate frequency (IF), which can be decoded by decoder ICs and microcontrollers.

- Features:**
- Provides reliable, fundamental mode, quartz frequency stabilization in transmitters or local oscillators
 - RoHS Compatible
 - Ni, Gold-Plated Terminals
 - Passivation Layer Elpas
 - AEC-Q200 Qualified

MOUSER STOCK NO.	Epcos Part No.	Application	Internal Schematic Diagrams	Center Frequency (MHz)	Case Size (mm)	Min. Insertion Attenuation (dB)	Price Each				Reel Qty.	Price Per Piece
							1	50	100	1000		
SAW Filters												
871-B39162B7840C710	B39162B7840C710	Low Loss GPS	A1	1575.42	2.0x1.4x0.68	1.2						9000
871-B39162B9417K610	B39162B9417K610	GPS	B1	1575.42	1.4x1.1x0.4	1.1						15000
871-B39242B9413K610	B39242B9413K610	Bluetooth	B1	2441.75	1.4x1.1x0.4	2.0						6000
871-B39252B9430M410	B39252B9430M410	WLAN	B1	2450	1.4x1.1x0.4	2.2						15000
871-B39361X6865N201	B39361X6865N201	BandPass 6.0MHz	C2	36.125	SIP5D	17.6						2000
871-B39438X6964M100	B39438X6964M100	BandPass 6.0MHz	D2	43.75	SIP5K	14.8						1000
871-B39438X6964N201	B39438X6964N201	BandPass 6.0MHz	D2	43.75	SIP5K	14.8						2000
871-B39440X6855M100	B39440X6855M100	BandPass 7.9MHz	C2	44	SIP5D	17.3						1000
871-B39440X6941N201	B39440X6941N201	BandPass 7.5MHz	C2	44	SIP5D	20.0						2000
SAW Resonators												
871-B39871B3716U410	B39871B3716U410	ISM Band Europe	E3	869	3.0x3.0x1.1	3.9						9000
871-B39162B4060U810	B39162B4060U810	GPS	E4	1575.42	3.0x3.0x1.1	1.8						9000
871-B39311R854H210	B39311R854H210	Transmitter Stability	E5	314.5	3.0x3.0x1.1	1.3						3000
871-B39321R801H210	B39321R801H210	Transmitter Stability	E5	315	3.0x3.0x1.1	1.5						3000
871-B39321R821H210	B39321R821H210	Transmitter Stability	E5	315	3.0x3.0x1.1	1.5						3000
871-B39431R880H210	B39431R880H210	Transmitter Stability	E5	433.92	3.0x3.0x1.1	1.2						3000
871-B39431R900U410	B39431R900U410	Transmitter Stability	E5	433.92	3.0x3.0x1.1	1.4						9000
871-B39871R2711U310	B39871R2711U310	Transmitter Stability	F6	868.3	5.0x5.0x1.35	7.0						3000
SAW Duplexers												
871-B39781B7928P810	B39781B7928P810	Low Loss Mobile Telephone	G7	782, 751	3x2.5	1.5, 2						9000
871-B39881B7654P810	B39881B7654P810	Low Loss Mobile Telephone	H8	836.5, 881.5	3x2.5	1.7, 2.2						9000

SAW Resonators

MOUSER STOCK NO.	Epcos Part No.	Application	Center Frequency (MHz)	Case Size (mm)	Min. Insertion Attenuation (dB)	Price Each			
						1	50	100	1000
871-B39311R2710U310	B39311R2710U310	Transmitter stability	311.06	5.0x5.0x1.35	8.7				
871-B39321R2704U310	B39321R2704U310	Transmitter stability	315.00	5.0x5.0x1.35	9.4				
871-B39421R2702U310	B39421R2702U310	Transmitter stability	418.05	5.0x5.0x1.35	9.2				
871-B39431R2701U310	B39431R2701U310	Transmitter stability	433.92	5.0x5.0x1.35	9.2				
871-B39431R980U410	B39431R980U410	Transmitter stability	433.92	3.0x3.0x1.1	1.4				
871-B39801R2712U310	B39801R2712U310	Transmitter stability	868.69	5.0x5.0x1.35	3.1				
871-B39921R2706U310	B39921R2706U310	Transmitter stability	915.00	5.0x5.0x1.35	7.0				

CYLINDER TYPE KHZ CRYSTALS

Specifications:

- Frequency range: 32.768KHz (20KHz to 307.2KHz)
- Operating temperature: -10°C to +60°C

Applications:

- Clock and microcomputer



RoHS Compliant This product is RoHS compliant.

Model	DIMENSIONS: mm				
	L1	L2	D1	D2	B
C-001R	8.0 max.	9.0 min.	ø3.1 max.	ø0.3	1.1
C-002RX, C-2-TYPE	6.0 max.	4.0 min.	ø2.0 max.	ø0.2	0.7
C-004R	5.0 max.	4.0 min.	ø1.5 max.	ø0.18	0.5
C-005R	4.6 max.	4.0 min.	ø1.2 max.	ø0.15	0.3

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Frequency (KHz)	Load Capacitance (pF)	Price Each				
					1	10	50	100	500
732-C001R32.76K-APB	C-001R 32.7680K-A:PBFFREE	A	32.768000	12.5					
732-C002RX32.76K-APB	C-002RX 32.7680K-A:PBFFREE	A	32.768000	12.5					
732-C002RX32.76K-EPB	C-002RX 32.7680K-E:PBFFREE	A	32.768000	6					
732-C004R32.76K-APB	C-004R 32.7680K-A:PBFFREE	A	32.768000	12.5					
732-C005R32.76K-ACPB	C-005R 32.7680K-AC:PBFFREE	A	32.768000	9					
732-C-2100.0000K-PPB	C-2 100.0000K-P:PBFFREE	A	100.000000	11					
732-C-2120.0000K-PPB	C-2 120.0000K-P:PBFFREE	A	120.000000	11					
732-C-2149.4750K-PPB	C-2 149.4750K-P:PBFFREE	A	149.475000	11					
732-C-220.0000K-PPB	C-2 20.0000K-P:PBFFREE	A	20.000000	11					
732-C-225.6000K-PPB	C-2 25.6000K-P:PBFFREE	A	25.600000	11					
732-C-231.2500K-PPB	C-2 31.2500K-P:PBFFREE	A	31.250000	11					
732-C-232.0000K-PPB	C-2 32.0000K-P:PBFFREE	A	32.000000	11					
732-C-238.4000K-PPB	C-2 38.4000K-P:PBFFREE	A	38.400000	11					
732-C-240.0000K-PPB	C-2 40.0000K-P:PBFFREE	A	40.000000	11					
732-C-260.0000K-PPB	C-2 60.0000K-P:PBFFREE	A	60.000000	11					
732-C-265.5350K-PPB	C-2 65.5350K-P:PBFFREE	A	65.535000	11					
732-C-276.8000K-PPB	C-2 76.8000K-P:PBFFREE	A	76.800000	11					
732-C-296.0000K-PPB	C-2 96.0000K-P:PBFFREE	A	96.000000	11					

CYLINDER TYPE MHZ CRYSTALS

Specifications:

- Frequency range: 4.0MHz to 64.0MHz

Applications:

- For clock of integrated circuit



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Frequency (MHz)	Package DxL (mm)	Price Each				
					1	10	50	100	500
732-CA30110.0M-CPB	CA-301 10.0000M-C:PBFFREE	B	10.000000	3.1x8.9					
732-CA30110.24M-CPB	CA-301 10.2400M-C:PBFFREE	B	10.240000	3.1x8.9					
732-CA30111.05M-CPB	CA-301 11.0592M-C:PBFFREE	B	11.059200	3.1x8.9					
732-CA30112.00M-CPB	CA-301 12.0000M-C:PBFFREE	B	12.000000	3.1x8.9					
732-CA30112.28M-CPB	CA-301 12.2880M-C:PBFFREE	B	12.288000	3.1x8.9					
732-CA30114.318M-CPB	CA-301 14.31818M-C:PBFFREE	B	14.318180	3.1x8.9					
732-CA30114.74M-CPB	CA-301 14.7456M-C:PBFFREE	B	14.745600	3.1x8.9					
732-CA30116.00M-CPB	CA-301 16.0000M-C:PBFFREE	B	16.000000	3.1x8.9					
732-CA30118.43M-CPB	CA-301 18.4320M-C:PBFFREE	B	18.432000	3.1x8.9					
732-CA30120.00M-CPB	CA-301 20.0000M-C:PBFFREE	B	20.000000	3.1x8.9					
732-CA30122.11M-CPB	CA-301 22.1184M-C:PBFFREE	B	22.118400	3.1x8.9					
732-CA30124.00M-CPB	CA-301 24.0000M-C:PBFFREE	B	24.000000	3.1x8.9					
732-CA30125.00M-CPB	CA-301 25.0000M-C:PBFFREE	B	25.000000	3.1x8.9					
732-CA30133.00M-CPB	CA-301 33.0000M-C:PBFFREE	B	33.000000	3.1x8.9					
732-CA3014.0000M-CPB	CA-301 4.0000M-C:PBFFREE	B	4.000000	3.1x9.1					
732-CA3014.194M-CPB	CA-301 4.194304M-C:PBFFREE	B	4.194304	3.1x9.1					
732-CA3014.9152M-CPB	CA-301 4.9152M-C:PBFFREE	B	4.915200	3.1x9.1					
732-CA30140.00M-CPB	CA-301 40.0000M-C:PBFFREE	B	40.000000	3.1x8.9					
732-CA3015.5000M-CPB	CA-301 5.5000M-C:PBFFREE	B	5.500000	3.1x9.1					
732-CA3016.000M-CPB	CA-301 6.000M-C:PBFFREE	B	6.000000	3.1x8.9					
732-CA3016.1440M-CPB	CA-301 6.1440M-C:PBFFREE	B	6.144000	3.1x8.9					
732-CA3017.200M-CPB	CA-301 7.200M-C:PBFFREE	B	7.200000	3.1x8.9					
732-CA3017.372M-CPB	CA-301 7.372M-C:PBFFREE	B	7.372000	3.1x8.9					
732-CA3018.000M-CPB	CA-301 8.000M-C:PBFFREE	B	8.000000	3.1x8.9					
732-CA3018.432M-CPB	CA-301 8.432M-C:PBFFREE	B	8.432000	3.1x8.9					
732-CA3019.830M-CPB	CA-301 9.830M-C:PBFFREE	B	9.830000	3.1x8.9					

ULTRA MINIATURE SIZE, LOW PROFILE, SMD, MHZ RANGE CRYSTAL UNITS

Specifications:

- Case size: 5mm x 2.0mm x .55mm
- Frequency range: 12MHz to 48MHz

Applications:

- Mobile phone, Bluetooth, W-LAN, ISM band radio, clock for MPU



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Frequency (MHz)	Load Capacitance (pF)	Price Each				
					1	10	50	100	500
732-FA-20H20L81ZAC3	FA-20H 20.0000ML81Z-AC3	C	20.000000	9					
732-FA-20H26L81ZAC3	FA-20H 26.0000ML81Z-AC3	C	26.000000	9					

LOW PROFILE, SMD, KHZ RANGE CRYSTAL UNITS

Specifications:

- Frequency range: 22.0KHz to 100KHz

Applications:

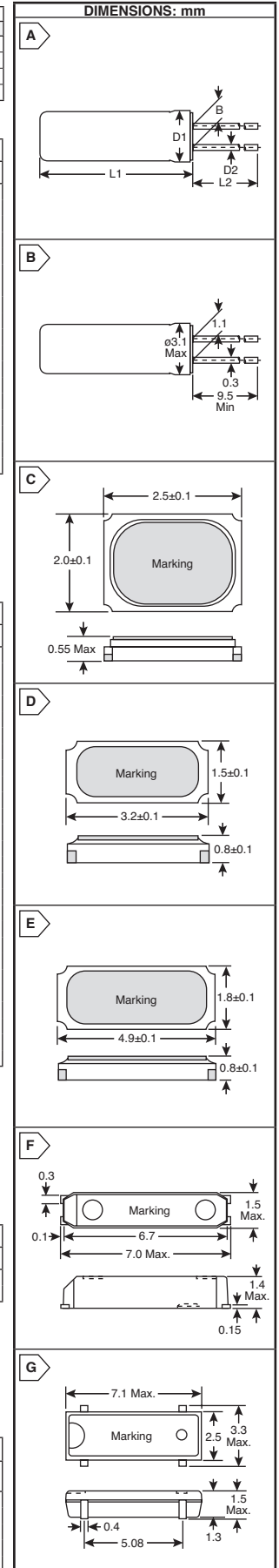
- Small communication devices



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Package LxWxH (mm)	Frequency (KHz)	Load Capacitance (pF)	Price Each				
						1	10	50	100	500
732-FC-13532.76KAA0	FC-135 32.7680KA-A0	D	3.2x1.5x.8	32.768	12.5					
732-FC-25532.76KA3	FC-255 32.7680KA-A3	E	4.9x1.8x.8	32.768	12.5					
732-MC14632.76KA-A0RHS	MC-146 32.7680KA-A0 ROHS	F	7.0x1.5x1.4	32.768	12.5					
732-MC14632.76KAAC3R	MC-146 32.7680KA-AC3:ROHS	F	7.0x1.5x1.4	32.768	9					
732-MC15632.76KAA0R	MC-156 32.7680KA-A0:ROHS	G	7.1x3.3x1.5	32.768	12.5					



SMD MHZ RANGE CRYSTAL UNITS

Specifications:

- Frequency range: 14.31818MHz, 17.734MHz to 41.0MHz

Applications:

- Clock of integrated circuit

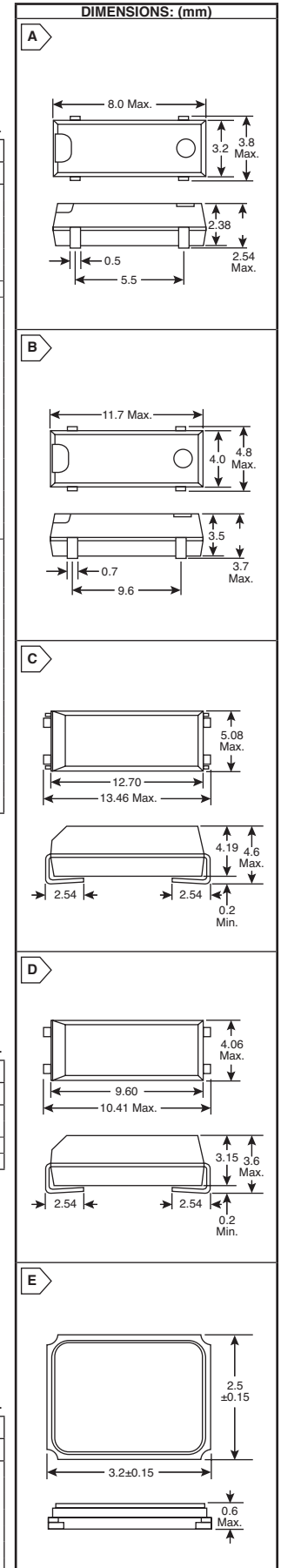


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Frequency (MHz)	Package LxWxH (mm)	Price Each				
					1	10	50	100	500
732-MA-30618.4-COR	MA-306 18.4320M-C0:ROHS	A	18.432000	8.0x3.8x2.54					
732-MA-30620-C0-R	MA-306 20.0000M-C0:ROHS	A	20.000000	8.0x3.8x2.54					
732-MA-30624-COR	MA-306 24.0000M-C0:ROHS	A	24.000000	8.0x3.8x2.54					
732-MA-30624.57-COR	MA-306 24.5760M-C0:ROHS	A	24.576000	8.0x3.8x2.54					
732-MA-30625-COR	MA-306 25.0000M-C0:ROHS	A	25.000000	8.0x3.8x2.54					
732-MA-30632-COR	MA-306 32.0000M-C0:ROHS	A	32.000000	8.0x3.8x2.54					
732-MA-40625-C3R	MA-406 25.0000M-C3:ROHS	B	25.000000	11.7x4.8x3.7					
732-MA-50510-COR	MA-505 10.0000M-C0:ROHS	C	10.000000	12.7x5.08x4.6					
732-MA-50511.05-COR	MA-505 11.0592M-C0:ROHS	C	11.059200	12.7x5.08x4.6					
732-MA-50512-COR	MA-505 12.0000M-C0:ROHS	C	12.000000	12.7x5.08x4.6					
732-MA-50514.31-COR	MA-505 14.3180M-C0:ROHS	C	14.318000	12.7x5.08x4.6					
732-MA-50514.74-COR	MA-505 14.7456M-C0:ROHS	C	14.745600	12.7x5.08x4.6					
732-MA-50516-COR	MA-505 16.0000M-C0:ROHS	C	16.000000	12.7x5.08x4.6					
732-MA-50518.43-COR	MA-505 18.4320M-C0:ROHS	C	18.432000	12.7x5.08x4.6					
732-MA-50520-COR	MA-505 20.0000M-C0:ROHS	C	20.000000	12.7x5.08x4.6					
732-MA-50524-COR	MA-505 24.0000M-C0:ROHS	C	24.000000	12.7x5.08x4.6					
732-MA-50524.57-COR	MA-505 24.5760M-C0:ROHS	C	24.576000	12.7x5.08x4.6					
732-MA-50525-COR	MA-505 25.0000M-C0:ROHS	C	25.000000	12.7x5.08x4.6					
732-MA-5054-COR	MA-505 4.0000M-C0:ROHS	C	4.000000	12.7x5.08x4.6					
732-MA-5056-COR	MA-505 6.0000M-C0:ROHS	C	6.000000	12.7x5.08x4.6					
732-MA-5057.37-COR	MA-505 7.3728M-C0:ROHS	C	7.372800	12.7x5.08x4.6					
732-MA-5058-COR	MA-505 8.0000M-C0:ROHS	C	8.000000	12.7x5.08x4.6					
732-MA-50610-COR	MA-506 10.0000M-C0:ROHS	C	10.000000	12.7x5.08x4.6					
732-MA-50611.05-COR	MA-506 11.0592M-C0:ROHS	C	11.059200	12.7x5.08x4.6					
732-MA-50612-COR	MA-506 12.0000M-C0:ROHS	C	12.000000	12.7x5.08x4.6					
732-MA-50612.28-COR	MA-506 12.2880M-C0:ROHS	C	12.288000	12.7x5.08x4.6					
732-MA-50614.74-COR	MA-506 14.7456M-C0:ROHS	C	14.745600	12.7x5.08x4.6					
732-MA-50616-COR	MA-506 16.0000M-C0:ROHS	C	16.000000	12.7x5.08x4.6					
732-MA-50618.43-COR	MA-506 18.4320M-C0:ROHS	C	18.432000	12.7x5.08x4.6					
732-MA-50620-COR	MA-506 20.0000M-C0:ROHS	C	20.000000	12.7x5.08x4.6					
732-MA-50622.11-COR	MA-506 22.1184M-C0:ROHS	C	22.118400	12.7x5.08x4.6					
732-MA-50624.57-COR	MA-506 24.5760M-C0:ROHS	C	24.576000	12.7x5.08x4.6					
732-MA-50625-COR	MA-506 25.0000M-C0:ROHS	C	25.000000	12.7x5.08x4.6					
732-MA-5064-COR	MA-506 4.0000M-C0:ROHS	C	4.000000	12.7x5.08x4.6					
732-MA-5064.09-COR	MA-506 4.0960M-C0:ROHS	C	4.096000	12.7x5.08x4.6					
732-MA-5064.91-COR	MA-506 4.9152M-C0:ROHS	C	4.915200	12.7x5.08x4.6					
732-MA-5066-COR	MA-506 6.0000M-C0:ROHS	C	6.000000	12.7x5.08x4.6					
732-MA-5067.37-COR	MA-506 7.3728M-C0:ROHS	C	7.372800	12.7x5.08x4.6					
732-MA-5068-COR	MA-506 8.0000M-C0:ROHS	C	8.000000	12.7x5.08x4.6					

Epson Toyocom Frequency Control



SMD KHZ RANGE CRYSTAL UNITS

Specifications:

- Case size: 8.0x3.8x2.54mm
- Frequency range: 14.31818MHz, 17.734MHz to 41.0MHz

Applications:

- Clock and microcomputer



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Frequency (MHz)	Load Capacitance (pF)	Price Each				
					1	10	50	100	500
732-MC30632.7680KA0R	MC-306 32.7680K-A0:ROHS	A	32.768	12.5					
732-MC30632.768K-E3R	MC-306 32.768K-E3:ROHS	A	32.768	6					
732-MC40532.7680KA0R	MC-405 32.7680K-A0:ROHS	D	32.768	12.5					
732-MC40632.768K-A3R	MC-406 32.768K-A3:ROHS	D	32.768	12.5					

MINIATURE SIZE, LOW PROFILE, SMD, MHZ RANGE CRYSTAL UNITS

Specifications:

- Case size: 3.2mm x 2.5mm x .6mm
- Frequency range: 12.0MHz to 54MHz

Applications:

- Mobile phone, Bluetooth, W-LAN, ISM band radio, clock for MPU



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Frequency (MHz)	Load Capacitance (pF)	Price Each				
					1	10	50	100	500
732-TX325-16F09Z-AC3	TSX-3225 16.0000MF09Z-AC3	E	16.000000	9					
732-TX325-16F18X-AC3	TSX-3225 16.0000MF18X-AC3	E	16.000000	9					
732-TX325-20F20G-AC3	TSX-3225 20.0000MF20G-AC3	E	20.000000	9					
732-TX325-24F15X-AC3	TSX-3225 24.0000MF15X-AC3	E	24.000000	9					
732-TX325-24F20G-AC3	TSX-3225 24.0000MF20G-AC3	E	24.000000	9					
732-TX325-26F09Z-AC3	TSX-3225 26.0000MF09Z-AC3	E	26.000000	9					
732-TX325-38.4F10ZA3	TSX-3225 38.4000MF10Z-AS3	E	38.400000	8.5					

RoHS Compliant This product is RoHS compliant.

REAL TIME CLOCK MODULES

4-Bit • 12/24 hour changeable and leap year auto

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Operating Temperature (°C)	Voltage	Price Each			
					1	10	50	100
732-RTC-72421AR	RTC-72421A:ROHS	A	-10 to +70	5.5V				
732-RTC-72423A:3R	RTC-72423A:3:ROHS	B	-40 to +85	5.5V				
732-RTC-72423AR	RTC-72423A:ROHS	B	-40 to +85	5.5V				

Low Current Consumption I²C-Bus Interface

• Full calendar, alarm, timer, power supply voltage monitoring For quantities greater than listed, call for quote.

732-RTC-8564NB:B3R	RTC-8564NB:B3:ROHS	C	-40 to +85	3V				
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Built-In SRAM Serial Interface

• 128bit (8bitx16) RAM • Full calendar, alarm, timer For quantities greater than listed, call for quote.

732-RX-4581NB:B3R	RX-4581NB:B3:ROHS	C	-40 to +85	3V				
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High Stability I²C-Bus Interface

• Full calendar, alarm, timer For quantities greater than listed, call for quote.

732-RX-8025SA:AA3	RX-8025SA:AA3	D	-40 to +85	3V				
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I²C-Bus Interface

• Full calendar, alarm, timer For quantities greater than listed, call for quote.

732-RX-8581SA:B3R	RX-8581SA:B3:ROHS	D	-40 to +85	3V				
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Simple Function Serial-Interface

• Full calendar, timer, low voltage detection For quantities greater than listed, call for quote.

732-RTC-4543SA:AOR	RTC-4543SA:A0:ROHS	D	-10 to +85	5.0V				
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SPXO CRYSTAL OSCILLATORS

For quantities greater than listed, call for quote.

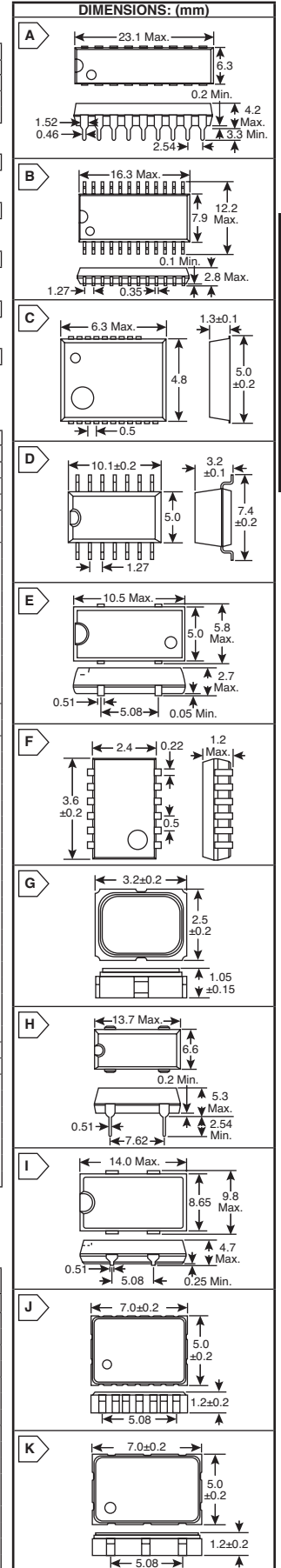
MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Frequency (MHz)	Package LxWxH (mm)	Voltage	Price Each			
						1	10	50	100
732-3030JC32.76KB3R	SG-3030JC 32.7680KB3:ROHS	E	32.768	10.5x5.8x2.7	1.5-5.5V				
732-3030LC32.7KB0.SN	SG-3030LC 32.7680KB0, PURE SN	F	32.768	3.6x2.4x1.2	1.5-5.5V				
732-3040LC32.7KB3.SN	SG-3040LC, 32.7680KB3, PURE SN	F	32.768	3.6x2.4x1.2	0.9-3.6V				
732-310SCF25.0000MB3	SG-310SCF 25.0000MB3	G	25.000000	3.2x2.51.05	3.3				
732-310SCF48.0000MC3	SG-310SCF 48.0000MC3	G	48.000000	3.2x2.51.05	3.3				
732-531P10.0000MCR	SG-531P 10.0000MC:ROHS	H	10.000000	13.7x6.6x5.3	5				
732-531P12.2880MCR	SG-531P 12.2880MC:ROHS	H	12.288000	13.7x6.6x5.3	5				
732-531P14.7456MCR	SG-531P 14.7456MC:ROHS	H	14.745600	13.7x6.6x5.3	5				
732-531P18.4320MCR	SG-531P 18.4320MC:ROHS	H	18.432000	13.7x6.6x5.3	5				
732-531P19.6608MCR	SG-531P 19.6608MC:ROHS	H	19.660800	13.7x6.6x5.3	5				
732-531P3.2768MCR	SG-531P 3.2768MC:ROHS	H	3.276800	13.7x6.6x5.3	5				
732-531P3.579545MCR	SG-531P 3.579545MC:ROHS	H	3.579545	13.7x6.6x5.3	5				
732-531P3.6864MCR	SG-531P 3.6864MC:ROHS	H	3.686400	13.7x6.6x5.3	5				
732-531P4.0000MCR	SG-531P 4.0000MC:ROHS	H	4.000000	13.7x6.6x5.3	5				
732-531P8.0000MCR	SG-531P 8.0000MC:ROHS	H	8.000000	13.7x6.6x5.3	5				
732-531PTJ27.0000MCR	SG-531PTJ 27.0000MC:ROHS	H	27.000000	13.7x6.6x5.3	5				
732-531PTJ29.4910MCR	SG-531PTJ 29.4910MC:ROHS	H	29.491000	13.7x6.6x5.3	5				
732-615P1.8432MC0R	SG-615P 1.8432MC0:ROHS	I	1.843200	14.0x9.8x4.7	5				
732-615P10.0000MC0R	SG-615P 10.0000MC0:ROHS	I	10.000000	14.0x9.8x4.7	5				
732-615P11.0592MC0R	SG-615P 11.0592MC0:ROHS	I	11.059200	14.0x9.8x4.7	5				
732-615P12.0000MC0R	SG-615P 12.0000MC0:ROHS	I	12.000000	14.0x9.8x4.7	5				
732-615P12.2880MC0R	SG-615P 12.2880MC0:ROHS	I	12.288000	14.0x9.8x4.7	5				
732-615P14.3181MC0R	SG-615P 14.3181MC0:ROHS	I	14.318180	14.0x9.8x4.7	5				
732-615P14.7456MC3R	SG-615P 14.7456MC3:ROHS	I	14.745600	14.0x9.8x4.7	5				
732-615P16.0000MC0R	SG-615P 16.0000MC0:ROHS	I	16.000000	14.0x9.8x4.7	5				
732-615P18.4320MC0R	SG-615P 18.4320MC0:ROHS	I	18.432000	14.0x9.8x4.7	5				
732-615P19.6608MC0R	SG-615P 19.6608MC0:ROHS	I	19.660800	14.0x9.8x4.7	5				
732-615P2.0000MC0R	SG-615P 2.0000MC0:ROHS	I	2.000000	14.0x9.8x4.7	5				
732-615P2.0480MC0R	SG-615P 2.0480MC0:ROHS	I	2.048000	14.0x9.8x4.7	5				
732-615P2.4576MC0R	SG-615P 2.4576MC0:ROHS	I	2.457600	14.0x9.8x4.7	5				
732-615P20.0000MC0R	SG-615P 20.0000MC0:ROHS	I	20.000000	14.0x9.8x4.7	5				
732-615P22.1184MC0R	SG-615P 22.1184MC0:ROHS	I	22.118400	14.0x9.8x4.7	5				
732-615P25.0000MC0R	SG-615P 25.0000MC0:ROHS	I	25.000000	14.0x9.8x4.7	5				
732-615P3.6864MC0R	SG-615P 3.6864MC0:ROHS	I	3.686400	14.0x9.8x4.7	5				
732-615P4.0000MC0R	SG-615P 4.0000MC0:ROHS	I	4.000000	14.0x9.8x4.7	5				
732-615P7.3728MC0R	SG-615P 7.3728MC0:ROHS	I	7.372800	14.0x9.8x4.7	5				
732-615PCG25.0B3R	SG-615PCG 25.0000MB3:ROHS	I	25.000000	14.0x9.8x4.7	5				
732-615PTJ27.0000MC0R	SG-615PTJ 27.0000MC0:ROHS	I	27.000000	14.0x9.8x4.7	5				
732-636PCE3.6864MC0R	SG-636PCE 3.6864MC0:ROHS	E	3.686400	10.5x5.8x2.7	3.3				
732-636PCE36.0000MC0R	SG-636PCE 36.0000MC0:ROHS	E	36.000000	10.5x5.8x2.7	3.3				
732-636PCE4.0000MC0R	SG-636PCE 4.0000MC0:ROHS	E	4.000000	10.5x5.8x2.7	3.3				
732-636PCE40.0000MC0R	SG-636PCE 40.0000MC0:ROHS	E	40.000000	10.5x5.8x2.7	3.3				
732-636PCE5.0000MC0R	SG-636PCE 5.0000MC0:ROHS	E	5.000000	10.5x5.8x2.7	3.3				
732-636PCE6.0000MC0R	SG-636PCE 6.0000MC0:ROHS	E	6.000000	10.5x5.8x2.7	3.3				
732-636PCE8.0000MC0R	SG-636PCE 8.0000MC0:ROHS	E	8.000000	10.5x5.8x2.7	3.3				

LOW-JITTER SAW CRYSTAL OSCILLATORS

- Case size: 7.0x5.0x1.4mm (max.)
- Low jitter and low phase noise

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epson Toyocom Part No.	Fig.	Frequency (MHz)	Output	Voltage	Price Each				
						1	10	50	100	500
732-EG2001106.2PCHL3	EG-2001CA 106.2500M-PCHL3	J	106.250000	CMOS	3.3					
732-EG2001125PCHL3	EG-2001CA 125.0000M-PCHL3	J	125.000000	CMOS	3.3					
732-EG2101125PCHL3	EG-2101CA 125.0000M-PCHL3	K	125.000000	Diff LVPECL	3.3					
732-2101161.1MPCHL3	EG-2101CA 161.1328M-PCHL3	K	161.132800	Diff LVPECL	3.3					
732-2102125PHPAL3	EG-2102CA 125.0000M-PHPAL3	K	125.000000	LVPECL	3.3					
732-210212.5MPHPAL3	EG-2102CA 212.5000M-PHPAL3	K	212.500000	HCSL	3.3					
732-2102312.5MPHPAL3	EG-2102CA 312.5000M-PHPAL3	K	312.500000	HCSL	3.3					
732-2121100LGPLAL3	EG-2121CA 100.0000M-LGPLAL3	K	100.000000	LVDS	2.5					
732-2121125LHPAL3	EG-2121CA 125.0000M-LHPAL3	K	125.000000	LVDS	2.5					
732-2121156.2LHPAL3	EG-2121CA 156.2500M-LHPAL3	K	156.250000	LVDS	2.5					
732-2121200LGPLAL3	EG-2121CA 200.0000M-LGPLAL3	K	200.000000	LVDS	2.5					
732-2121200LGNL3	EG-2121CA 200.0000M-LGPNL3	K	200.000000	LVDS	2.5					
732-2121200LHPAL3	EG-2121CA 200.0000M-LHPAL3	K	200.000000	LVDS	2.5					
732-2121200PHPAL3	EG-2121CA 200.0000M-PHPAL3	K	200.000000	LVPECL	2.5					
732-2121250LGPLAL3	EG-2121CA 250.0000M-LGPLAL3	K	250.000000	LVDS	2.5					
732-2121312.5MLGPLAL3	EG-2121CA 312.5000M-LGPLAL3	K	312.500000	LVDS	2.5					



CERAMIC RESONATORS (CERALOCK®) CHIP TYPE THREE-TERMINALS CSTCC/E/R/W/G SERIES

- Features:**
- Oscillation circuits do not require external load capacitors
 - The resonators are extremely small and have a low profile
 - No adjustment is necessary for oscillation circuits
 - Temperature range: -20°C to +80°C
- Application:**
- Clock oscillators for microprocessors
 - Electronic control circuits for small electronic equipment
 - Audio-visual applications (Camcorder, Remote Controller, etc.)
 - Office automation equipment (DVD, CD-ROM, HDD, FDD, etc.)

For quantities greater than listed, call for quote.

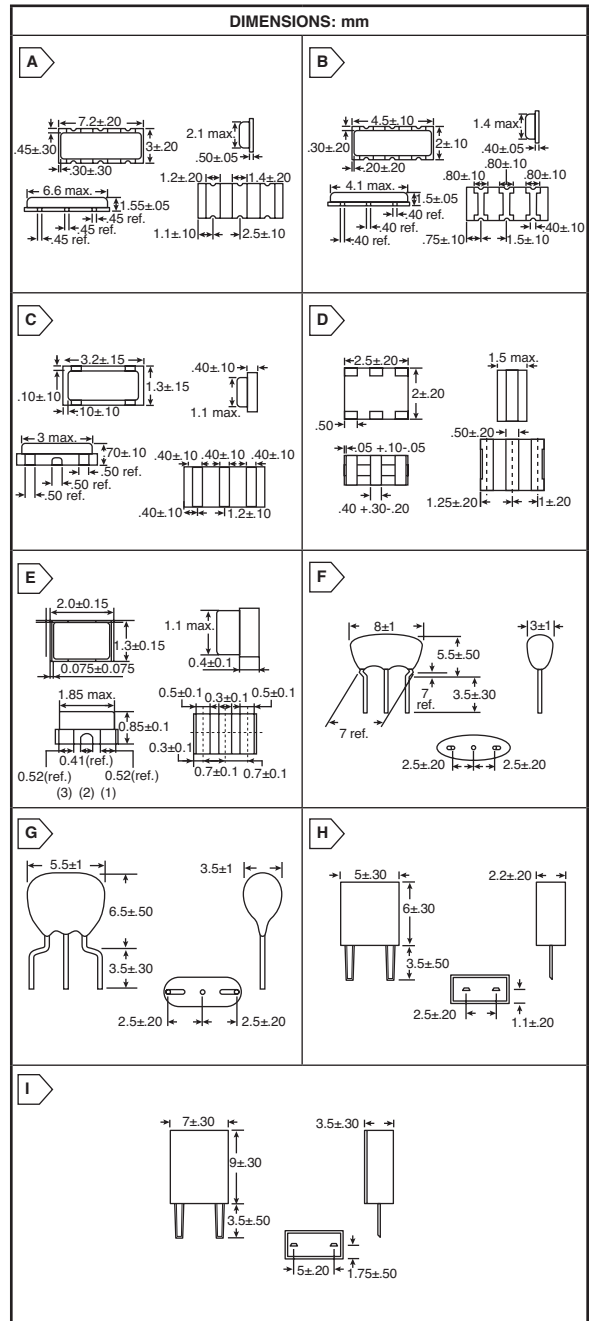
MOUSER STOCK NO.	Murata Part No.	Fig.	Oscillating Freq. (MHz)	Price Each			Reel Qty.	Price Per Piece
				1	50	100		
CSTCC-G Series Commercial								
81-CSTCC2.0MG-TC	CSTCC2M00G53-R0	A	2.00				2000	
81-CSTCC2M00G53Z-R0	CSTCC2M00G53Z-R0	A	2.00				2000	
81-CSTCC2M00G56A-R0	CSTCC2M00G56A-R0	A	2.00				2000	
81-CSTCC2M00G56-R0	CSTCC2M00G56-R0	A	2.00				2000	
81-CSTCC2M00G56Z-R0	CSTCC2M00G56Z-R0	A	2.00				2000	
81-CSTCC3.58MG-TC	CSTCC3M58G53-R0	A	3.58				2000	
81-CSTCC3M58G53A-R0	CSTCC3M58G53A-R0	A	3.58				2000	
81-CSTCC3M58G56A-R0	CSTCC3M58G56A-R0	A	3.58				2000	
81-CSTCC3M58G56-R0	CSTCC3M58G56-R0	A	3.58				2000	
81-CSTCC4M00G56-R0	CSTCC4M00G56-R0	A	4.00				2000	
81-CSTCR6M00G55-R0	CSTCC6M00G56-R0	A	6.00				3000	
CSTCR-G Series Commercial								
81-CSTCR4M00G53	CSTCR4M00G53-R0	B	4.00				3000	
81-CSTCR4M00G53Z-R0	CSTCR4M00G53Z-R0	B	4.00				3000	
81-CSTCR4M00G55Z-R0	CSTCR4M00G55Z-R0	B	4.00				3000	
81-CSTCR4M19G53Z-R0	CSTCR4M19G53Z-R0	B	4.19				3000	
81-CSTCR4M19G55-R0	CSTCR4M19G55-R0	B	4.19				3000	
81-CSTCR4M19G55Z-R0	CSTCR4M19G55Z-R0	B	4.19				3000	
81-CSTCR4M19G53	CSTCR4M19G53-R0	B	4.19				3000	
81-CSTCR4M91G53	CSTCR4M91G53-R0	B	4.91				3000	
81-CSTCR4M91G53Z-R0	CSTCR4M91G53Z-R0	B	4.91				3000	
81-CSTCR4M91G55-R0	CSTCR4M91G55-R0	B	4.91				3000	
81-CSTCR5M00G53	CSTCR5M00G53-R0	B	5.00				3000	
81-CSTCR6M00G53	CSTCR6M00G53-R0	B	6.00				3000	
CSTCE-G Series Commercial								
81-CSTCE8M00G55-R0	CSTCE8M00G55-R0	C	8.00				3000	
81-CSTCE8M00G52Z-R0	CSTCE8M00G52Z-R0	C	8.00				3000	
81-CSTCE10M0G52-R0	CSTCE10M0G52-R0	C	10.00				3000	
81-CSTCE10M0G52Z-R0	CSTCE10M0G52Z-R0	C	10.00				3000	
81-CSTCE10M0G55Z-R0	CSTCE10M0G55Z-R0	C	10.00				3000	
81-CSTCE10M0G55-R0	CSTCE10M0G55-R0	C	10.00				3000	
81-CSTCE12M0G52-R0	CSTCE12M0G52-R0	C	12.00				3000	
81-CSTCE12M0G55-R0	CSTCE12M0G55-R0	C	12.00				3000	
81-CSTCE16M0V53-R0	CSTCE16M0V53-R0	C	16.00				3000	
81-CSTCE16M0V51-R0	CSTCE16M0V51-R0	C	16.00				3000	
81-CSTCE16M3V51-R0	CSTCE16M3V51-R0	C	16.00				3000	
81-CSTCE20M0V51-R0	CSTCE20M0V51-R0	C	20.00				3000	
81-CSTCE20M0V53-R0	CSTCE20M0V53-R0	C	20.00				3000	
CSTCW-X Series Commercial								
81-CSTCW24M0X53-R0	CSTCW24M0X53-R0	D	24.00				3000	
81-CSTCW30M0X51-R0	CSTCW30M0X51-R0	D	30.00				3000	
81-CSTCW30M0X53-R0	CSTCW30M0X53-R0	D	30.00				3000	
81-CSTCW48M0X51-R0	CSTCW48M0X51-R0	D	48.00				3000	
CSTCG-V Series Commercial								
81-CSTCG20M0V51-R0	CSTCG20M0V51-R0	E	20.00				3000	
81-CSTCG24M0V53-R0	CSTCG24M0V53-R0	E	24.00				3000	

LEAD TYPE THREE-TERMINALS CSTLS SERIES

- Features:**
- Oscillation circuits do not require external load capacitors
 - The resonators are compact, light weight and exhibit superior shock resistance performance
 - They enable the design of oscillator circuits requiring no adjustment
 - Temperature range: -20°C to +80°C
- Application:**
- DTMF generators
 - Clock oscillators for microcomputers
 - Remote control units
 - Automated office equipment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Oscillating Freq. (MHz)	Price Each				
				1	50	100	500	1000
CSTLS Series Commercial								
81-CSTLS0358MG03	CSTLS3M58G53-B0	F	3.58					
81-CSTLS3M58G53-A0	CSTLS3M58G53-A0	F	3.58					
81-CSTLS3M58G56-A0	CSTLS3M58G56-A0	F	3.58					
81-CSTLS3M58G56-B0	CSTLS3M58G56-B0	F	3.58					
81-CSTLS4M00G56-B0	CSTLS4M00G56-B0	F	4.00					
81-CSTLS4M00G56Z-A0	CSTLS4M00G56Z-A0	F	4.00					
81-CSTLS0400MG03	CSTLS4M00G53-B0	F	4.00					
81-CSTLS4M19G53-B0	CSTLS4M19G53-B0	F	4.19					
81-CSTLS4M19G53-A0	CSTLS4M19G53-A0	F	4.19					
81-CSTLS4M19G56-A0	CSTLS4M19G56-A0	F	4.19					
81-CSTLS4M19G56-B0	CSTLS4M19G56-B0	F	4.19					
81-CSTLS4M91G53-A0	CSTLS4M91G53-A0	F	4.91					
81-CSTLS4M91G56-A0	CSTLS4M91G56-A0	F	4.91					
81-CSTLS5M00G53-B0	CSTLS5M00G53-B0	E	5.00					
81-CSTLS6M00G53-B0	CSTLS6M00G53-B0	E	6.00					
81-CSTLS6M00G53-A0	CSTLS6M00G53-A0	F	6.00					
81-CSTLS6M00G56-A0	CSTLS6M00G56-A0	F	6.00					
81-CSTLS6M00G56-B0	CSTLS6M00G56-B0	F	6.00					
81-CSTLS8M00G53Z-A0	CSTLS8M00G53Z-A0	F	8.00					
81-CSTLS8M00G56-A0	CSTLS8M00G56-A0	F	8.00					
81-CSTLS8M00G56-B0	CSTLS8M00G56-B0	F	8.00					
81-CSTLS8M00G56Z-A0	CSTLS8M00G56Z-A0	F	8.00					
81-CSTLS1000MG03	CSTLS10M0G53-B0	F	10.00					
81-CSTLS16M0X51-A0	CSTLS16M0X51-A0	F	16.00					
81-CSTLS16M0X51Z-A0	CSTLS16M0X51Z-A0	F	16.00					
81-CSTLS16M0X53-A0	CSTLS16M0X53-A0	F	16.00					
81-CSTLS16M0X55-A0	CSTLS16M0X55-A0	F	16.00					
81-CSTLS16M0X55Z-A0	CSTLS16M0X55Z-A0	F	16.00					
81-CSTLS20M0X53-A0	CSTLS20M0X53-A0	F	20.00					
81-CSTLS16M0X53-B0	CSTLS16M0X53-B0	G	16.00					
81-CSTLS20M0X53-B0	CSTLS20M0X53-B0	G	20.00					



LEAD TYPE TWO-TERMINAL CSBLA SERIES

- Features:**
- The series comprises fixed, tuned, solid-state devices
 - The resonators are miniature, light weight and exhibit excellent shock resistance
 - Oscillation circuits requiring no adjustment can be designed by utilizing these resonators in conjunction with transistors or appropriate ICs
 - Temperature range: -20°C to +80°C
- Application:**
- Square-wave and sine-wave oscillator
 - Clock generator for microprocessors
 - Remote control systems

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Oscillating Freq. (KHz)	Price Each				
				1	50	100	500	1000
Washable								
81-CSB400J	CSBLA400KJ5E-B0	H	400					
81-CSB480J	CSBLA480KJ58-B0	H	480					
81-CSB800J	CSBLA800KJ58-B0	H	800					
81-CSB1000J	CSBLA1000KJ58-B0	H	1000					
Non-Washable								
81-CSB455E	CSBLA455KEC8-B0	I	455					
81-CSB480E	CSBLA480KEC8-B0	I	480					
81-CSB500E	CSBLA500KEC8-B0	I	500					
81-CSB540E	CSBLA540KEC8-B0	I	540					

MURATA Hybrid Crystal Resonators



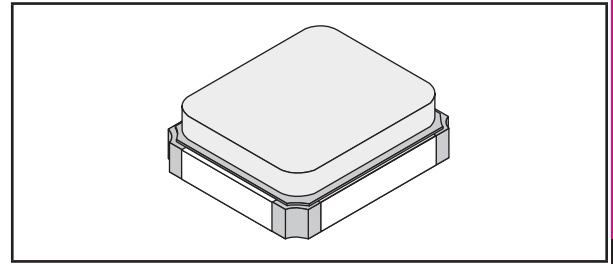
This product is RoHS compliant.



XRCGB SERIES - CRYSTAL RESONATORS

Murata's XRCGB crystal family features a quartz crystal element manufactured by Tokyo Denpa encased in Murata's proven packaging derived from its ceramic resonator technology. This combination creates a timing device that is smaller and lower cost than standard quartz crystals whilst maintaining the precision of quartz.

The XRCGB series benefits from a tiny package size of just 2.0x1.6x0.7mm, comparing favorably to its quartz crystal equivalents. Murata's hybrid crystal resonators now all feature four connection pads on the base allowing for use on existing 3225 and 2520 board layouts.



Features:

- More inexpensive compared with quartz crystal units
- Based on Murata's excellent production technology, achieving small size and high performance
- Higher-precision compared with ceramic resonators
- Accommodates lead-free solder mounting
- Extremely small size: 2.0x1.6x0.7mm

Specifications:

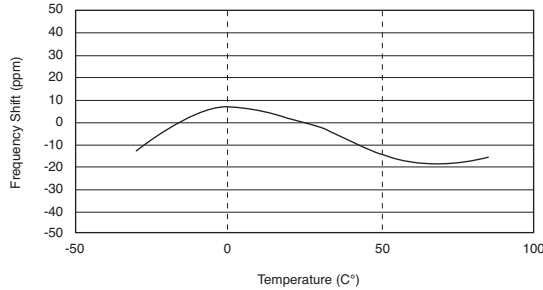
- Temperature Range: -30°C to +85°C
 - Nominal frequency: 24 to 48MHz
 - Initial Frequency deviation: ±100ppm
 - Temperature characteristics: ±50ppm
 - Load capacitance: 6pF
- *Product note: Conformal coating or washing of the component is not acceptable because it is not hermetically sealed.

Applications:

- Used for storage devices such as HDDs and ODDs
- USB2.0 High Speed specification compliant
- Audio equipment and musical instruments
- Other applications for replacement from other crystal resonators or oscillators

Dimensions: (mm)	Recommended Pad Layout: (mm)

Temperature Characteristics



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Nominal Freq. (MHz)	Tolerance (±)	Temperature Stability (±)	Price Each				Reel Qty.	Price Per Piece
					1	50	100	500		
81-XRCGB24M000FAN0R0	XRCGB24M000FAN00R0	24.0000	25	25					3000	
81-XRCGB24M000F3N0R0	XRCGB24M000F3N00R0	24.0000	30	30					3000	
81-XRCGB24M000F3M0R0	XRCGB24M000F3M00R0	24.0000	30	40					3000	
81-XRCGB24M000F0L0R0	XRCGB24M000F0L00R0	24.0000	100	50					3000	
81-XRCGB25M000FAN0R0	XRCGB25M000FAN00R0	25.0000	25	25					3000	
81-XRCGB25M000F3N0R0	XRCGB25M000F3N00R0	25.0000	30	30					3000	
81-XRCGB25M000F3M0R0	XRCGB25M000F3M00R0	25.0000	30	40					3000	
81-XRCGB25M000F0L0R0	XRCGB25M000F0L00R0	25.0000	100	50					3000	
81-XRCGB26M000FAN0R0	XRCGB26M000FAN00R0	26.0000	25	25					3000	
81-XRCGB26M000F3N0R0	XRCGB26M000F3N00R0	26.0000	30	30					3000	
81-XRCGB26M000F3M0R0	XRCGB26M000F3M00R0	26.0000	30	40					3000	
81-XRCGB26M000F0L0R0	XRCGB26M000F0L00R0	26.0000	100	50					3000	
81-XRCGB27M000FAN0R0	XRCGB27M000FAN00R0	27.0000	25	25					3000	
81-XRCGB27M000F3N0R0	XRCGB27M000F3N00R0	27.0000	30	30					3000	
81-XRCGB27M000F3M0R0	XRCGB27M000F3M00R0	27.0000	30	40					3000	
81-XRCGB27M000F0L0R0	XRCGB27M000F0L00R0	27.0000	100	50					3000	
81-XRCGB27M120F3M0R0	XRCGB27M120F3M00R0	27.1200	30	40					3000	
81-XRCGB27M120F3M1R0	XRCGB27M120F3M10R0	27.1200	30	40					3000	
81-XRCGB30M000FAN0R0	XRCGB30M000FAN00R0	30.0000	25	25					3000	
81-XRCGB30M000F3N0R0	XRCGB30M000F3N00R0	30.0000	30	30					3000	
81-XRCGB30M000F3M0R0	XRCGB30M000F3M00R0	30.0000	30	40					3000	
81-XRCGB30M000F0L0R0	XRCGB30M000F0L00R0	30.0000	100	50					3000	
81-XRCGB33M868F0L0R0	XRCGB33M868F0L00R0	33.8688	100	50					3000	
81-XRCGB40M000F4M0R0	XRCGB40M000F4M00R0	40.0000	45	40					3000	
81-XRCGB40M000F0L0R0	XRCGB40M000F0L00R0	40.0000	100	50					3000	
81-XRCGB48M000F4M0R0	XRCGB48M000F4M00R0	48.0000	45	40					3000	
81-XRCGB48M000F0L0R0	XRCGB48M000F0L00R0	48.0000	100	50					3000	

AA SERIES 5.0 X 3.2MM GLASS SEALING CRYSTALS

- Features:**
- Compact glass sealed SMD crystal units.
 - Wide operating temperature range.
 - Superior and reliable performance in harsh environment.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Fig.	Freq.	Price Each			
				1	10	50	100
717-AA-8.000MALV-T	AA-8.000MALV-T	A	8.00000				
717-AA-10.000MAGY-T	AA-10.000MAGY-T	A	10.00000				
717-AA-12.000MAGE-T	AA-12.000MAGE-T	A	12.00000				
717-AA-13.560MAGE-T	AA-13.560MAGE-T	A	13.56000				
717-AA-14.31818MAGDT	AA-14.31818MAGD-T	A	14.31818				
717-AA-16.000MALE-T	AA-16.000MALE-T	A	16.00000				
717-AA-20.000MAGE-T	AA-20.000MAGE-T	A	20.00000				
717-AA-25.000MALE-T	AA-25.000MALE-T	A	25.00000				
717-AA-27.000MAGK-T	AA-27.000MAGK-T	A	27.00000				
717-AA-48.000MAGE-T	AA-48.000MAGE-T	A	48.00000				

AB SERIES 5.0 X 3.2MM SEAM SEALING CRYSTALS

- Features:**
- Reliable seam sealed ceramic package.
 - Wide operating temperature range.
 - Superior and reliable performance in harsh environment.
 - Application: TPMS, ECM, ABS and sensor modules.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Fig.	Freq.	Price Each			
				1	10	50	100
717-AB-10.000MALE-T	AB-10.000MALE-T	B	10.0000				
717-AB-11.0592MAGQ-T	AB-11.0592MAGQ-T	B	11.0592				
717-AB-12.000MALE-T	AB-12.000MALE-T	B	12.0000				
717-AB-15.360MAGE-T	AB-15.360MAGE-T	B	15.3600				
717-AB-16.000MAGE-T	AB-16.000MAGE-T	B	16.0000				
717-AB-18.432MAGE-T	AB-18.432MAGE-T	B	18.4320				
717-AB-20.000MAGE-T	AB-20.000MAGE-T	B	20.0000				
717-AB-24.000MAGE-T	AB-24.000MAGE-T	B	24.0000				
717-AB-24.576MAGQ-T	AB-24.576MAGQ-T	B	24.5760				
717-AB-25.000MAGE-T	AB-25.000MAGE-T	B	25.0000				
717-AB-26.000MAGE-T	AB-26.000MAGE-T	B	26.0000				
717-AB-27.000MAGE-T	AB-27.000MAGE-T	B	27.0000				

AC SERIES 5.0 X 3.2MM CMOS OUTPUT

- Features:**
- Ultra small SMD seam sealed clock crystal oscillator units.
 - High precision characteristic covering up to high frequency range.
 - Designed for automatic mounting and reflow soldering.
 - Optionable stand-by function for output: Tri-state output.
 - Supply voltage range : 1.8 V- 3.3 V.
 - High stability, low jitter, low power consumption.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Fig.	Freq.	Price Each			
				1	10	50	100
717-AC-3.6864MBE-T	AC-3.6864MBE-T	C	3.6864				
717-AC-4.000MAE-T	AC-4.000MAE-T	C	4.0000				
717-AC-13.500MCE-T	AC-13.500MCE-T	C	13.5000				
717-AC-27.000MBE-T	AC-27.000MBE-T	C	27.0000				
717-AC-33.333MBE-T	AC-33.333MBE-T	C	33.3330				
717-AC-40.000MDE-T	AC-40.000MDE-T	C	40.0000				
717-AC-48.000MBE-T	AC-48.000MBE-T	C	48.0000				
717-AC-50.000MBE-T	AC-50.000MBE-T	C	50.0000				

ACZ SERIES 5.0 X 3.2MM CMOS OUTPUT

- Features:**
- Ultra small SMD seam sealed clock crystal oscillator units.
 - High precision characteristic
 - Designed for automatic mounting and reflow soldering.
 - Optionable stand-by function for output: Tri-state output.
 - Supply voltage range : 1.8 V ~ 3.3 V.
 - High stability, low jitter, low power consumption.

For quantities greater than listed, call for quote.

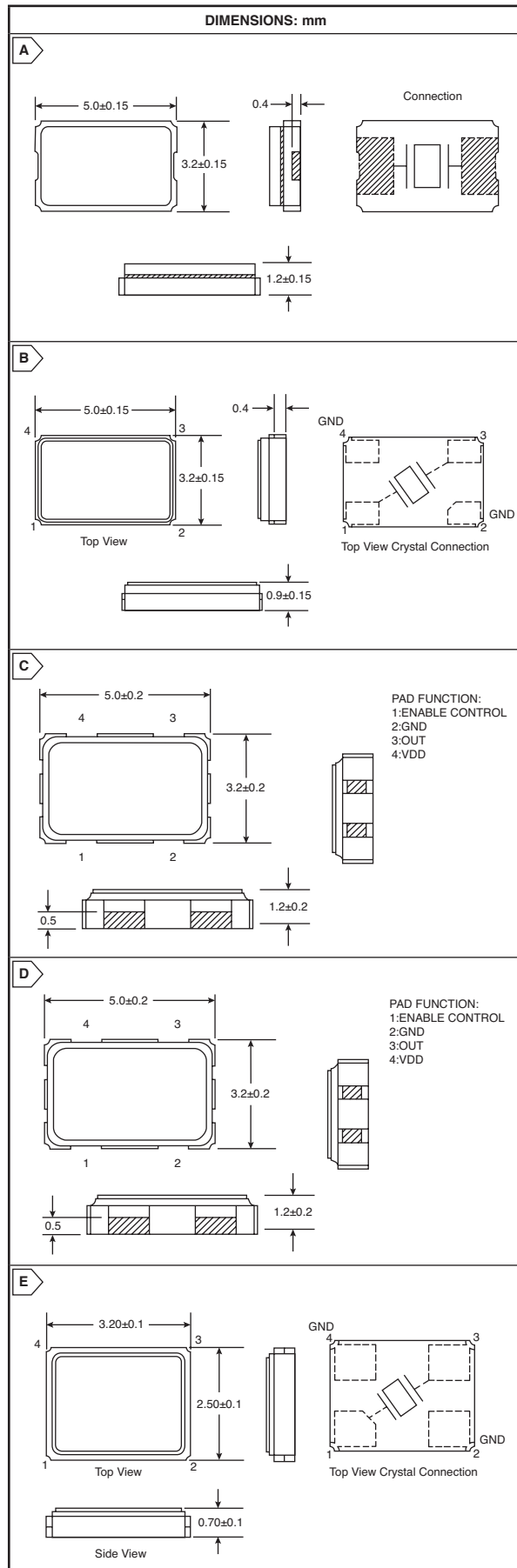
MOUSER STOCK NO.	TXC Part No.	Fig.	Freq.	Price Each			
				1	10	50	100
717-ACZ-32.768KBE-T	ACZ-32.768KBE-T	D	32.768				

AM SERIES 3.2 X 2.5MM SEAM SEALING CRYSTALS

- Features:**
- Reliable seam sealed ceramic package.
 - Wide operating temperature range.
 - Superior performance and stringent reliability in harsh environment.
 - Application: TPMS, ECM, ABS and sensor modules.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Fig.	Freq.	Price Each			
				1	10	50	100
717-AM-11.2896MAGQ-T	AM-11.2896MAGQ-T	E	11.28960				
717-AM-12.000MAGE-T	AM-12.000MAGE-T	E	12.00000				
717-AM-13.560MAGE-T	AM-13.560MAGE-T	E	13.56000				
717-AM-14.31818MAGQT	AM-14.31818MAGQ-T	E	14.31818				
717-AM-16.000MAGE-T	AM-16.000MAGE-T	E	16.00000				
717-AM-18.432MAGQ-T	AM-18.432MAGQ-T	E	18.43200				
717-AM-20.000MAGE-T	AM-20.000MAGE-T	E	20.00000				
717-AM-24.000MAGE-T	AM-24.000MAGE-T	E	24.00000				
717-AM-24.576MAGE-T	AM-24.576MAGE-T	E	24.57600				
717-AM-26.000MAGE-T	AM-26.000MAGE-T	E	26.00000				
717-AM-27.000MAGE-T	AM-27.000MAGE-T	E	27.00000				
717-AM-28.224MAGQ-T	AM-28.224MAGQ-T	E	28.22400				
717-AM-30.000MAGE-T	AM-30.000MAGE-T	E	30.00000				
717-AM-40.000MAGE-T	AM-40.000MAGE-T	E	40.00000				
717-AM-48.000MAGE-T	AM-48.000MAGE-T	E	48.00000				



AS SERIES METAL CAN TYPE

Features:

- Wide operating temperature range.
- Superior and reliable performance in harsh environment.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Fig.	Freq.	Price Each			
				1	10	50	100
717-AS-3.579545MAHEB	AS-3.579545MAHE-B	A	3.57955				
717-AS-4.194304MAHEB	AS-4.194304MAHE-B	A	4.19430				
717-AS-14.31818MAHIB	AS-14.31818MAHI-B	A	14.31818				
717-AS-16.000MAHK-B	AS-16.000MAHK-B	A	16.00000				
717-AS-16.9344MAHH-B	AS-16.9344MAHH-B	A	16.93440				
717-AS-28.63636MAHEB	AS-28.63636MAHE-B	A	28.63636				

AT SERIES SMD METAL CAN TYPE

Features:

- Surface-mount type crystal units.
- Wide operating temperature range.
- Superior and reliable performance in harsh environment.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Fig.	Freq.	Price Each			
				1	10	50	100
717-AT-3.6864MAGE-T	AT-3.6864MAGE-T	B	3.6864				
717-AT-4.000MAGE-T	AT-4.000MAGE-T	B	4.0000				
717-AT-8.000MAGK-T	AT-8.000MAGK-T	B	8.0000				
717-AT-10.000MAGI-T	AT-10.000MAGI-T	B	10.0000				
717-AT-11.0592MAGK-T	AT-11.0592MAGK-T	B	11.0592				
717-AT-11.2896MAGK-T	AT-11.2896MAGK-T	B	11.2896				
717-AT-12.000MAGK-T	AT-12.000MAGK-T	B	12.0000				
717-AT-12.288MAGE-T	AT-12.288MAGE-T	B	12.2880				
717-AT-13.560MAGE-T	AT-13.560MAGE-T	B	13.5600				
717-AT-18.432MAGQ-T	AT-18.432MAGQ-T	B	18.4320				
717-AT-20.000MAGE-T	AT-20.000MAGE-T	B	20.0000				
717-AT-24.000MAGE-T	AT-24.000MAGE-T	B	24.0000				
717-AT-24.576MAGK-T	AT-24.576MAGK-T	B	24.5760				
717-AT-27.000MAGK-T	AT-27.000MAGK-T	B	27.0000				

AU SERIES 3.2 X 2.5 CMOS OUTPUT

Features:

- Ultra Small SMD seam sealed clock crystal oscillator units.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Fig.	Freq.	Price Each			
				1	10	50	100
717-AU-12.000MBE-T	AU-12.000MBE-T	C	12.00000				
717-AU-12.288MBE-T	AU-12.288MBE-T	C	12.28800				
717-AU-13.500MBE-T	AU-13.500MBE-T	C	13.50000				
717-AU-14.31818MBE-T	AU-14.31818MBE-T	C	14.31818				
717-AU-14.7456MBE-T	AU-14.7456MBE-T	C	14.74560				
717-AU-24.000MBE-T	AU-24.000MBE-T	C	24.00000				
717-AU-25.000MBE-T	AU-25.000MBE-T	C	25.00000				
717-AU-26.000MBE-T	AU-26.000MBE-T	C	26.00000				
717-AU-27.000MBE-T	AU-27.000MBE-T	C	27.00000				
717-AU-28.63636MBE-T	AU-28.63636MBE-T	C	28.63636				
717-AU-33.000MBE-T	AU-33.000MBE-T	C	33.00000				
717-AU-40.000MDE-T	AU-40.000MDE-T	C	40.00000				
717-AU-48.000MBE-T	AU-48.000MBE-T	C	48.00000				
717-AU-50.000MBE-T	AU-50.000MBE-T	C	50.00000				

AUZ SERIES 3.2 X 2.5MM CMOS OUTPUT

Features:

- Ultra small SMD seam sealed clock crystal oscillator units.

For quantities greater than listed, call for quote.

717-AUZ-32.768KBE-T	AUZ-32.768KBE-T	D	32.768				
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AV SERIES 3.2 X 2.5MM GLASS SEALING CRYSTALS

Features:

- 4 pads SMD glass sealed crystal.
- Applications in wireless communication, DSC and USB interface card.
- Excellent heat resistance and environmental characteristics.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Fig.	Freq.	Price Each			
				1	10	50	100
717-AV-13.560MAGE-T	AV-13.560MAGE-T	E	13.56000				
717-AV-14.31818MAGV-T	AV-14.31818MAGV-T	E	14.31818				
717-AV-24.000MAGV-T	AV-24.000MAGV-T	E	24.00000				
717-AV-24.576MAGV-T	AV-24.576MAGV-T	E	24.57600				
717-AV-26.000MAGV-T	AV-26.000MAGV-T	E	26.00000				
717-AV-27.000MAGE-T	AV-27.000MAGE-T	E	27.00000				
717-AV-28.63636MAGV-T	AV-28.63636MAGV-T	E	28.63636				
717-AV-30.000MAGJ-T	AV-30.000MAGJ-T	E	30.00000				
717-AV-33.333MAGV-T	AV-33.333MAGV-T	E	33.33300				

AW SERIES 2.5 X 2.0MM CMOS OUTPUT

Features:

- Ultra Small SMD seam sealed clock crystal oscillator units.
- Tri-state function available.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Fig.	Freq.	Price Each			
				1	10	50	100
717-AW-11.2896MBE-T	AW-11.2896MBE-T	F	11.28960				
717-AW-20.000MCE-T	AW-20.000MCE-T	F	20.00000				
717-AW-26.000MBE-T	AW-26.000MBE-T	F	26.00000				

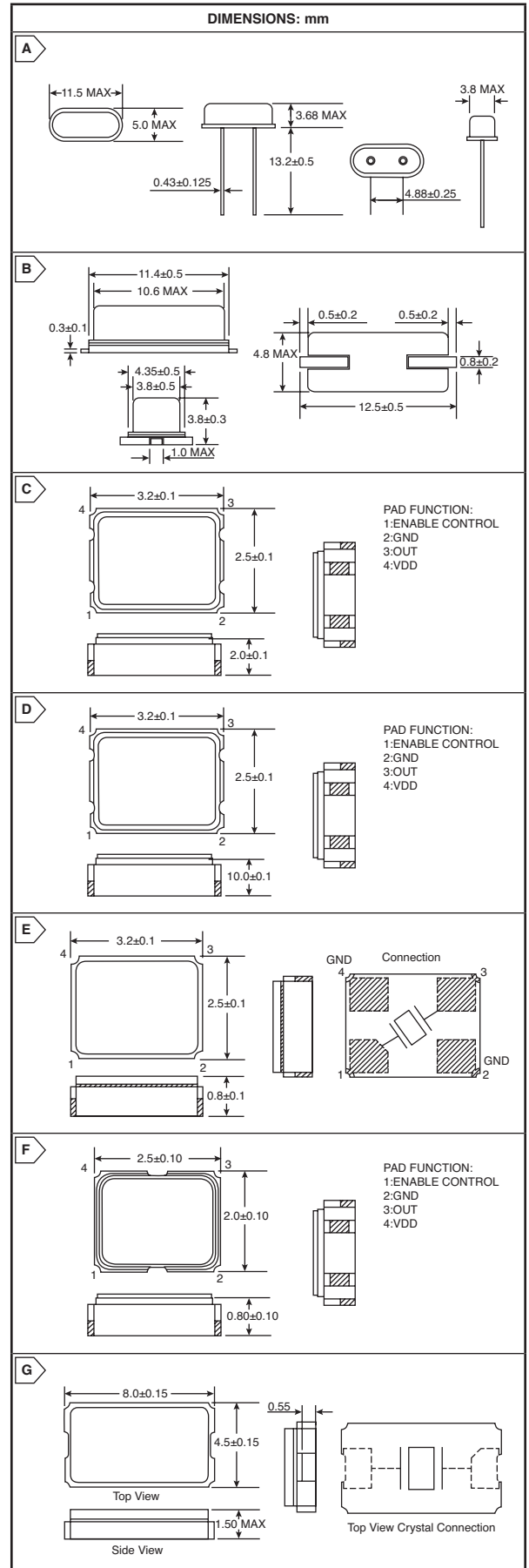
AX SERIES 8.0 X 4.5MM GLASS SEALING CRYSTALS

Features:

- Reliable glass sealed ceramic package.
- Wide operating temperature range.
- Superior and reliable performance in harsh environment.
- Application : TPMS, ECM, ABS and sensor modules.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Fig.	Freq.	Price Each			
				1	10	50	100
717-AX-10.000MALV-T	AX-10.000MALV-T	G	10.00000				
717-AX-12.000MAGV-T	AX-12.000MAGV-T	G	12.00000				
717-AX-13.560MALE-T	AX-13.560MALE-T	G	13.56000				
717-AX-16.000MAGV-T	AX-16.000MAGV-T	G	16.00000				
717-AX-16.9344MAGV-T	AX-16.9344MAGV-T	G	16.93440				
717-AX-20.000MAGE-T	AX-20.000MAGE-T	G	20.00000				
717-AX-24.576MAGV-T	AX-24.576MAGV-T	G	24.57600				
717-AX-33.333MAGQ-T	AX-33.333MAGQ-T	G	33.33300				



TXC SMD CMOS CXO Oscillators



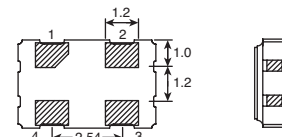
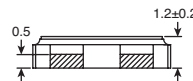
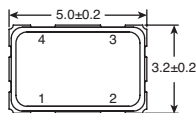
This product is RoHS compliant.



7C SERIES 5 X 3.2MM

Features:

- Operating Temperature Range: -10°C to 70°C
- Ultra small SMD seam sealed clock crystal oscillator units
- Designed for automatic mounting and reflow soldering
- Optional stand-by function for output: Tri-state output
- High stability, low jitter, low power consumption
- High precision characteristic covering up to wide frequency range



Applications:

- Wireless communication set, PDA and DSC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Freq. (MHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
2.5 Volts						
717-7C-20.000MCB-T	7C-20.000MCB-T	20.000				
717-7C-25.000MCB-T	7C-25.000MCB-T	25.000				
717-7C-40.000MCB-T	7C-40.000MCB-T	40.000				
3.3 Volts						
717-7C-16.000MBA-T	717-7C-16.000MBA-T	16.000				
717-7C-16.000MBB-T	717-7C-16.000MBB-T	16.000				
717-7C-20.000MBA-T	717-7C-20.000MBA-T	20.000				
717-7C-20.000MBB-T	717-7C-20.000MBB-T	20.000				

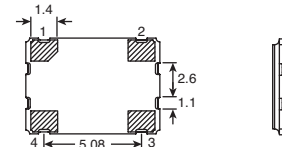
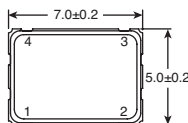
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Freq. (MHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
3.3 Volts						
717-7C-24.000MBA-T	7C-24.000MBA-T	24.000				
717-7C-24.000MBB-T	7C-24.000MBB-T	24.000				
717-7C-25.000MBA-T	7C-25.000MBA-T	25.000				
717-7C-25.000MBB-T	7C-25.000MBB-T	25.000				
717-7C-40.000MBA-T	7C-40.000MBA-T	40.000				
717-7C-40.000MBB-T	7C-40.000MBB-T	40.000				
717-7C-50.000MBA-T	7C-50.000MBA-T	50.000				
717-7C-50.000MBB-T	7C-50.000MBB-T	50.000				

7W SERIES 7 X 5MM

Features:

- Operating Temperature Range: -10°C to 70°C
- Small SMD seam sealed clock crystal oscillator units
- High stability, low jitter, low power consumption
- Designed for automatic mounting and reflow soldering
- Optional stand-by function for output: Tri-state output
- High precision characteristic covering up to wide frequency range



Applications:

- Wireless communication, PC and LCDM.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Freq. (MHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
2.5 Volts						
717-7W-1.544MBA-T	7W-1.544MBA-T	1.5440				
717-7W-1.544MBB-T	7W-1.544MBB-T	1.5440				
717-7W-1.8432MBA-T	7W-1.8432MBA-T	1.8432				
717-7W-1.8432MBB-T	7W-1.8432MBB-T	1.8432				
717-7W-3.6864MBA-T	7W-3.6864MBA-T	3.6864				
717-7W-3.6864MBB-T	7W-3.6864MBB-T	3.6864				
717-7W-4.000MBA-T	7W-4.000MBA-T	4.0000				
717-7W-4.000MBB-T	7W-4.000MBB-T	4.0000				
717-7W-7.3728MBA-T	7W-7.3728MBA-T	7.3728				
717-7W-7.3728MBB-T	7W-7.3728MBB-T	7.3728				
717-7W-8.000MBA-T	7W-8.000MBA-T	8.0000				
717-7W-8.000MBB-T	7W-8.000MBB-T	8.0000				
717-7W-10.000MBA-T	7W-10.000MBA-T	10.0000				
717-7W-10.000MBB-T	7W-10.000MBB-T	10.0000				
717-7W-12.000MBA-T	7W-12.000MBA-T	12.0000				
717-7W-12.000MBB-T	7W-12.000MBB-T	12.0000				
717-7W-12.288MBA-T	7W-12.288MBA-T	12.2880				
717-7W-12.288MBB-T	7W-12.288MBB-T	12.2880				
717-7W-14.7456MBA-T	7W-14.7456MBA-T	14.7456				
717-7W-14.7456MBB-T	7W-14.7456MBB-T	14.7456				
717-7W-16.000MBA-T	7W-16.000MBA-T	16.0000				
717-7W-16.000MBB-T	7W-16.000MBB-T	16.0000				
717-7W-18.432MBA-T	7W-18.432MBA-T	18.4320				
717-7W-18.432MBB-T	7W-18.432MBB-T	18.4320				
717-7W-20.000MBA-T	7W-20.000MBA-T	20.0000				
717-7W-20.000MBB-T	7W-20.000MBB-T	20.0000				
717-7W-24.000MBA-T	7W-24.000MBA-T	24.0000				
717-7W-24.000MBB-T	7W-24.000MBB-T	24.0000				
717-7W-24.576MBA-T	7W-24.576MBA-T	24.5760				
717-7W-24.576MBB-T	7W-24.576MBB-T	24.5760				
717-7W-25.000MBA-T	7W-25.000MBA-T	25.0000				
717-7W-25.000MBB-T	7W-25.000MBB-T	25.0000				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Freq. (MHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
3.3 Volts						
717-7W-27.000MBA-T	7W-27.000MBA-T	27.0000				
717-7W-27.000MBB-T	7W-27.000MBB-T	27.0000				
717-7W-30.000MBA-T	7W-30.000MBA-T	30.0000				
717-7W-30.000MBB-T	7W-30.000MBB-T	30.0000				
717-7W-32.000MBA-T	7W-32.000MBA-T	32.0000				
717-7W-32.000MBB-T	7W-32.000MBB-T	32.0000				
717-7W-40.000MBA-T	7W-40.000MBA-T	40.0000				
717-7W-40.000MBB-T	7W-40.000MBB-T	40.0000				
717-7W-48.000MBA-T	7W-48.000MBA-T	48.0000				
717-7W-48.000MBB-T	7W-48.000MBB-T	48.0000				
717-7W-49.152MBA-T	7W-49.152MBA-T	49.1520				
717-7W-49.152MBB-T	7W-49.152MBB-T	49.1520				
717-7W-50.000MBA-T	7W-50.000MBA-T	50.0000				
717-7W-50.000MBB-T	7W-50.000MBB-T	50.0000				
717-7W-66.6666MBA-T	7W-66.6666MBA-T	66.6666				
717-7W-66.6666MBB-T	7W-66.6666MBB-T	66.6666				
717-7W-75.000MBA-T	7W-75.000MBA-T	75.0000				
717-7W-75.000MBB-T	7W-75.000MBB-T	75.0000				
717-7W-80.000MBA-T	7W-80.000MBA-T	80.0000				
717-7W-80.000MBB-T	7W-80.000MBB-T	80.0000				
717-7W-100.000MBA-T	7W-100.000MBA-T	100.0000				
717-7W-100.000MBB-T	7W-100.000MBB-T	100.0000				
717-7W-125.000MBA-T	7W-125.000MBA-T	125.0000				
717-7W-125.000MBB-T	7W-125.000MBB-T	125.0000				
5 Volts						
717-7W-3.6864MAB-T	7W-3.6864MAB-T	3.6864				
717-7W-4.000MAB-T	7W-4.000MAB-T	4.0000				
717-7W-8.000MAB-T	7W-8.000MAB-T	8.0000				
717-7W-10.000MAB-T	7W-10.000MAB-T	10.0000				
717-7W-20.000MAB-T	7W-20.000MAB-T	20.0000				
717-7W-24.000MAB-T	7W-24.000MAB-T	24.0000				
717-7W-25.000MAB-T	7W-25.000MAB-T	25.0000				
717-7W-27.000MAB-T	7W-27.000MAB-T	27.0000				
717-7W-30.000MAB-T	7W-30.000MAB-T	30.0000				
717-7W-40.000MAB-T	7W-40.000MAB-T	40.0000				
717-7W-48.000MAB-T	7W-48.000MAB-T	48.0000				
717-7W-50.000MAB-T	7W-50.000MAB-T	50.0000				

7W SERIES 7 X 5MM

Features:

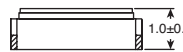
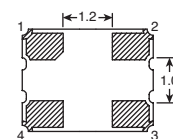
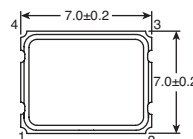
- Operating Temperature Range: -10°C to 70°C
- Tri-state function available
- Ultra small SMD seam sealed clock crystal oscillator units

Applications:

- WLAN, Bluetooth, DSC, DSL and other IT product

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Freq. (MHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
3.3 Volts						
717-7X-25.000MBA-T	7X-25.000MBA-T	25.000				
717-7X-25.000MBB-T	7X-25.000MBB-T	25.000				
717-7X-26.000MBA-T	7X-26.000MBA-T	26.000				
717-7X-26.000MBB-T	7X-26.000MBB-T	26.000				



TXC SMD, DIP and Tuning Fork Crystals



RoHS Compliant This product is RoHS compliant.



9HT10 & 9H12 SERIES SMD CRYSTALS

Features:

- 2 pads surface mount package
- High reliable environmental performance
- Application for NB, Smart Phone, variety of compact portable consumer products reference clocks

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Frequency (MHz)	Price Each			Reel Qty.	Price Per Piece
			1	10	100		
3.2 x 1.5 x 0.75, ±10ppm							
717-9HT10-32.768KEZF	9HT10-32.768KEZF-T	32.768				3000	
3.2 x 1.5 x 0.75, ±20ppm							
717-9HT10-32.768KDZF	9HT10-32.768KDZF-T	32.768				3000	
1.6 x 1.0 x 0.5, ±20ppm							
717-9HT1232.768KDZFT	9HT12-32.768KDZF-T	32.768				3000	
1.6 x 1.0 x 0.5, ±30ppm							
717-9HT1232.768KAZFT	9HT12-32.768KAZF-T	32.768				3000	



9C SERIES SMD CYRSTALS, HC-49S

Features:

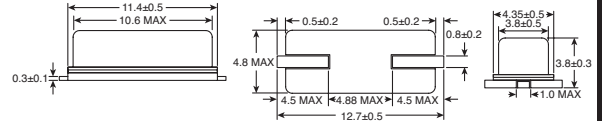
- Operating Temperature Range: -20°C to 70°C
- High frequency pullability and low equivalent series resistance.
- Highly mass production capability

Applications:

- PC
- STB
- LCDM
- Cable Modem

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Freq. (MHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
717-9C-3.6864MAAJ-T	9C-3.6864MAAJ-T	3.68640				
717-9C-4.000MAAJ-T	9C-4.000MAAJ-T	4.00000				
717-9C-4.9152MAAJ-T	9C-4.9152MAAJ-T	4.91520				
717-9C-6.000MAAJ-T	9C-6.000MAAJ-T	6.00000				
717-9C-7.3728MAAJ-T	9C-7.3728MAAJ-T	7.37280				
717-9C-8.000MEEJ-T	9C-8.000MEEJ-T	8.00000				
717-9C-8.000MAAJ-T	9C-8.000MAAJ-T	8.00000				
717-9C-8.192MEEJ-T	9C-8.192MEEJ-T	8.19200				
717-9C-8.192MAAJ-T	9C-8.192MAAJ-T	8.19200				
717-9C-10.000MEEJ-T	9C-10.000MEEJ-T	10.00000				
717-9C-10.000MAAJ-T	9C-10.000MAAJ-T	10.00000				
717-9C-11.0592MEEJ-T	9C-11.0592MEEJ-T	11.05920				
717-9C-11.0592MAAJ-T	9C-11.0592MAAJ-T	11.05920				
717-9C-12.000MEEJ-T	9C-12.000MEEJ-T	12.00000				
717-9C-12.000MAAJ-T	9C-12.000MAAJ-T	12.00000				
717-9C-12.288MEEJ-T	9C-12.288MEEJ-T	12.28800				
717-9C-12.288MAAJ-T	9C-12.288MAAJ-T	12.28800				
717-9C-13.560MEEJ-T	9C-13.560MEEJ-T	13.56000				
717-9C-13.560MAAJ-T	9C-13.560MAAJ-T	13.56000				
717-9C-14.31818MEEJT	9C-14.31818MEEJT	14.31818				
717-9C-14.31818MAAJT	9C-14.31818MAAJT	14.31818				
717-9C-14.7456MEEJ-T	9C-14.7456MEEJ-T	14.74560				



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Freq. (MHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
717-9C-14.7456MAAJ-T	9C-14.7456MAAJ-T	14.74560				
717-9C-16.000MEEJ-T	9C-16.000MEEJ-T	16.00000				
717-9C-16.000MAAJ-T	9C-16.000MAAJ-T	16.00000				
717-9C-18.432MEEJ-T	9C-18.432MEEJ-T	18.43200				
717-9C-18.432MAAJ-T	9C-18.432MAAJ-T	18.43200				
717-9C-20.000MEEJ-T	9C-20.000MEEJ-T	20.00000				
717-9C-20.000MAAJ-T	9C-20.000MAAJ-T	20.00000				
717-9C-22.1184MEEJ-T	9C-22.1184MEEJ-T	22.11840				
717-9C-22.1184MAAJ-T	9C-22.1184MAAJ-T	22.11840				
717-9C-24.000MEEJ-T	9C-24.000MEEJ-T	24.00000				
717-9C-24.000MAAJ-T	9C-24.000MAAJ-T	24.00000				
717-9C-25.000MEEJ-T	9C-25.000MEEJ-T	25.00000				
717-9C-25.000MAAJ-T	9C-25.000MAAJ-T	25.00000				
717-9C-26.000MEEJ-T	9C-26.000MEEJ-T	26.00000				
717-9C-26.000MAAJ-T	9C-26.000MAAJ-T	26.00000				
717-9C-27.000MEEJ-T	9C-27.000MEEJ-T	27.00000				
717-9C-27.000MAAJ-T	9C-27.000MAAJ-T	27.00000				
717-9C-30.000MEEJ-T	9C-30.000MEEJ-T	30.00000				
717-9C-30.000MAAJ-T	9C-30.000MAAJ-T	30.00000				
717-9C-48.000MEEJ-T	9C-48.000MEEJ-T	48.00000				
717-9C-48.000MAAJ-T	9C-48.000MAAJ-T	48.00000				

9B SERIES DIP CRYSTALS, LEADED, HC-49S

Features:

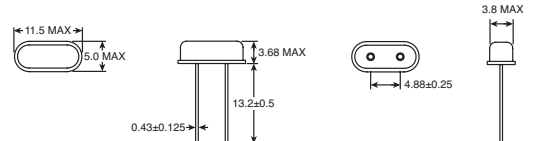
- Operating Temperature Range: -20° to 70°C
- Resistance welded type crystal units.
- High frequency pullability and low equivalent series resistance.
- Lower cost and highly mass production capability.

Applications:

- TV
- STB
- LCDM
- Cable Modem

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Freq. (MHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
717-9B-3.579545MAAJ-B	9B-3.579545MAAJ-B	3.579545				
717-9B-3.6864MAAJ-B	9B-3.6864MAAJ-B	3.686400				
717-9B-4.000MAAJ-B	9B-4.000MAAJ-B	4.000000				
717-9B-4.096MAAJ-B	9B-4.096MAAJ-B	4.096000				
717-9B-4.9152MAAJ-B	9B-4.9152MAAJ-B	4.915200				
717-9B-6.000MAAJ-B	9B-6.000MAAJ-B	6.000000				
717-9B-7.3728MAAJ-B	9B-7.3728MAAJ-B	7.372800				
717-9B-8.000MEEJ-B	9B-8.000MEEJ-B	8.000000				
717-9B-8.000MAAJ-B	9B-8.000MAAJ-B	8.000000				
717-9B-8.192MEEJ-B	9B-8.192MEEJ-B	8.192000				
717-9B-8.192MAAJ-B	9B-8.192MAAJ-B	8.192000				
717-9B-10.000MEEJ-B	9B-10.000MEEJ-B	10.000000				
717-9B-10.000MAAJ-B	9B-10.000MAAJ-B	10.000000				
717-9B-11.0592MEEJ-B	9B-11.0592MEEJ-B	11.059200				
717-9B-11.0592MAAJ-B	9B-11.0592MAAJ-B	11.059200				
717-9B-12.000MEEJ-B	9B-12.000MEEJ-B	12.000000				
717-9B-12.000MAAJ-B	9B-12.000MAAJ-B	12.000000				
717-9B-14.31818MEEJB	9B-14.31818MEEJB	14.318180				
717-9B-14.31818MAAJB	9B-14.31818MAAJB	14.318180				
717-9B-14.7456MEEJ-B	9B-14.7456MEEJ-B	14.745600				



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Freq. (MHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
717-9B-14.7456MAAJ-B	9B-14.7456MAAJ-B	14.745600				
717-9B-16.000MEEJ-B	9B-16.000MEEJ-B	16.000000				
717-9B-16.000MAAJ-B	9B-16.000MAAJ-B	16.000000				
717-9B-18.432MEEJ-B	9B-18.432MEEJ-B	18.432000				
717-9B-18.432MAAJ-B	9B-18.432MAAJ-B	18.432000				
717-9B-20.000MEEJ-B	9B-20.000MEEJ-B	20.000000				
717-9B-20.000MAAJ-B	9B-20.000MAAJ-B	20.000000				
717-9B-22.1184MEEJ-B	9B-22.1184MEEJ-B	22.118400				
717-9B-22.1184MAAJ-B	9B-22.1184MAAJ-B	22.118400				
717-9B-24.000MEEJ-B	9B-24.000MEEJ-B	24.000000				
717-9B-24.000MAAJ-B	9B-24.000MAAJ-B	24.000000				
717-9B-24.576MEEJ-B	9B-24.576MEEJ-B	24.576000				
717-9B-24.576MAAJ-B	9B-24.576MAAJ-B	24.576000				
717-9B-25.000MEEJ-B	9B-25.000MEEJ-B	25.000000				
717-9B-25.000MAAJ-B	9B-25.000MAAJ-B	25.000000				
717-9B-27.000MEEJ-B	9B-27.000MEEJ-B	27.000000				
717-9B-27.000MAAJ-B	9B-27.000MAAJ-B	27.000000				
717-9B-48.000MEEJ-B	9B-48.000MEEJ-B	48.000000				
717-9B-48.000MAAJ-B	9B-48.000MAAJ-B	48.000000				

9HT11 SERIES SMD TUNING FORK CRYSTALS

Features:

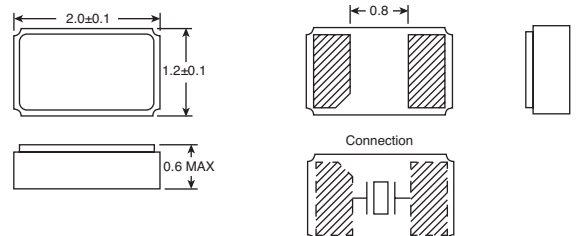
- Operating Temperature Range: -40°C to 85°C
- Frequency Tolerance: ±20ppm
- Load Capacitance: 12.5pF
- Ceramic surface mount package.

Applications:

- Mobile phone
- Notebook
- DSC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Freq. (MHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
717-9HT11-32.7KDZC-T	9HT11-32.7KDZC-T	32.768				
717-9HT11-32.7KDZF-T	9HT11-32.7KDZF-T	32.768				



TXC SMD Seam and Glass Crystals

RoHS compliant This product is RoHS compliant.



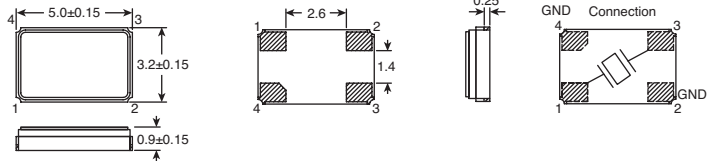
7B SERIES SMD SEAM CRYSTAL 5 X 3.2MM

Features:

- Operating Temperature Range: -20°C to 70°C
- Ultra small SMD type crystal units
- High precision characteristics covering up to wide frequency range.
- Higher frequency stability and reliability
- Excellent for reducing EMI effect

Applications:

- Bluetooth
- Wireless communication set
- DSC
- PDA
- Mobile phone
- USB interface card



For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Freq. (KHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
717-7B-12.000MEEQ-T	7B-12.000MEEQ-T	12.00000				
717-7B-12.000MAAJ-T	7B-12.000MAAJ-T	12.00000				
717-7B-13.560MAAJ-T	7B-13.560MAAJ-T	13.56000				
717-7B-14.31818MEEQT	7B-14.31818MEEQT	14.31818				
717-7B-14.31818MAAJT	7B-14.31818MAAJT	14.31818				
717-7B-14.7456MEEQ-T	7B-14.7456MEEQ-T	14.74560				
717-7B-14.7456MAAJ-T	7B-14.7456MAAJ-T	14.74560				
717-7B-16.000MEEQ-T	7B-16.000MEEQ-T	16.00000				
717-7B-16.000MAAJ-T	7B-16.000MAAJ-T	16.00000				
717-7B-18.432MEEQ-T	7B-18.432MEEQ-T	18.43200				
717-7B-18.432MAAJ-T	7B-18.432MAAJ-T	18.43200				
717-7B-18.432MAAJ-T	7B-18.432MAAJ-T	18.43200				
717-7B-20.000MEEQ-T	7B-20.000MEEQ-T	20.00000				
717-7B-20.000MAAJ-T	7B-20.000MAAJ-T	20.00000				
717-7B-24.000MAAJ-T	7B-24.000MAAJ-T	24.00000				

MOUSER STOCK NO.	TXC Part No.	Freq. (KHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
717-7B-24.576MEEQ-T	7B-24.576MEEQ-T	24.57600				
717-7B-24.576MAAJ-T	7B-24.576MAAJ-T	24.57600				
717-7B-25.000MEEQ-T	7B-25.000MEEQ-T	25.00000				
717-7B-25.000MAAJ-T	7B-25.000MAAJ-T	25.00000				
717-7B-26.000MEEQ-T	7B-26.000MEEQ-T	26.00000				
717-7B-26.000MAAJ-T	7B-26.000MAAJ-T	26.00000				
717-7B-27.000MAAJ-T	7B-27.000MAAJ-T	27.00000				
717-7B-30.000MEEQ-T	7B-30.000MEEQ-T	30.00000				
717-7B-30.000MAAJ-T	7B-30.000MAAJ-T	30.00000				
717-7B-32.000MEEQ-T	7B-32.000MEEQ-T	32.00000				
717-7B-32.000MAAJ-T	7B-32.000MAAJ-T	32.00000				
717-7B-40.000MEEQ-T	7B-40.000MEEQ-T	40.00000				
717-7B-40.000MAAJ-T	7B-40.000MAAJ-T	40.00000				
717-7B-48.000MEEQ-T	7B-48.000MEEQ-T	48.00000				
717-7B-48.000MAAJ-T	7B-48.000MAAJ-T	48.00000				

Frequency Control

TXC

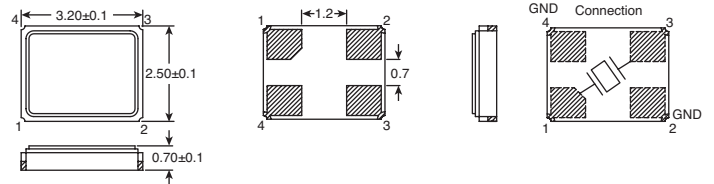
7M SERIES SMD SEAM CRYSTAL 3.2 X 2.5MM

Features:

- Operating Temperature Range: -20°C to 70°C
- Extremely small SMD type crystal units
- High precision and high frequency stability
- Extremely good for reducing EMI effect

Applications:

- Bluetooth
- Wireless communication set
- DSC
- PDA
- Mobile phone



For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TXC Part No.	Freq. (KHz)	Price Each			Price Per Reel of 1000 ea.
			1	50	100	
717-7M-12.000MEEQ-T	7M-12.000MEEQ-T	12.000				
717-7M-12.000MAAJ-T	7M-12.000MAAJ-T	12.000				
717-7M-16.000MEEQ-T	7M-16.000MEEQ-T	16.000				
717-7M-16.000MAAJ-T	7M-16.000MAAJ-T	16.000				
717-7M-18.432MEEQ-T	7M-18.432MEEQ-T	18.432				
717-7M-18.432MAAJ-T	7M-18.432MAAJ-T	18.432				
717-7M-20.000MEEQ-T	7M-20.000MEEQ-T	20.000				
717-7M-20.000MAAJ-T	7M-20.000MAAJ-T	20.000				
717-7M-24.000MEEQ-T	7M-24.000MEEQ-T	24.000				

MOUSER STOCK NO.	TXC Part No.	Freq. (KHz)	Price Each			Price Per Reel of 1000 ea.
			1	50	100	
717-7M-24.000MAAJ-T	7M-24.000MAAJ-T	24.000				
717-7M-25.000MEEQ-T	7M-25.000MEEQ-T	25.000				
717-7M-25.000MAAJ-T	7M-25.000MAAJ-T	25.000				
717-7M-26.000MEEQ-T	7M-26.000MEEQ-T	26.000				
717-7M-26.000MAAJ-T	7M-26.000MAAJ-T	26.000				
717-7M-27.000MEEQ-T	7M-27.000MEEQ-T	27.000				
717-7M-27.000MAAJ-T	7M-27.000MAAJ-T	27.000				
717-7M-48.000MEEQ-T	7M-48.000MEEQ-T	48.000				
717-7M-48.000MAAJ-T	7M-48.000MAAJ-T	48.000				

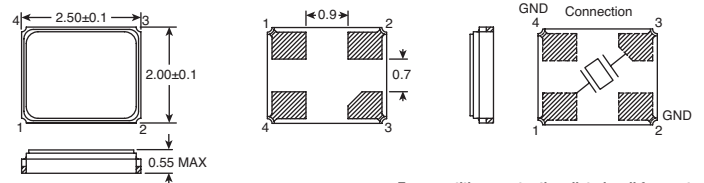
8Z SERIES SMD SEAM CRYSTAL 2.5 X 2MM

Features:

- Operating Temperature Range: -20°C to 70°C
- High precision and high frequency stability
- Excellent heat resistance and environmental characteristics

Applications:

- PDA
- DSC
- DVC
- PC



For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

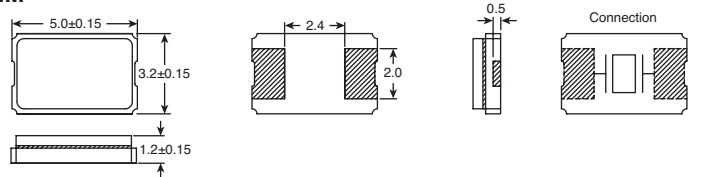
MOUSER STOCK NO.	TXC Part No.	Freq. (KHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
717-8Z-16.000MEEQ-T	8Z-16.000MEEQ-T	16.000				
717-8Z-16.000MAAJ-T	8Z-16.000MAAJ-T	16.000				

MOUSER STOCK NO.	TXC Part No.	Freq. (KHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
717-8Z-25.000MEEQ-T	8Z-25.000MEEQ-T	25.000				
717-8Z-25.000MAAJ-T	8Z-25.000MAAJ-T	25.000				

7A SERIES 2 PADS SMD GLASS SEALED CRYSTALS 5 X 3.2MM

Features:

- Operating Temperature Range: -20°C to 70°C
- High reliable environmental performance
- Tight tolerance and stability parts are available
- Designed for automatic mounting and reflow soldering
- Reasonable cost and good delivery performance
- Contains Pb in sealing glass exempted by RoHS directive



For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

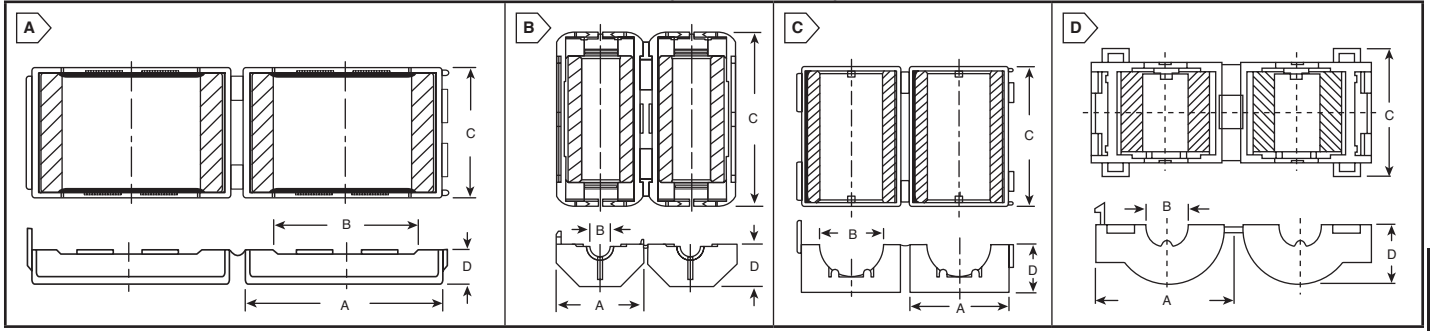
MOUSER STOCK NO.	TXC Part No.	Freq. (MHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
717-7A-10.000MAAJ-T	7A-10.000MAAJ-T	10.000				
717-7A-13.560MAAJ-T	7A-13.560MAAJ-T	13.560				
717-7A-14.31818MAAJT	7A-14.31818MAAJT	14.31818				
717-7A-14.7456MAAJ-T	7A-14.7456MAAJ-T	14.7456				
717-7A-16.000MAAJ-T	7A-16.000MAAJ-T	16.000				
717-7A-18.432MAAJ-T	7A-18.432MAAJ-T	18.432				

MOUSER STOCK NO.	TXC Part No.	Freq. (MHz)	Price Each			Price Per Reel of 1000 ea.
			1	10	100	
717-7A-20.000MAAJ-T	7A-20.000MAAJ-T	20.000				
717-7A-24.000MAAJ-T	7A-24.000MAAJ-T	24.000				
717-7A-24.576MAAJ-T	7A-24.576MAAJ-T	24.576				
717-7A-25.000MAAJ-T	7A-25.000MAAJ-T	25.000				
717-7A-27.000MAAJ-T	7A-27.000MAAJ-T	27.000				
717-7A-48.000MAAJ-T	7A-48.000MAAJ-T	48.000				

FAIR-RITE EMI Suppression Ferrite Cores



RoHS Compliant. This product is RoHS compliant.



Fair-Rite Products Corp. EMI SUPPRESSION CORES WITH CASES



DIMENSIONS: in.

Flat Cable Cores with Cases

- Case material: Polypropylene
- Flammability rating: UL94-V0

RoHS Compliant

For quantities greater than listed, call for quote.

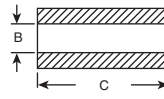
MOUSER STOCK NO.	Fair-Rite Part No.	Fig.	Typ. Imp. (Ω) @ 100MHz	Typ. Imp. (Ω) @ 10MHz	Dimensions: in.				Price Each		
					A	B	C	D	1	10	50
623-0443166651	0443166651	A	225	---	1.950	1.350	1.272	.320			
623-0443163951	0443163951	A	235	35	2.670	2.050	1.272	.320			
623-0443164051	0443164051	A	215	---	3.180	2.570	1.272	.320			

Round Cable Cores with Cases

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fair-Rite Part No.	Fig.	Typ. Imp. (Ω) @ 10MHz	Typ. Imp. (Ω) @ 25MHz	Typ. Imp. (Ω) @ 100MHz	Typ. Imp. (Ω) @ 250MHz	Typ. Imp. (Ω) @ 500MHz	Dimensions: in.				Price Each			
								A	B	C	D	1	10	50	
Material 31															
623-0431164181	0431164181	B	100	156	260	---	---	1.220	0.512	1.550	0.600				
623-0431164281	0431164281	B	113	188	310	---	---	0.788	0.260	1.550	0.385				
623-0431164951	0431164951	B	100	169	280	---	---	0.680	0.200	1.420	0.331				
623-0431167281	0431167281	B	81	144	240	---	---	0.933	0.400	1.550	0.460				
623-0431173951	0431173951	B	60	100	180	---	---	0.504	0.200	0.984	0.220				
623-0431176451	0431176451	B	130	225	380	---	---	1.520	0.722	1.870	0.754				
623-0431177081	0431177081	B	145	235	375	---	---	2.220	1.000	1.690	1.080				
Material 43															
623-0443164151	0443164151	C	---	156	250	---	---	1.142	0.528	1.280	0.583				
623-0443164251	0443164251	C	---	163	275	---	---	0.705	0.275	1.272	0.362				
623-0443167251	0443167251	C	---	138	225	---	---	0.870	0.402	1.272	0.433				
623-0443625006	0443625006	D	---	50	113	---	---	0.972	0.311	0.898	0.402				
623-0443665806	0443665806	D	---	41	88	---	---	1.035	0.362	0.843	0.433				
623-0443800506	0443800506	D	---	35	75	---	---	1.169	0.504	0.811	0.500				
623-0443806406	0443806406	D	---	43	90	---	---	1.350	0.591	0.835	0.591				
Material 44															
623-0444164181	0444164181	B	---	138	230	---	---	1.220	0.512	1.550	0.600				
623-0444164281	0444164281	B	---	156	260	---	---	0.788	0.260	1.550	0.385				
623-0444167281	0444167281	B	---	125	210	---	---	0.933	0.400	1.550	0.461				
623-0444173951	0444173951	B	---	94	150	---	---	0.504	0.200	0.984	0.220				
623-0444176451	0444176451	B	---	175	365	---	---	1.520	0.722	1.870	0.754				
623-0444177081	0444177081	B	---	195	340	---	---	2.220	1.000	1.690	1.080				
Material 61															
623-0461164181	0461164181	B	---	---	206	334	475	1.220	0.512	1.550	0.600				
623-0461164281	0461164281	B	---	---	269	395	430	0.788	0.260	1.550	0.385				
623-0461167281	0461167281	B	---	---	195	315	450	0.933	0.400	1.550	0.461				

Fair-Rite Products Corp. EMI SUPPRESSION CORES



Recommended suppression materials of unwanted signals between 10MHz and 1000MHz

RoHS Compliant

For quantities greater than listed, call for quote.

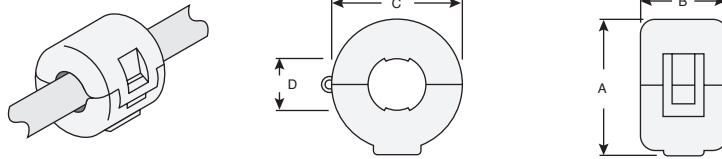
MOUSER STOCK NO.	Fair-Rite Part No.	Typ. Imp. (Ω) @ 10MHz	Typ. Imp. (Ω) @ 25MHz	Typ. Imp. (Ω) @ 100MHz	Typ. Imp. (Ω) @ 250MHz	Typ. Imp. (Ω) @ 1000MHz	Dimensions: in.			Price Each						
							A	B	C	1	100	500	1000			
Material 31																
623-2631102002	2631102002	103	156	260	---	---	1.020	0.505	1.125							
623-2631480002	2631480002	115	175	295	---	---	0.485	0.200	1.000							
623-2631480102	2631480102	58	88	140	---	---	0.485	0.200	0.500							
623-2631540002	2631540002	119	181	300	---	---	0.562	0.250	1.125							
623-2631665702	2631665702	89	138	225	---	---	0.687	0.375	1.125							
Material 43																
623-2643102002	2643102002	---	145	235	---	---	1.020	0.505	1.125							
623-2643480002	2643480002	---	165	236	---	---	0.485	0.200	1.000							
623-2643540002	2643540002	---	171	250	---	---	0.562	0.250	1.125							
623-2643625002	2643625002	---	70	113	---	---	0.625	0.312	0.562							
623-2643625202	2643625202	---	235	384	---	---	0.625	0.312	2.000							
623-2643626402	2643626402	---	128	196	---	---	0.735	0.400	1.125							
623-2643665702	2643665702	---	125	200	---	---	0.687	0.375	1.125							
623-2643665802	2643665802	---	55	88	---	---	0.687	0.375	0.500							
623-2643800502	2643800502	---	45	82	---	---	0.825	0.520	0.468							
623-2643801002	2643801002	---	28	47	---	---	1.142	0.748	0.295							
623-2643802702	2643802702	---	48	80	---	---	1.400	0.900	0.500							
623-2643803802	2643803802	---	58	108	---	---	2.400	1.400	0.500							
Material 61																
623-2661102002	2661102002	---	---	225	310	275	1.020	0.505	1.125							
623-2661540002	2661540002	---	---	250	310	260	0.562	0.250	1.125							

FERRISHIELD Ferrite RFI Suppressors

RoHS Compliant **This product is RoHS compliant.**

Anywhere there is an antenna-like structure such as a power cord or I/O cable, in the presence of a microprocessor, there is a need for RFI suppressors to control unwanted high frequency interference. The selection below is an assortment of the most popular sizes in the most universally applicable broadband formula – effective up to 1GHz by allowing data signals to pass unimpeded and absorbing the high frequency energy.

SPLIT CABLE SNAP FERRITES



RoHS Compliant

For Round Cables up to 0.96" Diameter

For quantities greater than listed, call for quote.

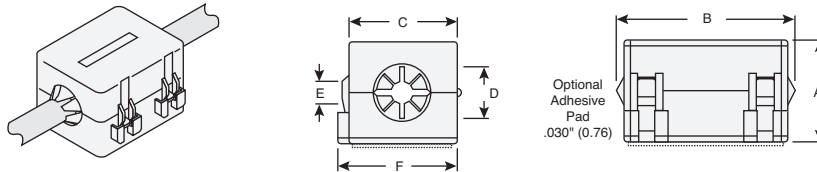
MOUSER STOCK NO.	FerriShield Part No.	Dimensions: in. (mm)				Impedance (Ω)	Price Each		
		A	B	C	D		1	10	20
861-CS28B1642	CS28B1642	0.852 (21.6)	0.885 (22.5)	0.840 (21.3)	0.282 (7.2)	100@100MHz			
861-CS28B1805	CS28B1805	1.040 (26.4)	0.667 (16.9)	1.025 (26.4)	0.340 (8.6)	73@100MHz			
861-CS28B1937	CS28B1937	1.182 (30.0)	0.780 (19.8)	1.188 (30.2)	0.425 (10.8)	117@100MHz			
861-CS28B1984	CS28B1984	1.218 (30.9)	0.705 (17.9)	1.220 (31.0)	0.525 (13.3)	62@100MHz			
861-CS28B1500	CS28B1500	1.725 (43.8)	1.232 (31.3)	1.720 (43.7)	0.960 (24.4)	133@100MHz			

High Frequency (700MHz) - For Round Cables up to 1.96" Diameter

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: in. (mm)				Impedance (Ω)	Price Each		
		A	B	C	D		1	10	20
861-CS25B1642	CS25B1642	0.852 (21.6)	0.885 (22.5)	0.840 (21.3)	0.282 (7.2)	290@700MHz			
861-CS25B1937	CS25B1937	1.182 (30.0)	0.780 (19.8)	1.188 (30.2)	0.425 (10.8)	305@700MHz			
861-CS25B2000	CS25B2000	2.350 (59.7)	1.851 (47.0)	2.309 (58.6)	0.960 (24.4)	890@700MHz			
861-CS25B4000	CS25B4000	4.500 (114.2)	1.851 (47.0)	4.687 (110.0)	1.960 (49.8)	590@700MHz			

SPLIT SLEEVE SNAP FERRITES



RoHS Compliant

With Variable Diameter Opening - For Round Cables up to 0.79" Diameter

For optional adhesive pad replace "SS" in part number with "AS".

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: in. (mm)						Impedance (Ω)	Price Each		
		A	B	C	D	E	F		1	10	20
861-SS28B2031	SS28B2031	0.700 (23.8)	1.255 (31.9)	0.675 (17.1)	0.230 (5.8)	0.180 (4.7)	0.768 (19.5)	200@100MHz			
861-SS28B2034	SS28B2034	0.585 (14.9)	1.250 (31.8)	0.585 (14.9)	0.250 (6.4)	0.120 (3.0)	0.680 (17.3)	220@100MHz			
861-SS28B2037	SS28B2037	0.790 (20.1)	1.450 (36.8)	0.770 (19.6)	0.350 (8.8)	0.200 (5.1)	0.885 (22.5)	200@100MHz			
861-SS28B2042	SS28B2042	0.965 (24.5)	1.480 (37.6)	0.930 (23.6)	0.425 (10.8)	0.170 (4.3)	1.035 (26.3)	238@100MHz			
861-SS28B2032	SS28B2032	1.155 (29.3)	1.450 (36.8)	1.125 (28.6)	0.500 (12.7)	0.200 (5.1)	1.230 (31.2)	230@100MHz			

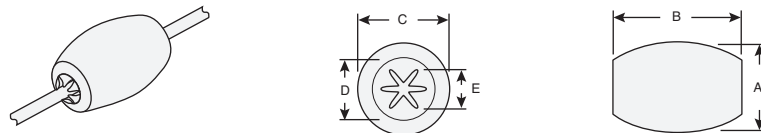
High Frequency (700MHz) - For Round Cables up to 0.50" Diameter

For optional adhesive pad replace "SS" in part number with "AS".

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: in. (mm)					Impedance (Ω)	Price Each			
		A	B	C	D	E		F	1	10	20
861-SS25B2037	SS25B2037	0.790 (20.1)	1.450 (36.8)	0.770 (19.6)	0.350 (8.8)	0.200 (5.1)	0.885 (22.5)	390@700MHz			

JELLY BEAN SNAP WITH INTERNAL LOCKING SYSTEM AND CABLE GRIP ENDS



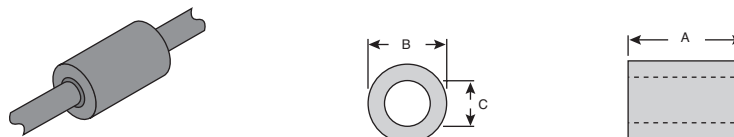
RoHS Compliant

For Round Cables up to 0.120" Diameter

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: in. (mm)					Impedance (Ω)	Price Each		
		A	B	C	D	E		1	10	20
861-JB28B0010	JB28B0010	0.670 (17.0)	0.820 (20.8)	0.670 (17.0)	0.290 (7.4)	0.055 (1.4)	140@100MHz			

SOLID FERRITE BEADS



RoHS Compliant

For Round Cables up to 0.620" Diameter

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: in. (mm)			Impedance (Ω)	Price Each		
		A	B	C		1	10	20
861-28B0375-3	28B0375-3	0.750 (19.1)	0.375 (9.5)	0.192 (4.8)	140@100MHz			
861-28B0562-2	28B0562-2	1.125 (28.6)	0.562 (14.2)	0.250 (6.4)	257@100MHz			
861-28B0625-0	28B0625-0	0.562 (14.3)	0.625 (15.9)	0.310 (7.9)	120@100MHz			
861-28B0736-0	28B0736-0	1.125 (28.6)	0.736 (18.7)	0.430 (10.9)	176@100MHz			
861-28B1020-1	28B1020-1	1.125 (28.6)	1.020 (25.9)	0.505 (12.8)	225@100MHz			
861-28B1102-1	28B1102-1	1.000 (25.4)	1.102 (27.9)	0.620 (15.7)	147@100MHz			

EMI Suppression

FerriShield

FERRISHIELD RF/EMI Gaskets and Fabrics

RoHS Compliant This product is RoHS compliant.

LEADER TECH
a HEICO company
The Leading Edge in EMI Shielding Technology

RF/EMI CONDUCTIVE SHIELDING FABRIC

Shielding effectiveness is determined by a combination of two events: reflection and absorption of RF signals. Absorption depends on the bulk, or thickness, of the shield material. However, reflection occurs at the shield surface and its effectiveness is independent of thickness. Reflection is the determining factor for all high frequency signal attenuation. (Note: When these materials are used in another regime; i.e., conductive shielding gaskets, conductivity is the determinant.) Maximum reflection occurs with the highest conductivity materials. The best overall metals are copper, nickel and combinations of both - based on high conductivity, compatibility with mating metals, manufacturing versatility and cost. The large 1040mm material width (41") minimizes seams; thin 0.08-0.10mm cross sections (0.003-0.004") maximize conformability to irregular surfaces.

Applications:

- Bonding or laminating to complex geometric shapes
- ESD, RF/EMI; shielding attenuation >70.0dB up to 10.0GHz for Cu/Ni type
- Enclosure panels and frames, seams, joints, shield curtains for back panel openings
- RF/EMI conductive shielding gasket cover membranes
- Architectural shielding; shielded room finishing - ceilings, walls, floors; special purpose rooms



RoHS Compliant

Conductive Adhesive

- Sheet size 1040x914mm (41" wide x 36" long)
- Available in full rolls of 50 meters (~164')
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Adhesive	Polyester Fabric Bonded with	Surface Resistivity (Ω/mm²)	Attenuation (dB)				Price Each			
					500KHz	100MHz	300MHz	1GHz	1	2	5	10
861-SF005PCN-CA	SF005PCN-CA	Conductive	Copper / Nickel	.005	79	81	86	82				
861-SF030PCU-CA	SF030PCU-CA	Conductive	Copper	.030	N/A	67	65	62				
861-SF050PNI-CA	SF050PNI-CA	Conductive	Nickel	.050	N/A	72	67	63				

Hot Melt Adhesive

- Sheet size 1040x914mm (41" wide x 36" long)
- Available in full rolls of 100 meters (~325')
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Hot Melt	Polyester Fabric Bonded with	Surface Resistivity (Ω/mm²)	Attenuation (dB)				Price Each			
					500KHz	100MHz	300MHz	1GHz	1	2	5	10
861-SF005PCN-HM	SF005PCN-CA	Hot Melt	Copper / Nickel	.005	79	81	86	82				
861-SF030PCU-HM	SF030PCU-CA	Hot Melt	Copper	.030	N/A	67	65	62				
861-SF050PNI-HM	SF050PNI-CA	Hot Melt	Nickel	.050	N/A	72	67	63				

No Adhesive

- Sheet size 1040x914mm (41" wide x 36" long)
- Available in full rolls of 100 meters (~325')
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	None	Polyester Fabric Bonded with	Surface Resistivity (Ω/mm²)	Attenuation (dB)				Price Each			
					500KHz	100MHz	300MHz	1GHz	1	2	5	10
861-SF005PCN	SF005PCN-CA	None	Copper / Nickel	.005	79	81	86	82				
861-SF030PCU	SF030PCU	None	Copper	.030	N/A	67	65	62				
861-SF050PNI	SF050PNI	None	Nickel	.050	N/A	72	67	63				

EMC Conductive Shielding Aluminum

A high performance, cost-effective sheet shielding material. Very good electrical and thermal conductivity, high reflectivity and resistance to oxidation and corrosive environments. Composition is a four-layer matrix of static dissipative-EMC coating/polyester/Aluminum/polyethylene.

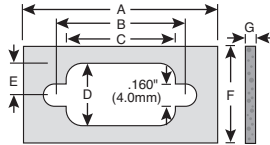
- Sheet size 1040x914mm (41" wide x 36" long)
- Available in full rolls of 182 meters (~600')

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Adhesive	Polyester Fabric Bonded with	Attenuation (dB)				Price Each			
				500KHz	100MHz	300MHz	1GHz	1	2	5	10
861-SF100PAL	SF100PAL	None	Aluminum	48	65	65	60				

D-Sub RF/EMI Shielding Gaskets

- Conformable to irregular surfaces
- Eliminates gap problems between connector and I/O surface plates
- Compresses from 0.10" to 0.025"

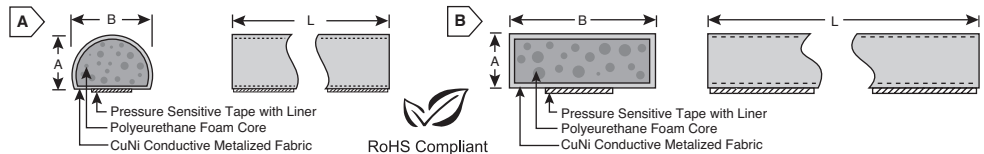


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Conductors	Dimensions: mm							Price Each			
			A	B	C	D	E	F	G	1	25	50	100
861-SG14009DS	SG14009DS	9 Pin	35.6	24.9	19.8	11.2	5.6	17.8	2.5				
861-SG175015DS	SG175015DS	15 Pin	44.5	33.3	28.2	11.2	5.6	17.8	2.5				
861-SG228025DS	SG228025DS	25 Pin	57.9	47	41.9	11.2	5.6	17.8	2.5				
861-SG293037DS	SG293037DS	37 Pin	74.4	63.5	58.2	11.2	5.6	17.8	2.5				
861-SG284050DS	SG284050DS	50 Pin	72.1	61.2	55.9	14.2	7.1	20.3	2.5				

RF/EMI Metallized Fabric over Foam Shielding Gaskets

- Omnidirectional compression loading from any angle
- Quick, easy adhesive mounting on any surface
- Groove mount or surface mount
- Eliminates the need for mechanical clip-ons
- Universally functional for most applications
- Copper-nickel metallized fabric over open cell polyurethane foam

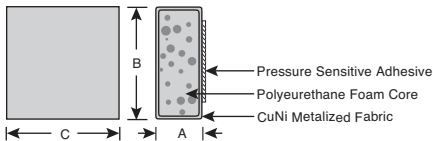


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Fig.	Shape	Surface Resistivity (Ω/Lin. Inch)	Dimensions: mm			Price Each			
					A	B	L	1	25	50	100
861-SG187250D-24	SG187250D-24	A	D Shape RFI	0.005-0.01	4.7	6.35	610				
861-SG250375D-24	SG250375D-24	A	D Shape RFI	0.005-0.01	6.35	9.5	610				
861-SG375500D-24	SG375500D-24	A	D Shape RFI	0.005-0.01	9.5	12.7	610				
861-SG125187D-24	SG125187D-24	A	Micro D Shape RFI	0.005-0.01	3.2	4.7	610				
861-SG060125R-24	SG060125R-24	B	Rectangular RFI	0.005-0.01	1.2	3.2	610				
861-SG125250R-24	SG125250R-24	B	Rectangular RFI	0.005-0.01	3.2	6.35	610				
861-SG187375R-24	SG187375R-24	B	Rectangular RFI	0.005-0.01	4.7	9.5	610				

RF/EMI Shielding Contacts

- Very low profile
- Low compression force
- Simple adhesive mounting
- Excellent alternative to liquid Form-in-place gaskets



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Surface Resistivity (Ω/Lin. Inch)	Dimensions: mm			Price Each			
			A	B	C	1	25	50	100
861-SC060138R	SC060138R	0.005-0.01	1.2	3.5	3.5				

Thermal Transfer Material

- Fills microscopic gaps promoting efficient heat transfer between component and heatsink
- For each increase in operating temperature of 10°C, component life decreases 50%
- 4 grades accommodate most applications
- Sheet size 300x200x1.0mm




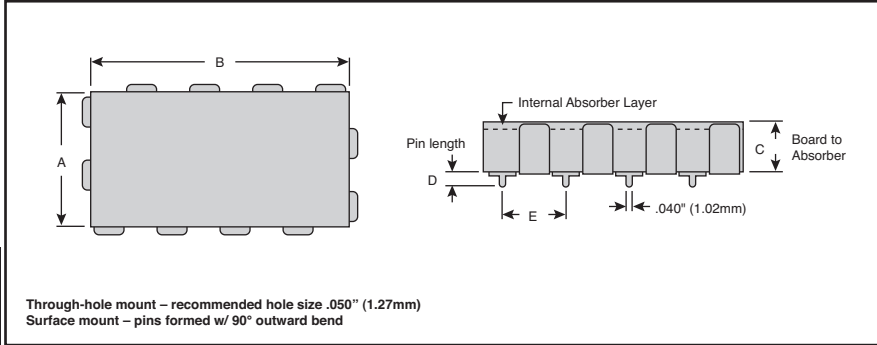
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Thermal Conductivity (W/m-K)	Color	Withstand Voltage (KV)	Price Each			
					1	2	5	10
861-TGF120K	TGF120K	1.2	Black	16				
861-TGF150D	TGF150D	1.5	Light Gray	14				
861-TGF280L	TGF280L	2.8	Dark Gray	13				
861-TGF600M	TGF600M	6.0	Brown	13				

FERRISHIELD PCB Shielded Enclosures

 This product is RoHS compliant.



Through-hole or Adhesive Mount

Shielded enclosures for RF radiations from PCB components stop RF energy right at the source, eliminating re-radiation and interference with other nearby components as well as reducing the number of other shielding expenditures such as filters, gaskets and RF hardening of the equipment exterior structure. The addition of a frequency-tuned absorber membrane layer adds unprecedented performance, assimilating radiated energy without relying on repeated reflections from the interior surfaces of the shield, and without problems of harmonic resonance. Refer to sketches above.

The versatile shield design includes a solderable fence and tight-fitting cover assembly of copper alloy 770 (C77000), a tough solder-compatible material which does not require plating nor has corrosion prone bare edges. The removable cover provides convenient access to circuitry; and is very cost-effective due to the use of universal multi-use manufacturing tooling.

Each enclosure shield size can be combined with frequency-specific absorber material bonded to the cover interior for exacting remediation of otherwise errant frequency emanations - a selection of five EMC absorbers effective from 50 MHz to 1 GHz along with an extra wideband version effective from 40 MHz to 5 GHz; and, ten Microwave versions effective up to 116 GHz. The adhesive mounting option provides quick installation on any circuit without modification of PCB traces.

To specify adhesive mount add suffix "A" to part number. To specify surface mount add suffix "SM" to part number.



RoHS Compliant

EMC TYPE PCB SHIELD ENCLOSURES - UP TO 5GHZ

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ferrishield Part No.	Dimensions: In. (mm)					Frequency Range	Frequency Peak	Price Each	
		A	B	C	D	E			1	10
861-PS100EMC24	PS100EMC24	1.00 (25.4)	2.00 (50.8)	0.198 (5.0)	0.10 (2.5)	0.50 (12.7)	50 MHz to 1 GHz	-17.3dB@100MHz		
861-PS300EMC24	PS300EMC24	1.00 (25.4)	2.00 (50.8)	0.198 (5.0)	0.10 (2.5)	0.50 (12.7)	50 MHz to 1 GHz	-17.6dB@300MHz		
861-PS500EMC24	PS500EMC24	1.00 (25.4)	2.00 (50.8)	0.189 (4.8)	0.10 (2.5)	0.50 (12.7)	50 MHz to 1 GHz	-17.8dB@500MHz		
861-PS800EMC24	PS800EMC24	1.00 (25.4)	2.00 (50.8)	0.192 (4.9)	0.10 (2.5)	0.50 (12.7)	50 MHz to 1 GHz	-17.9dB@800MHz		
861-PS3200EMC24	PS3200EMC24	1.00 (25.4)	2.00 (50.8)	0.196 (5.0)	0.10 (2.5)	0.50 (12.7)	40 MHz to 5 GHz	-31.3dB@3.2GHz		
861-PS100EMC44	PS100EMC44	2.00 (50.8)	3.00 (76.2)	0.398 (10.1)	0.12 (3.0)	0.50 (12.7)	50 MHz to 1 GHz	-17.3dB@100MHz		
861-PS300EMC44	PS300EMC44	2.00 (50.8)	3.00 (76.2)	0.398 (10.1)	0.12 (3.0)	0.50 (12.7)	50 MHz to 1 GHz	-17.6dB@300MHz		
861-PS400EMC44	PS400EMC44	2.00 (50.8)	3.00 (76.2)	0.398 (10.1)	0.12 (3.0)	0.50 (12.7)	50 MHz to 1 GHz	-17.2dB@400MHz		
861-PS500EMC44	PS500EMC44	2.00 (50.8)	3.00 (76.2)	0.389 (9.9)	0.12 (3.0)	0.50 (12.7)	50 MHz to 1 GHz	-17.8dB@500MHz		
861-PS800EMC44	PS800EMC44	2.00 (50.8)	3.00 (76.2)	0.392 (10.0)	0.12 (3.0)	0.50 (12.7)	50 MHz to 1 GHz	-17.9dB@800MHz		
861-PS3200EMC44	PS3200EMC44	2.00 (50.8)	3.00 (76.2)	0.396 (10.1)	0.12 (3.0)	0.50 (12.7)	40 MHz to 5 GHz	-31.3dB@3.2GHz		
* 861-PS3200EMC44H	PS3200EMC44H	2.00 (50.8)	3.00 (76.2)	0.396 (10.1)	0.12 (3.0)	0.50 (12.7)	40 MHz to 5 GHz	-31.3dB@3.2GHz		
861-PS100EMC59	PS100EMC59	3.00 (76.2)	4.50 (114.3)	0.498 (12.6)	0.12 (3.0)	0.25 (6.4)	50 MHz to 1 GHz	-17.3dB@100MHz		
861-PS400EMC59	PS400EMC59	3.00 (76.2)	4.50 (114.3)	0.498 (12.6)	0.12 (3.0)	0.25 (6.4)	50 MHz to 1 GHz	-17.2dB@400MHz		
861-PS500EMC59	PS500EMC59	3.00 (76.2)	4.50 (114.3)	0.489 (12.4)	0.12 (3.0)	0.25 (6.4)	50 MHz to 1 GHz	-17.8dB@500MHz		
861-PS800EMC59	PS800EMC59	3.00 (76.2)	4.50 (114.3)	0.492 (12.5)	0.12 (3.0)	0.25 (6.4)	50 MHz to 1 GHz	-17.9dB@800MHz		
861-PS3200EMC59	PS3200EMC59	3.00 (76.2)	4.50 (114.3)	0.496 (12.6)	0.12 (3.0)	0.25 (6.4)	40 MHz to 5 GHz	-31.3dB@3.2GHz		
* 861-PS3200EMC59H	PS3200EMC59H	3.00 (76.2)	4.50 (114.3)	0.496 (12.6)	0.12 (3.0)	0.25 (6.4)	40 MHz to 5 GHz	-31.3dB@3.2GHz		

* High Temperature Version



RoHS Compliant

MICROWAVE TYPE PCB SHIELD ENCLOSURES - UP TO 116GHZ

For quantities greater than listed, call for quote.

861-PS24MA24	PS24MA24	1.00 (25.4)	2.00 (50.8)	0.062 (1.6)	0.1 (2.5)	0.50 (12.7)	2.2-2.6 GHz	-21.0dB@2.4GHz		
861-PS58MA24	PS58MA24	1.00 (25.4)	2.00 (50.8)	0.100 (2.5)	0.1 (2.5)	0.50 (12.7)	5.5-6.2 GHz	-23.5dB@5.8GHz		
861-PS100MA24	PS100MA24	1.00 (25.4)	2.00 (50.8)	0.145 (3.7)	0.1 (2.5)	0.50 (12.7)	9.2-10.8 GHz	-23.5dB@10.0GHz		
861-PS180MA24	PS180MA24	1.00 (25.4)	2.00 (50.8)	0.160 (4.1)	0.1 (2.5)	0.50 (12.7)	16.5-19.5 GHz	-24.1dB@18.0GHz		
861-PS240MA24	PS240MA24	1.00 (25.4)	2.00 (50.8)	0.176 (4.5)	0.1 (2.5)	0.50 (12.7)	22.5-25.5 GHz	-24.3dB@24.0GHz		
861-PS260MA24	PS260MA24	1.00 (25.4)	2.00 (50.8)	0.173 (4.4)	0.1 (2.5)	0.50 (12.7)	25.2-27.0 GHz	-21.4dB@26.0GHz		
861-PS380MA24	PS380MA24	1.00 (25.4)	2.00 (50.8)	0.176 (4.5)	0.1 (2.5)	0.50 (12.7)	35.8-40.2 GHz	-21.4dB@38.0GHz		
861-PS600MA24	PS600MA24	1.00 (25.4)	2.00 (50.8)	0.165 (4.2)	0.1 (2.5)	0.50 (12.7)	52.0-64.2 GHz	-21.6dB@60.0GHz		
861-PS760MA24	PS760MA24	1.00 (25.4)	2.00 (50.8)	0.184 (4.7)	0.1 (2.5)	0.50 (12.7)	72.0-80.0 GHz	-20.0dB@76.0GHz		
861-PS1100MA24	PS1100MA24	1.00 (25.4)	2.00 (50.8)	0.184 (4.7)	0.1 (2.5)	0.50 (12.7)	104.0-116.0 GHz	-21.2dB@110.0GHz		
861-PS24MA44	PS24MA44	2.00 (50.8)	3.00 (76.2)	0.262 (6.7)	0.12 (3.0)	0.50 (12.7)	2.2-2.6 GHz	-23.5dB@2.4GHz		
861-PS58MA44	PS58MA44	2.00 (50.8)	3.00 (76.2)	0.300 (7.6)	0.12 (3.0)	0.50 (12.7)	5.5-6.2 GHz	-23.5dB@5.8GHz		
861-PS100MA44	PS100MA44	2.00 (50.8)	3.00 (76.2)	0.345 (8.8)	0.12 (3.0)	0.50 (12.7)	9.2-10.8 GHz	-23.5dB@10.0GHz		
861-PS180MA44	PS180MA44	2.00 (50.8)	3.00 (76.2)	0.360 (9.1)	0.12 (3.0)	0.50 (12.7)	16.5-19.5 GHz	-24.1dB@18.0GHz		
861-PS240MA44	PS240MA44	2.00 (50.8)	3.00 (76.2)	0.376 (9.6)	0.12 (3.0)	0.50 (12.7)	22.5-25.5 GHz	-24.3dB@24.0GHz		
861-PS260MA44	PS260MA44	2.00 (50.8)	3.00 (76.2)	0.373 (9.5)	0.12 (3.0)	0.50 (12.7)	25.2-27.0 GHz	-21.4dB@26.0GHz		
861-PS380MA44	PS380MA44	2.00 (50.8)	3.00 (76.2)	0.376 (9.6)	0.12 (3.0)	0.50 (12.7)	35.8-40.2 GHz	-21.4dB@38.0GHz		
861-PS600MA44	PS600MA44	2.00 (50.8)	3.00 (76.2)	0.365 (9.3)	0.12 (3.0)	0.50 (12.7)	52.0-64.2 GHz	-21.6dB@60.0GHz		
861-PS760MA44	PS760MA44	2.00 (50.8)	3.00 (76.2)	0.384 (9.8)	0.12 (3.0)	0.50 (12.7)	72.0-80.0 GHz	-20.0dB@76.0GHz		
861-PS1100MA44	PS1100MA44	2.00 (50.8)	3.00 (76.2)	0.384 (9.8)	0.12 (3.0)	0.50 (12.7)	104.0-116.0 GHz	-21.2dB@110.0GHz		
861-PS24MA59	PS24MA59	3.00 (76.2)	4.50 (114.3)	0.400 (10.2)	0.12 (3.0)	0.25 (6.4)	5.5-6.2 GHz	-23.5dB@5.8GHz		
861-PS100MA59	PS100MA59	3.00 (76.2)	4.50 (114.3)	0.445 (11.3)	0.12 (3.0)	0.25 (6.4)	9.2-10.8 GHz	-23.5dB@10.0GHz		
861-PS180MA59	PS180MA59	3.00 (76.2)	4.50 (114.3)	0.460 (11.7)	0.12 (3.0)	0.25 (6.4)	16.5-19.5 GHz	-24.1dB@18.0GHz		
861-PS240MA59	PS240MA59	3.00 (76.2)	4.50 (114.3)	0.476 (12.1)	0.12 (3.0)	0.25 (6.4)	22.5-25.5 GHz	-24.3dB@24.0GHz		
861-PS260MA59	PS260MA59	3.00 (76.2)	4.50 (114.3)	0.473 (12.0)	0.12 (3.0)	0.25 (6.4)	25.2-27.0 GHz	-21.4dB@26.0GHz		
861-PS380MA59	PS380MA59	3.00 (76.2)	4.50 (114.3)	0.476 (12.1)	0.12 (3.0)	0.25 (6.4)	35.8-40.2 GHz	-21.4dB@38.0GHz		
861-PS600MA59	PS600MA59	3.00 (76.2)	4.50 (114.3)	0.465 (11.8)	0.12 (3.0)	0.25 (6.4)	52.0-64.2 GHz	-21.6dB@60.0GHz		
861-PS760MA59	PS760MA59	3.00 (76.2)	4.50 (114.3)	0.484 (12.3)	0.12 (3.0)	0.25 (6.4)	72.0-80.0 GHz	-20.0dB@76.0GHz		
861-PS1100MA59	PS1100MA59	3.00 (76.2)	4.50 (114.3)	0.484 (12.3)	0.12 (3.0)	0.25 (6.4)	104.0-116.0 GHz	-21.2dB@110.0GHz		

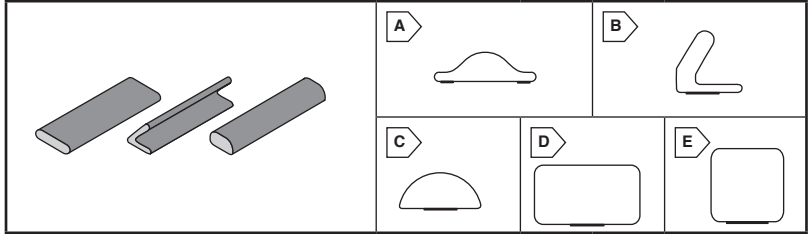


This product is RoHS compliant.

LAIRD TECHNOLOGIES FABRIC-OVER-FOAM EMI SHIELDING GASKETS

Features:

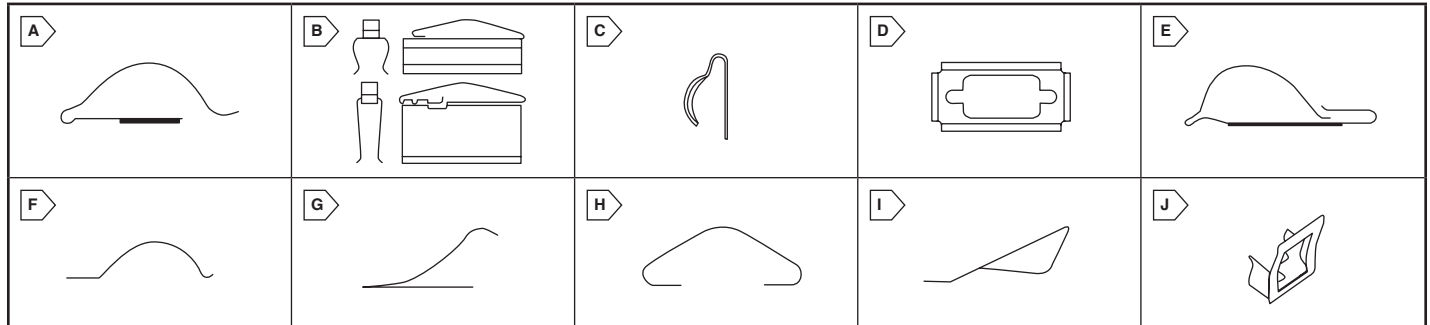
- Shielding effectiveness of >100dB across a wide spectrum of frequencies (MIL-STD 285 mod.)
- Extremely low compression forces allow for use of lighter materials
- Low surface resistivity of <0.07 ohms/square provides improved conductivity (ASTM F390)
- Abrasion resistant metallized fabrics show virtually no degradation in shielding performance after 1,000,000 cycles
- Urethane & thermoplastic elastomer (TPE) core provide low compression set ensuring long-term reliable gasket performance
- Service temperatures from -40°F to 158°F (-40°C to 70°C)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Fig.	UL 94 Rating	Shape	Dimensions: in. (mm)			Price Each			
					Height	Width	Length	1	10	50	100
739-4633PA-51H-01800	4633-PA-51H-01800	A	VO	Bell	0.100 (2.54)	0.300 (7.62)	18.00 (457.20)				
739-4593PA-H1K-01800	4593-PA-H1K-01800	B	VO	C-Fold	0.250 (6.35)	0.280 (7.11)	18.00 (457.20)				
739-4184PA-51H-01800	4184-PA-51H-01800	C	VO	D	0.60 (1.52)	0.150 (3.81)	18.00 (457.20)				
739-4548PA-51H-01800	4548-PA-51H-01800	C	VO	D	0.060 (1.50)	0.250 (6.35)	18.00 (457.20)				
739-4053PA-51H-01800	4053-PA-51H-01800	C	VO	D	0.090 (2.29)	0.090 (2.29)	18.00 (457.20)				
739-4240PA-51H-01800	4240-PA-51H-01800	C	VO	D	0.100 (2.54)	0.300 (7.62)	18.00 (457.20)				
739-4742PA-51H-01800	4742-PA-51H-01800	C	VO	D	0.120 (3.05)	0.150 (3.81)	18.00 (457.20)				
739-4202PA-51H-01800	4202-PA-51H-01800	C	VO	D	0.120 (3.05)	0.250 (6.35)	18.00 (457.20)				
739-4078PA-51H-01800	4078-PA-51H-01800	C	VO	D	0.120 (3.05)	0.360 (9.14)	18.00 (457.20)				
739-4692PA-51H-01800	4692-PA-51H-01800	C	VO	D	0.140 (3.56)	0.250 (6.35)	18.00 (457.20)				
739-4105PA-51H-01800	4105-PA-51H-01800	C	VO	D	0.375 (9.52)	0.500 (12.70)	18.00 (457.20)				
739-4245PA-51H-01800	4245-PA-51H-01800	D	VO	Rectangle	0.040 (1.02)	0.120 (3.05)	18.00 (457.20)				
739-4220PA-51H-01800	4220-PA-51H-01800	D	VO	Rectangle	0.040 (1.02)	0.200 (5.08)	18.00 (457.20)				
739-4056PA-51H-01800	4056-PA-51H-01800	D	VO	Rectangle	0.060 (1.52)	0.200 (5.08)	18.00 (457.20)				
739-4209PA-51H-01800	4209-PA-51H-01800	D	VO	Rectangle	0.120 (3.05)	0.155 (3.94)	18.00 (457.20)				
739-4788PA-51H-01800	4788-PA-51H-01800	D	VO	Rectangle	0.125 (3.18)	0.250 (6.35)	18.00 (457.20)				
739-4701PA-51H-01800	4701-PA-51H-01800	D	VO	Rectangle	0.250 (6.35)	0.375 (9.53)	18.00 (457.20)				
739-4520PA-51H-01800	4520-PA-51H-01800	E	VO	Square	0.079 (2.01)	0.079 (2.01)	18.00 (457.20)				
739-4046PA-51H-01800	4046-PA-51H-01800	E	VO	Square	0.118 (3.00)	0.118 (3.00)	18.00 (457.20)				
739-4212PA-51H-01800	4212-PA-51H-01800	E	VO	Square	0.195 (4.96)	0.195 (4.96)	18.00 (457.20)				

LAIRD TECHNOLOGIES FINGERSTOCK GASKETS AND METAL GROUNDING PRODUCTS



BeCu=Beryllium Copper / RCC=Recyclable Clean Copper

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Fig.	Description	Dimensions: in. (mm)			Price Each			
				Height	Width	Length	1	10	50	100
739-0097053802	0097053802	A	All-Purpose (BeCu)	.250 (6.35)	.780 (19.81)	24.00 (609.60)				
739-0097054002	0097054002	A	All-Purpose (BeCu)	.110 (2.79)	.280 (7.11)	16.00 (406.40)				
739-0087054002	0087054002	A	All-Purpose (RCC)	.110 (2.79)	.280 (7.11)	16.00 (406.40)				
739-0097098302	0097098302	B	Card Guide Clip-On (BeCu)	.256 (6.50)	.080 (2.03)	--				
739-0097061302	0097061302	C	Clip-On Gasket w/ "D" Lance (BeCu)	.100 (2.54)	.300 (7.62)	16.00 (406.40)				
739-0097060502	0097060502	C	Clip-On Gasket w/ "T" Lance (BeCu)	.200 (2.54)	.380 (9.65)	16.00 (406.40)				
739-0087065502	0087065502	--	Clip-On Perpendicular (RCC)	.070 (1.78)	.305 (7.75)	12.00 (304.80)				
739-0087065602	0087065602	--	Clip-On Perpendicular (RCC)	.250 (6.35)	.544 (13.82)	16.00 (406.40)				
739-0097031002	0097031002	C	Contact Strip (BeCu)	.280 (7.11)	.480 (12.19)	15.00 (381.00)				
739-0097039002	0097039002	C	Contact Strip (BeCu)	.200 (5.08)	.280 (7.11)	16.00 (406.40)				
739-0087038002	0087038002	C	Contact Strip (BeCu)	.090 (2.28)	.190 (4.83)	16.00 (406.40)				
739-0097077800	0097077800	D	D Connector Shield (BeCu)	.025 (0.64)	1.410 (35.81)	--				
739-0097052102	0097052102	E	Fold-Over Series (BeCu)	.140 (3.556)	.510 (12.95)	16.00 (406.40)				
739-9743802240	9743802240	F	Large Enclosure (BeCu)	.250 (6.35)	1.090 (27.69)	24.00 (609.40)				
739-0097097402	0097097402	G	Mini-Longitudinal Grounding (BeCu)	.145 (3.68)	.180 (4.57)	16.00 (406.40)				
739-0077001002	0077001002	H	Slot Mount (BeCu)	.110 (2.79)	.320 (8.13)	16.00 (406.40)				
739-0067001102	0067001102	H	Slot Mount (RCC)	.220 (5.59)	.600 (15.24)	16.00 (406.40)				
739-0097055002	0097055002	I	Twist Series (BeCu)	.030 (0.76)	.230 (5.84)	24.00 (609.90)				
739-0097055502	0097055502	I	Twist Series (BeCu)	.070 (1.78)	.340 (8.64)	24.00 (609.90)				
739-0097072802	0097072802	J	USB Connector (BeCu)	.511 (12.98)	.625 (15.88)	--				

LAIRD TECHNOLOGIES STANDARD PRECISION ELECTRONIC CONTACTS

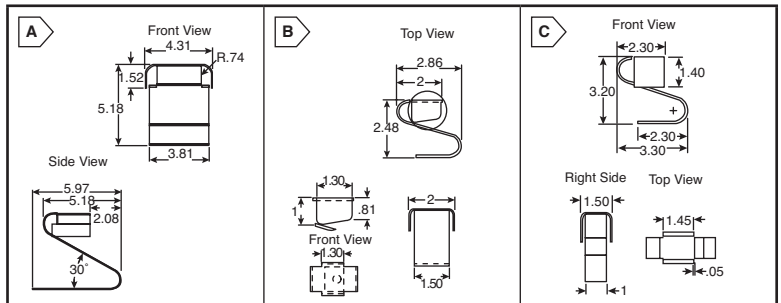
Laird Technologies standard precision electronic contacts ground, carry current and signals, and interconnect boards and devices. Laird Technologies offers a wide choice of plating options and designs in standard formats that are ready for product.

- Materials: 0.10mm BeCu
- Typical Applications: Grounding, energy carrying

BeCu=Beryllium Copper

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Part No.	Fig.	Coil Voltage	Contact Form	Price Each			
					1	25	50	100
739-BMIC-004	BMIC-004	A	Gold	1400				
739-BMIC-006	BMIC-006	B	Tin	3500				
739-BMIC-007	BMIC-007	C	Tin	2300				



LAIRD TECHNOLOGIES EMI Components



RoHS Compliant This product is RoHS compliant.

LAIRD TECHNOLOGIES BOARD LEVEL SHIELDS

Standard Surface Mount Shields - One Piece

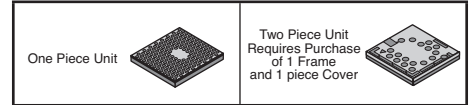
One-piece shields offer six sides of protection, with the sixth side being the board itself. One-piece designs offer economical shielding protection where access to covered components is not necessary.

The One-piece design offers economical shield protection.

No tooling costs associated with one or two piece standard designs

Standard Surface Mount Shields - Two Piece

Two-piece board level shields offer users the flexibility to inspect or repair shielded components without having to risk board damage by removing the entire shield or incur any tooling costs. Covers snap on and off with ease, which makes repair of the component under the shield quicker and easier.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Surface Area in. (mm)	Piece Type	Dimensions: in. (mm)		Dimensions: mm		Pitch Parts Per Reel	Price Each						
				Max. Overall Dim.	Max. Overall Height	Carrier Tape Carrier Width	Carrier Width		1	10	50	100			
One Piece															
739-BMIS-105	BMIS-105	1.461 ² (942.50 ²)	----	1.500x1.000 (38.10x25.40)	.236 (6.00)	56	32	250							
Two Piece															
739-BMIS-201-F	BMIS-201-F	.253 ² (63.10 ²)	Frame	.538x.476 (13.66x12.10)	.100 (2.54)	24	20	1000							
739-BMIS-201-C	BMIS-201-C	.253 ² (63.10 ²)	Cover	.538x.476 (13.66x12.10)	.100 (2.54)	--	--	--							
739-BMIS-202-F	BMIS-202-F	.402 ² (259.21 ²)	Frame	.650x.650 (16.50x16.50)	.142 (3.60)	32	24	700							
739-BMIS-202-C	BMIS-202-C	.402 ² (259.21 ²)	Cover	.650x.650 (16.50x16.50)	.142 (3.60)	--	--	--							
739-BMIS-203-F	BMIS-203-F	1.033 ² (666.16 ²)	Frame	1.032x1.032 (26.21x26.21)	.200 (5.08)	44	32	300							
739-BMIS-203-C	BMIS-203-C	1.033 ² (666.16 ²)	Cover	1.032x1.032 (26.21x26.21)	.200 (5.08)	--	--	--							
739-BMIS-205-F	BMIS-205-F	1.461 ² (942.50 ²)	Frame	1.500x1.000 (38.10x25.40)	.236 (6.00)	56	32	250							
739-BMIS-205-C	BMIS-205-C	1.461 ² (942.50 ²)	Cover	1.500x1.000 (38.10x25.40)	.236 (6.00)	--	--	--							
739-BMIS-206-F	BMIS-206-F	1.879 ² (1212.39 ²)	Frame	1.450x1.326 (36.83x33.68)	.200 (5.08)	56	40	300							
739-BMIS-206-C	BMIS-206-C	1.879 ² (1212.39 ²)	Cover	1.450x1.326 (36.83x33.68)	.200 (5.08)	--	--	--							
739-BMIS-207-F	BMIS-207-F	2.997 ² (1933.36 ²)	Frame	1.747x1.747 (44.37x44.37)	.384 (9.75)	56	56	120							
739-BMIS-207-C	BMIS-207-C	2.997 ² (1933.36 ²)	Cover	1.747x1.747 (44.37x44.37)	.384 (9.75)	--	--	--							

LAIRD TECHNOLOGIES MICROWAVE ABSORBERS

Q-Zorb™ RFSW Surface Wave

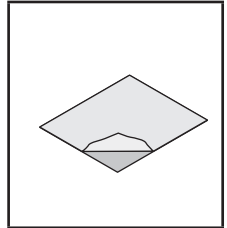
Q-Zorb RFSW surface wave absorbers are thin, magnetically loaded elastomeric sheets designed to provide attenuation at high angles of incidence for surface wave attenuation. They are nominally manufactured in the thickness range of 0.010 in. to 0.125 in. (0.3mm to 3.2mm).

Features:

- The materials available are in UL fire retardant versions for use in commercial devices.
- Several magnetic fillers are available carbonyl iron powder is standard, but other materials such as iron silicide (FeSi) are used for corrosion resistant applications.
- Excellent performance at frequencies between 500MHz and 40GHz.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Description	Optimum Frequency Range (GHz)	Dimensions: in. (mm)			Price Each
				Height	Width	Thickness	
739-Q2240	Q2240	Q-Zorb Surface Wave Fire Retardant PSA	8-12	24.00 (609.60)	24.00 (609.60)	0.060 (1.50)	
739-Q2242	Q2242	Q-Zorb Surface Wave Fire Retardant PSA	2-4	24.00 (609.60)	24.00 (609.60)	0.125 (3.175)	



Microwave Absorbing Foam

Microwave absorbing foam is commonly used around antennas and wireless devices to provide isolation or side lobe reduction. It can be die-cut into components for EMI reduction inside microwave cavities and is used to manufacture antenna hats and test boxes. It can be encapsulated into a textile cover for use outdoors and fabricated into blankets, covers and over components.

RFRET - Reticulated Foam Absorbers

RFRET is a urethane-based reticulated foam absorber. RFRET is offered with a graded carbon coating providing excellent broadband reflectivity reduction. RFRET with constant carbon loading provides excellent insertion loss. RFRET is useful for antenna sidelobe reduction and pattern enhancement.

RFLS - Lossy Foam Absorbers

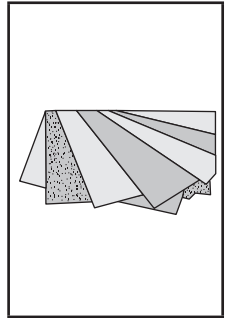
RFLS is a single layer "lossy" sheet produced by dipping lightweight open-celled urethane foam into a resistive solution. The end product is a uniform lightweight, loaded sheet material with a specified insertion loss at a given frequency. RFLS offers the lowest cost in microwave absorber products.

Features:

- Typical applications: antennas, amplifiers, oscillators, computer housings and wireless equipment
- Excellent performance at low frequencies (> 100 MHz)
- Lowers the noise or cavity Q in microwave components
- Can be supplied with PSA backing

For quantities greater than listed, call for quote.

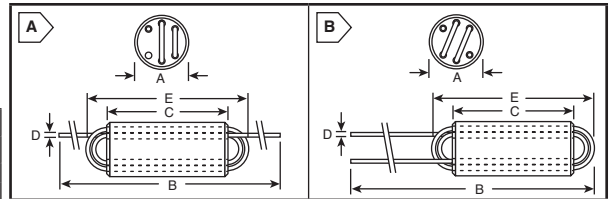
MOUSER STOCK NO.	Laird Tech Part No.	Description	Dimensions: in. (mm)			Price Each			
			Height	Width	Length	1	5	10	50
739-04001	04001	Reticulated Foam	24.00 (609.60)	24.00 (609.60)	0.50 (1.27)				
739-05099	05099	Lossy Foam, with PSA	24.00 (609.60)	24.00 (609.60)	0.125 (3.18)				
739-05102	05102	Lossy Foam, with PSA	24.00 (609.60)	24.00 (609.60)	0.250 (6.35)				



MULTIPLE TURN AXIAL LEAD FERRITE BEAD/CORES - DIFFERENTIAL MODE

For quantities greater than listed, call for quote.

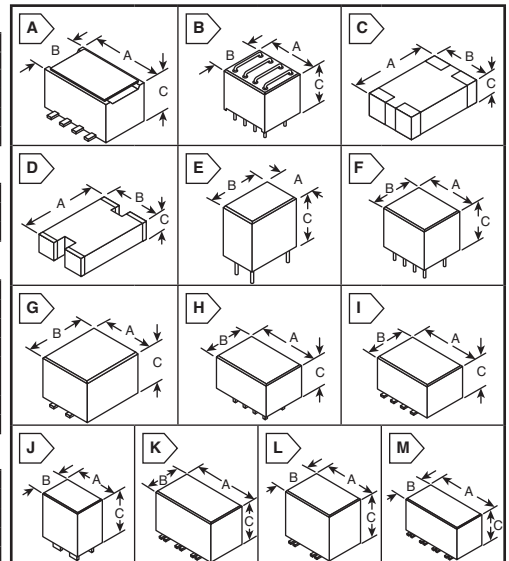
MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 100MHz (Ω)	Rated Current	Number of Turns	Price Each			
						1	10	50	100
875-28C0236-0BW-10	28C0236-0BW-10	A	835	7	2.5				
875-28C0236-0EW-10	28C0236-0EW-10	B	998	7	3.0				



DIFFERENTIAL MODE FERRITE EMI FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 100MHz (Ω)	Rated Current	Dimensions: mm			Price Each			
					A	B	C	1	10	50	100
875-29F0418-1SR-10	29F0418-1SR-10	A	119	6	6.10	4.50	4.19				
875-29F0430-2SR-10	29F0430-2SR-10	A	200	9	10.87	10.87	6.35				
875-29F0428-0T0-10	29F0428-0T0-10	B	342	10	10.88	10.88	10.57				
875-29F0429-0T0-10	29F0429-0T0-10	B	285	10	10.88	5.49	10.44				



COMMON MODE CHIP BEAD - HIGH CURRENT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 100MHz (Ω)	Rated Current	Dimensions: mm	Price Each				
						1	10	50	100	
875-CM1812X330R-10	CM1812X330R-10	C	33	10	4.57	3.05	1.60			
875-CM3312R111R-10	CM3312R111R-10	C	110	5	8.50	3.05	2.36			
875-CM3322U610R-10	CM3322U610R-10	D	61	7	8.50	5.60	2.10			

HIGH CURRENT COMMON MODE CHOKE ARRAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 100MHz (Ω)	Rated Current	Dimensions: mm			Price Each			
					A	B	C	1	10	50	100
875-CM2545X171B-10	CM2545X171B-10	E	170	10	6.3	11.38	9.32				
875-CM4545Z131B-10	CM4545Z131B-10	F	130	10	11.38	11.38	9.32				
875-CM3440Z171R-10	CM3440Z171R-10	G	170	20	8.51	10.03	9.32				
875-CM5740Z171B-10	CM5740Z171B-10	H	170	20	14.48	10.03	9.32				
875-CM5740Z171R-10	CM5740Z171R-10	I	170	20	14.48	10.03	9.32				
875-CM5441Z101B-10	CM5441Z101B-10	J	100	30	13.72	10.41	10.52				
875-CM5441Z161B-10	CM5441Z161B-10	J	160	30	13.72	10.41	10.52				
875-CM4732V301R-10	CM4732V301R-10	K	300	8	11.94	8.13	9.45				

COMMON MODE EMI FILTER ARRAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 100MHz (Ω)	Rated Current	Dimensions: mm	Price Each				
						1	10	50	100	
875-CM2722R201R-10	CM2722R201R-10	L	200	5	6.99	5.72	9.53			
875-CM3822R201R-10	CM3822R201R-10	K	200	5	9.78	5.72	7.62			
875-CM5022R151R-10	CM5022R151R-10	M	150	5	12.57	5.72	7.62			
875-CM5022R201R-10	CM5022R201R-10	M	200	5	12.57	5.72	7.62			
875-CM5022R800R-10	CM5022R800R-10	M	80	5	12.57	5.72	7.62			

EMI Suppression Laird Technologies

LAIRD TECHNOLOGIES EMI Chip Beads



RoHS Compliant This product is RoHS compliant.

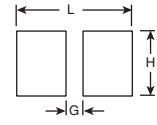
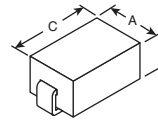
SMD FERRITE BEAD ASSEMBLIES

Specifications:

- 10Amp continuous operating current capability
- Low DCR
- Rugged construction

Applications:

- EMI filtering
- Board fixture applications



Land Pattern
(For Reflow Soldering)

For quantities greater than listed, call for quote.

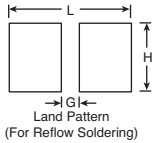
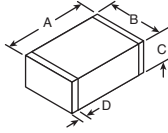
MOUSER STOCK NO.	Steward Part No.	Case Size	Impedance @ 100MHz (Ω)	Rated Current (A)	Price Each			Reel Price
					1	50	100	
875-28F0121-0SR-10	28F0121-0SR-10	1612	48	10				
875-28F0121-1SR-10	28F0121-1SR-10	3312	96	10				

Steward Part No.	Dimensions: mm					
	A	B	C	L	G	H
28F0121-0SR-10	3.05	2.54	4.06	7.29	1.02	3.45
28F0121-1SR-10	3.05	2.54	8.51	10.74	4.14	4.60

SMD FERRITE EMI CHIP BEADS

Specifications:

- Excellent retention under bias
- Rugged monolithic construction
- Superior impedance vs frequency characteristics
- Economical



Land Pattern
(For Reflow Soldering)

Applications:

- Filtering of power input pins and devices using high speed clocks
- High frequency filtering of medium speed clocks and video signals
- Data bus filtration; high frequency amplifier oscillation killers

Series Codes:

- LI - Low Current Chips (1amp & <400ohms)
- MI - Mid Current Chips (1-2.5amps)
- HZ - High Impedance Chip (<1amp & >400ohms)
- HI - High Current Chip (>3amps)
- LF - Low Frequency Chips

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Case Size	Impedance @ 100MHz (Ω)	DCR (Ω)	Imax (A)	Price Each			Reel Qty.	Price Each
					1	50	100		
High Current Chip Beads									
875-HI0603P600R-10	0603	60	0.04	3				4000	
875-HI0805Q310R-10	0805	31	0.025	4.5				4000	
875-HI0805R800R-10	0805	80	0.016	5				4000	
875-HI0805O121R-10	0805	120	0.02	3.5				4000	
875-HI1206T500R-10	1206	50	0.01	6				3000	
875-HI1206N800R-10	1206	80	0.035	3				3000	
875-HI1206N101R-10	1206	100	0.035	3				3000	
875-HI1206P121R-10	1206	120	0.03	4				3000	
875-HI1206T161R-10	1206	160	0.018	6				3000	
875-HI1612X560R-10	1612	56	0.004	10				2500	
875-HI1806T600R-10	1806	60	0.01	6				2000	
875-HI1806N910R-10	1806	91	0.03	3				2000	
875-HI1812T800R-10	1812	80	0.01	6				2500	
875-HI1812V101R-10	1812	100	0.01	8				2500	
875-HI2220T101R-10	2220	100	0.006	6				2000	
875-HI2220R181R-10	2220	180	0.02	5				2000	
875-HI2220P251R-10	2220	250	0.015	4				2000	
875-HI2220R301R-10	2220	300	0.02	5				2000	
875-HI2220Q401R-10	2220	400	0.025	4.5				2000	
875-HI2220P551R-10	2220	550	0.035	4				2000	
875-HI2220P601R-10	2220	600	0.025	4				2000	
875-HI2220P701R-10	2220	700	0.025	4				2000	
875-HI3312X101R-10	3312	100	0.004	10				2500	
Low Current Chip Beads									
875-LI0201B241R-10	0201	240	1	0.2				15000	
875-LI0402E190R-10	0402	19	0.1	0.5				10000	
875-LI0402E300R-10	0402	30	0.3	0.5				10000	
875-LI0402C470R-10	0402	47	0.15	0.3				10000	
875-LI0402E600R-10	0402	60	0.3	0.5				10000	
875-LI0402B800R-10	0402	80	0.8	0.2				10000	
875-LI0402D121R-10	0402	120	0.4	0.4				10000	
875-LI0402C221R-10	0402	220	0.35	0.3				10000	
875-LI0402B301R-10	0402	300	0.8	0.2				10000	
875-LI0603E470R-10	0603	47	0.1	0.5				4000	
875-LI0603G800R-10	0603	80	0.2	0.7				4000	
875-LI0603G121R-10	0603	120	0.2	0.7				4000	
875-LI0603E151R-10	0603	150	0.25	0.5				4000	
875-LI0603B201R-10	0603	200	0.4	0.2				4000	
875-LI0603G221R-10	0603	220	0.3	0.7				4000	
875-LI0603D301R-10	0603	300	0.35	0.4				4000	
875-LI0805H750R-10	0805	75	0.15	0.8				4000	
875-LI0805H121R-10	0805	120	0.15	0.8				4000	
875-LI0805H151R-10	0805	150	0.15	0.8				4000	
875-LI0805G201R-10	0805	200	0.3	0.7				4000	
875-LI0805G301R-10	0805	300	0.2	0.7				4000	
875-LI1206H121R-10	1206	120	0.15	0.8				3000	
875-LI1206H151R-10	1206	150	0.15	0.8				3000	
875-LI1806E800R-10	1806	80	0.3	0.5				3000	
875-LI1806E101R-10	1806	100	0.3	0.5				3000	
875-LI1806C151R-10	1806	150	0.5	0.3				3000	
875-LI1812D121R-10	1812	120	0.4	0.4				2500	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Case Size	Impedance @ 100MHz (Ω)	DCR (Ω)	Imax (A)	Price Each			Reel Qty.	Price Each
					1	50	100		
Mid Current Chip Beads									
875-MI0603K300R-10	0603	30	0.09	1.5				4000	
875-MI0603J600R-10	0603	60	0.1	1				4000	
875-MI0603J680R-10	0603	68	0.1	1				4000	
875-MI0603M121R-10	0603	120	0.05	2.5				4000	
875-MI0603L221R-10	0603	220	0.065	2				4000	
875-MI0603L301R-10	0603	300	0.1	2				4000	
875-MI0603J601R-10	0603	600	0.2	1				4000	
875-MI0805K110R-10	0805	11	0.06	1.5				4000	
875-MI0805K400R-10	0805	40	0.05	1.5				4000	
875-MI0805M221R-10	0805	220	0.05	2.5				4000	
875-MI0805L301R-10	0805	300	0.1	2				4000	
875-MI0805K601R-10	0805	600	0.1	1.5				4000	
875-MI0805J102R-10	0805	1000	0.15	1				4000	
875-MI1206K260R-10	1206	26	0.06	1.5				3000	
875-MI1206K310R-10	1206	31	0.045	1.5				3000	
875-MI1206K601R-10	1206	60	0.1	2				3000	
875-MI1206K900R-10	1206	90	0.08	1.5				3000	
875-MI1206L391R-10	1206	390	0.05	2				3000	
875-MI1206L501R-10	1206	500	0.06	2				3000	
875-MI1210K600R-10	1210	60	0.035	1.5				3000	
875-MI1806J800R-10	1806	78	0.03	1				2000	
875-MI1812K121R-10	1812	120	0.055	1.5				2500	
Low Frequency Chip Beads									
875-LF0805A252R-10	0805	1267	1.25	0.1				2000	
875-LF1206A302R-10	1206	915	1.05	0.1				3000	
875-LF1206C202R-10	1206	915	0.5	0.3				3000	
875-LF1206E152R-10	1206	950	0.3	0.5				3000	
High Impedance Chip Beads									
875-HZ0402A601R-10	0402	600	1	0.1				10000	
875-HZ0402B102R-10	0402	1000	1	0.2				10000	
875-HZ0402A152R-10	0402	1500	2	0.05				10000	
875-HZ0603C601R-10	0603	600	0.45	0.3				4000	
875-HZ0603C651R-10	0603	650	0.6	0.3				4000	
875-HZ0603B751R-10	0603	750	0.6	0.2				4000	
875-HZ0603B102R-10	0603	1000	0.8	0.2				4000	
875-HZ0603B112R-10	0603	1100	0.8	0.2				4000	
875-HZ0603A152R-10	0603	1500	0.9	0.1				4000	
875-HZ0603A182R-10	0603	1800	1.5	0.05				4000	
875-HZ0603A222R-10	0603	2200	1.5	0.1				4000	
875-HZ0603A252R-10	0603	2500	1.5	0.05				4000	
875-HZ0805G471R-10	0805	470	0.35	0.7				4000	
875-HZ0805E601R-10	0805	600	0.3	0.5				4000	
875-HZ0805D102R-10	0805	1000	0.35	0.4				4000	
875-HZ0805D152R-10	0805	1500	0.4	0.4				4000	
875-HZ0805C202R-10	0805	2000	0.5	0.3				4000	
875-HZ0805B222R-10	0805	2200	0.8	0.2				4000	
875-HZ0805B272R-10	0805	2700	0.8	0.2				4000	
875-HZ1206E601R-10	1206	600	0.3	0.5				3000	
875-HZ1206C202R-10	1206	950	0.5	0.3				3000	
875-HZ1206D102R-10	1206	1000	0.4	0.4				3000	
875-HZ1206E152R-10	1206	1500	0.3	0.5				3000	
875-HZ1806K102R-10	1806	1000	0.15	1.5				2000	

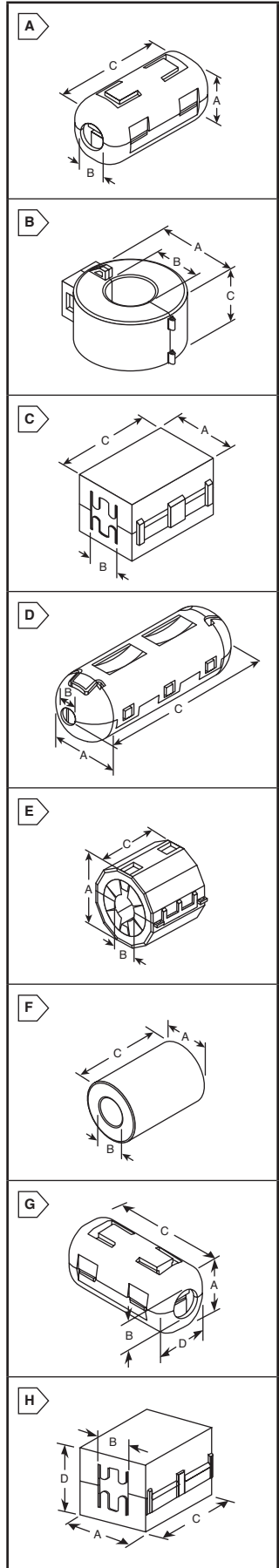
SNAP-ON EMI FERRITE CLAMP FILTERS IN PLASTIC CASES

Features:

- For retrofit and post assembly usages
- Excellent common and differential mode EMI suppression
- Black or white plastic snap-on cases provide secure closure
- For round cables and wire bundles

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 100MHz	Maximum Cable Diameter	Dimensions: mm			Case Color	Price Each			
					A	B	C		1	10	50	100
875-28A0350-0B2	28A0350-0B2	A	240	3.50	13.00	3.50	25.20	Black				
875-28A0392-0A0	28A0392-0A0	A	170	4.75	13.72	5.44	30.56	White				
875-28A0392-0A2	28A0392-0A2	A	170	4.75	13.72	5.44	30.56	Black				
875-28A2026-0A2	28A2026-0A2	A	270	6.35	21.00	6.80	41.70	Black				
875-28A2736-0A2	28A2736-0A2	A	220	8.90	19.70	9.00	35.10	Black				
875-28A0640-0A2	28A0640-0A2	A	240	8.95	19.90	9.80	41.40	Black				
875-28A3851-0A2	28A3851-0A2	A	260	12.85	30.00	13.00	33.70	Black				
875-28A2005-0A2	28A2005-0A2	B	190	2.50	13.00	5.00	23.50	Black				
875-28A2307-0A2	28A2307-0A2	B	183	7.00	16.50	7.00	30.50	Black				
875-28A2738-0A0	28A2738-0A0	B	233	8.00	19.70	9.00	35.10	White				
875-28A2738-0A2	28A2738-0A2	B	233	8.00	19.70	9.00	35.10	Black				
875-28A2432-0A2	28A2432-0A2	B	160	8.05	19.20	8.20	19.90	Black				
875-28A2809-0A2	28A2809-0A2	B	220	9.00	16.00	9.00	28.00	Black				
875-28A3039-0A2	28A3039-0A2	B	130	10.15	24.55	10.20	13.60	Black				
875-28A2913-0A2	28A2913-0A2	B	177	13.00	23.50	13.06	36.25	Black				
875-28A4155-0A2	28A4155-0A2	B	120	13.55	28.80	13.60	15.40	Black				
875-28A1507-0A2	28A1507-0A2	B	123	22.00	15.00	7.00	18.00	Black				
875-28A2025-0A0	28A2025-0A0	C	320	6.35	18.15	7.05	32.50	White				
875-28A2025-0A2	28A2025-0A2	C	320	6.45	18.15	7.05	32.50	Black				
875-28A2029-0A0	28A2029-0A0	C	250	9.95	22.28	10.00	32.77	White				
875-28A2029-0A2	28A2029-0A2	C	250	9.95	22.28	10.00	32.77	Black				
875-28A2024-0A0	28A2024-0A0	C	280	12.85	29.00	13.00	32.50	White				
875-28A0592-0A2	28A0592-0A2	D	572	4.40	18.75	5.04	53.39	Black				
875-28A0434-0A2	28A0434-0A2	D	227	5.05	14.71	5.44	42.88	Black				
875-28A0593-0A2	28A0593-0A2	D	407	6.50	18.75	6.75	52.91	Black				
875-28A5131-0A2	28A5131-0A2	E	425	25.40	56.64	19.50	45.00	Black				



ROUND AND CYLINDRICAL FERRITE EMI SUPPRESSION CORES

Features:

- Excellent common and differential mode EMI suppression
- For round cables and wire bundles
- Broadband performance
- Impedance value is NET impedance of the ferrite core only

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 100MHz (Ω)	Dimensions: mm			Price Each			
				A	B	C	1	10	50	100
875-28B0268-000	28B0268-000	F	138	6.78	3.99	14.22				
875-28B0375-100	28B0375-100	F	154	9.53	5.08	14.48				
875-28B0375-300	28B0375-300	F	194	9.53	5.08	19.05				
875-28B0485-000	28B0485-000	F	320	12.32	4.88	25.40				
875-28B0500-100	28B0500-100	F	83	12.70	7.92	6.35				
875-28B0562-200	28B0562-200	F	317	14.27	6.35	28.58				
875-28B0563-200	28B0563-200	F	287	14.27	7.26	28.57				
875-28B0625-100	28B0625-100	F	280	15.88	7.87	28.58				
875-28B0631-100	28B0631-100	F	243	16.00	9.25	28.00				
875-28B0672-000	28B0672-000	F	245	17.07	8.76	25.40				
875-28B0686-000	28B0686-000	F	91	17.42	9.52	6.35				
875-28B0686-100	28B0686-100	F	139	17.42	9.52	12.70				
875-28B0686-200	28B0686-200	F	242	17.42	9.52	28.58				
875-28B0734-000	28B0734-000	F	229	18.67	11.18	28.58				
875-28B0735-000	28B0735-000	F	250	18.67	10.16	28.58				
875-28B0870-100	28B0870-100	F	122	22.10	13.72	12.70				
875-28B1000-000	28B1000-000	F	151	25.40	12.70	12.70				
875-28B1020-100	28B1020-100	F	276	25.91	12.83	28.58				
875-28B1122-100	28B1122-100	F	307	28.50	13.77	28.58				
875-28B1142-000	28B1142-000	F	85	29.01	19.00	7.49				

LAIRD HIGH FREQUENCY (300MHZ - 2GHZ) SPLIT/SNAP-ON FERRITE CORES FOR CABLES AND WIRING HARNESSSES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Net Impedance @ 500 MHz (Ω)	Net Impedance @ 800 MHz (Ω)	Max. Cable Dia. (mm)	Dimensions: mm				Case Color	Price Each			
						A	B	C	D		1	10	50	100
875-HFA100049-0A2	HFA100049-0A2	G	152	168	4.88	12.80	5.30	29.30	12.40	Black				
875-HFA150068-0A2	HFA150068-0A2	G	340	281	6.76	21.03	8.13	41.68	21.00	Black				
875-HFA163090-0A2	HFA163090-0A2	G	260	262	9.01	19.10	9.09	40.36	20.80	Black				
875-HFA150066-0A2	HFA150066-0A2	H	350	339	6.60	17.88	7.00	32.50	18.90	Black				
875-HFA187102-0A2	HFA187102-0A2	H	290	280	10.16	21.77	10.00	32.64	21.95	Black				
875-HFA259131-0A2	HFA259131-0A2	H	315	275	13.06	29.01	13.00	32.51	29.60	Black				



This product is RoHS compliant.

EMI ABSORBERS

Q-ZORB Series

This is a flexible elastomeric magnetic absorbing material. The material is designed to perform well for surface current attenuation. It can be used to lower the Q of cavities and reduce EMI. It is easily bonded using contact adhesives or it can be supplied with a pressure sensitive acrylic adhesive (PSA).

Features:

- Extremely tough and flexible
- Can be die-cut to a variety of shapes and components
- Supplied with pressure sensitive adhesives for ease of installation
- Designed for good surface current attenuation from 10GHz and beyond
- Useful in cavities to lower the Q and reduce suppress electromagnetic interference
- Performs well in millimeter wave applications
- Well suited to outdoor applications
- Useful for antenna interference reduction
- Withstands direct exposure to environment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Fig.	Dimensions	Thickness (nominal)	Weight lb/sq ft	Temperature Max (°F)	Price Each				
							1	10	25	50	100
739-2238-S	2238-S	A	4x6	0.20"	0.50	325					
739-2238-.25	2238-.25	A	12x12	0.20"	0.50	325					
739-2238	2238	A	24 x 24	0.20"	0.50	325					
739-2240-S	2240-S	A	4x6	0.60"	1.2	350					
739-2240-.25	2240-.25	A	12x12	0.60"	1.2	350					
739-2242-S	2242-S	A	4x6	0.125"	2.75	350					
739-2242-.25	2242-.25	A	12x12	0.125"	2.75	350					
739-2388-S	2388-S	A	4x6	0.040"	0.94	220					
739-2388-.25	2388-.25	A	12x12	0.040"	0.94	220					
739-2388	2388	A	24 x 24	0.040"	0.94	220					

CA 19 Series

CA 19 is a product having a high volume percentage of shaped magnetic particles in a halogen-free and lead-free polymeric binder, having better magnetic properties than conventional products. It provides excellent EMI reduction at low frequencies.

Features:

- Flame-resistance UL94 V-0
- Absorption performance from 50MHz to 3GHz
- Available sheet ranging .006" and .020" thickness
- High flexibility and applicable for any optional shape
- Pressure sensitive adhesive for ease of application
- Can be die-cut to specific shapes

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Fig.	Dimensions	Thickness (nominal)	Price Each				
					1	10	25	50	100
739-3535-S	3535-S	B	4x6	0.006"					
739-3535	3535	B	12 x 13	0.006"					
739-3536-S	3536-S	B	4x6	0.020"					
739-3536	3536	B	12 x 13	0.020"					

RF Foam-RFLS

PN 5092 is a lightweight lossy foam sheet absorber, which achieves a broad frequency range of dielectric loss through a carbon coating. RFLS-28 can be used to lower the Q of cavities and attenuate surface waves. The material can be produced in a variety of sizes and can easily be die cut to customer shapes. RFLS-28 can be bonded or mechanically attached into place.

PN 5206 is a lightweight lossy foam sheet absorber, which achieves a broad frequency range of dielectric loss through a carbon coating. 5206 has no sulfur in its formulation.

Features: 5092 and 5206

- Extremely lightweight and flexible
- Broadband performance
- Excellent for radome applications and antenna enclosures
- Temperature range: -85°F - 250°F

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Fig.	Dimensions	Thickness (nominal)	Price Each				
					1	10	25	100	250
739-5092-S	5092-S	C	4x6	0.25"					
739-5092-.25	5092-.25	C	12x12	0.25"					
739-5092	5092	C	24X24	0.25"					
739-5206-S	5206-S	C	4x6	0.125"					
739-5206-.25	5206-.25	C	12x12	0.125"					
739-5206	5206	C	24X24	0.125"					

PN 4106 Series

PN 4106 is an open celled reticulated foam absorber. The material is extremely lightweight and provides broadband reflectivity reduction. It is used for antenna reflection reduction where broadband reduction coupled with lightweight is required. The material can be produced in a variety of sizes and can be bonded or mechanically attached into place.

Features:

- Extremely lightweight and flexible
- Broadband -20 dB performance
- Excellent for radome applications and antenna enclosures
- Meets UL94-V0 requirements. ROHS compliant.
- Useful in anechoic chambers to cover pedestals and equipment
- 1/2" Thick

MOUSER STOCK NO.	Laird Tech Part No.	Fig.	Dimensions	Thickness (nominal)	Price Each				
					1	10	25	50	100
739-4106-S	4106-S	D	4 x 6	.050"					
739-4106-.25	4106-.25	D	12 x 12	.050"					
739-4106	4106	D	24 x 24	.050"					

MICROWAVE ABSORBERS KIT

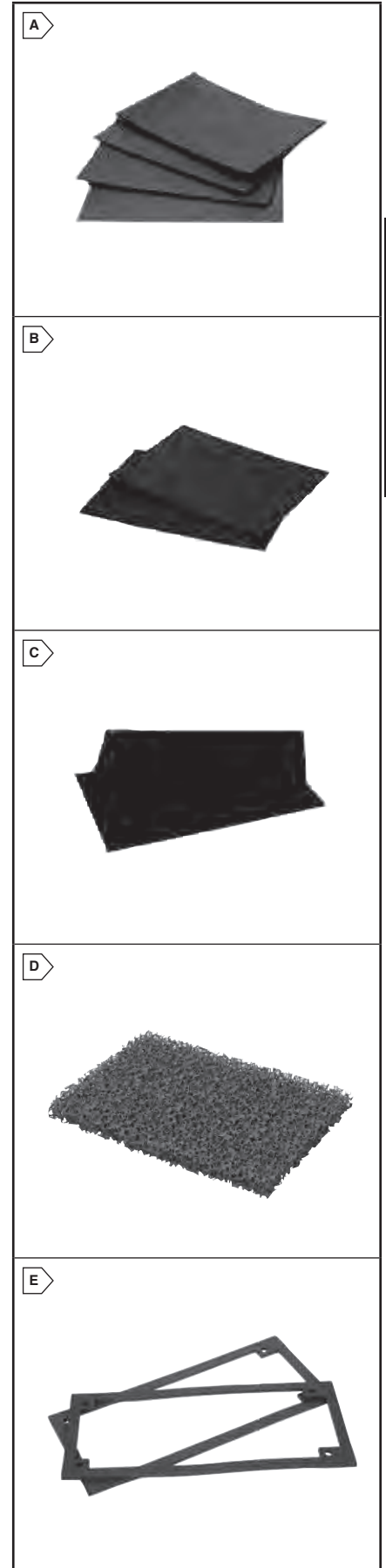
MOUSER STOCK NO.	Laird Tech Part No.	Description	Price Each
739-6999	6999	Q Zorb™ and RF foam Kit, 8 pieces	

ECE SILICONE GASKETS

Features:

- Utilizes both conductive and non-conductive materials
- Provides stronger environmental shielding to the outside of gaskets due to pure silicone
- Retains strong EMI protection
- Cost-effective solution
- Able to extrude in various sizes and profiles

MOUSER STOCK NO.	Laird Tech Part No.	Fig.	Dimensions	Thickness (nominal)	ECE Name	Price Each				
						1	2	5	10	20
739-8860-0045-324-72	8860-0045-324-72	E	18 x 18	0.045	72					
739-8860-0045-324-80	8860-0045-324-80	E	18 x 18	0.045	80					
739-8860-0045-324-81	8860-0045-324-81	E	18 x 18	0.045	81					
739-8860-0045-324-85	8860-0045-324-85	E	18 x 18	0.045	85					
739-8860-0045-324-89	8860-0045-324-89	E	18 x 18	0.045	89					
739-88600045-324-100	8860-0045-324-100	E	18 x 18	0.045	100					
739-8860-0062-324-72	8860-0062-324-72	E	18 x 18	0.062	72					
739-8860-0062-324-80	8860-0062-324-80	E	18 x 18	0.062	80					
739-8860-0062-324-81	8860-0062-324-81	E	18 x 18	0.062	81					
739-8860-0062-324-85	8860-0062-324-85	E	18 x 18	0.062	85					
739-8860-0062-324-89	8860-0062-324-89	E	18 x 18	0.062	89					
739-88600062-324-100	8860-0062-324-100	E	18 x 18	0.062	100					



EMI Suppression Laird Technologies

MURATA EMI Suppression Filters (EMIFIL®) Chip Ferrite Beads



RoHS Compliant This product is RoHS compliant.

BLM_A SERIES

BLM_A series generates an impedance from the relatively low frequencies. Therefore, BLM_A series is effective in noise suppression in a wide frequency range.

Features:

- Suitable for flow and reflow soldering
- Wide temperature range: -55°C to +125°C
- High Z characteristics

Applications:

- I/O ports, DC power lines, and signal lines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Impedance (@100MHz) (Ω)	Rated Current (mA)	Rdc Max. (Ω)	Category	Price Each			
							1	100	500	1000
81-BLM03AX100SN1D	BLM03AX100SN1D	0201	10	1000	0.05	Standard				
81-BLM03AX800SN1D	BLM03AX800SN1D	0201	80	500	0.18	Standard				
81-BLM03AX121SN1D	BLM03AX121SN1D	0201	120	450	0.23	Standard				
81-BLM03AX241SN1D	BLM03AX241SN1D	0201	240	350	0.38	Standard				
81-BLM03AG601SN1D	BLM03AG601SN1D	0201	600	100	1.5	Standard				
81-BLM03AX601SN1D	BLM03AX601SN1D	0201	600	250	0.85	Standard				
81-BLM03AX102SN1D	BLM03AX102SN1D	0201	1000	200	1.25	Standard				
81-BLM15AX100SN1D	BLM15AX100SN1D	0603	10	1740	0.015	Automotive				
81-BLM15AX700SN1D	BLM15AX700SN1D	0603	70	780	0.1	Automotive				
81-BLM15AX121SN1D	BLM15AX121SN1D	0603	120	680	0.13	Automotive				
81-BLM18AG121SH1D	BLM18AG121SH1D	0603	120	200	0.20	Automotive				
81-BLM18AG151SH1D	BLM18AG151SH1D	0603	150	200	0.25	Automotive				
81-BLM15AX221SN1D	BLM15AX221SN1D	0603	220	580	0.18	Automotive				
81-BLM18AG221SH1D	BLM18AG221SH1D	0603	220	200	0.30	Automotive				
81-BLM18AG471SH1D	BLM18AG471SH1D	0603	470	200	0.50	Automotive				
81-BLM15AX601SN1D	BLM15AX601SN1D	0603	600	420	0.34	Automotive				
81-BLM18AG601SH1D	BLM18AG601SH1D	0603	600	200	0.50	Automotive				
81-BLM15AX102SN1D	BLM15AX102SN1D	0603	1000	350	0.49	Automotive				
81-BLM18AG102SH1D	BLM18AG102SH1D	0603	1000	100	0.70	Automotive				
81-BLM21AF121SH1D	BLM21AF121SH1D	0805	120	200	0.15	Automotive				
81-BLM21AF121S	BLM21AF121SN1D	0805	120	200	0.15	Standard				
81-BLM21AG121SH1D	BLM21AG121SH1D	0805	120	200	0.15	Automotive				
81-BLM21AG151SH1D	BLM21AG151SH1D	0805	150	200	0.15	Automotive				
81-BLM21AG471SH1D	BLM21AG471SH1D	0805	470	200	0.25	Automotive				
81-BLM21AG601SH1D	BLM21AG601SH1D	0805	600	200	0.30	Automotive				
81-BLM21AJ601SH1D	BLM21AJ601SH1D	0805	600	200	0.30	Automotive				
81-BLM21AJ601S	BLM21AJ601SN1D	0805	600	200	0.30	Standard				
81-BLM21AG102SH1D	BLM21AG102SH1D	0805	1000	200	0.45	Automotive				
81-BLM21AH102SH1D	BLM21AH102SH1D	0805	1000	200	0.45	Automotive				
81-BLM21A102S	BLM21AH102SN1D	0805	1000	200	0.45	Standard				
81-BLM31AJ260SH1L	BLM31AJ260SH1L	1206	26	500	0.05	Automotive				
81-BLM31A260S	BLM31AJ260SN1L	1206	26	500	0.05	Standard				
81-BLM31AF700SH1L	BLM31AF700SH1L	1206	70	200	0.15	Automotive				
81-BLM31A700S	BLM31AF700SN1L	1206	70	200	0.15	Standard				
81-BLM31AJ601SH1L	BLM31AJ601SH1L	1206	600	200	0.90	Automotive				
81-BLM31A601S	BLM31AJ601SN1L	1206	600	200	0.90	Standard				
81-BLM41A800S	BLM41AF800SN1L	1806	80	500	0.10	Standard				
81-BLM41AF151SH1L	BLM41AF151SH1L	1806	150	200	0.50	Automotive				
81-BLM41A151S	BLM41AF151SN1L	1806	150	200	0.50	Standard				

BLM_B SERIES DESIGNED FOR HIGH SPEED SIGNALS

BLM_B series can minimize attenuation of the signal waveform due to its sharp impedance characteristics.

Features:

- Suitable for flow and reflow soldering
- Operating temperature: -55°C to +125°C
- High impedance characteristics

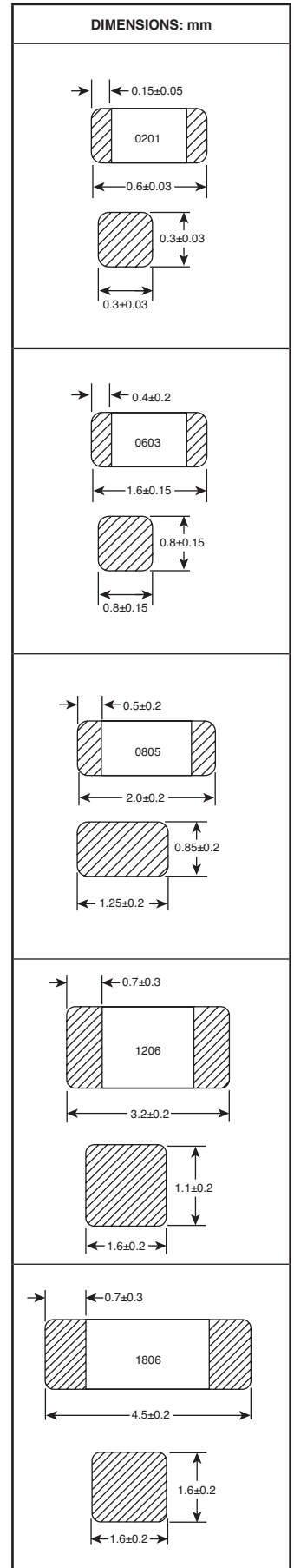
- Designed to reduce noise above operating frequencies from 10 to 100MHz

Applications:

- Computers and peripheral equipment
- Consumer products
- High speed circuits

For quantities greater than listed, call for quote.

81-BLM18BA050SH1D	BLM18BA050SH1D	0603	5	500	0.20	Automotive				
81-BLM18BB050SH1D	BLM18BB050SH1D	0603	5	700	0.10	Automotive				
81-BLM18BA100SH1D	BLM18BA100SH1D	0603	10	500	0.20	Automotive				
81-BLM18BB100SH1D	BLM18BB100SH1D	0603	10	500	0.15	Automotive				
81-BLM18BA220SH1D	BLM18BA220SH1D	0603	22	500	0.35	Automotive				
81-BLM18BB220SH1D	BLM18BB220SH1D	0603	22	500	0.25	Automotive				
81-BLM18BA470SH1D	BLM18BA470SH1D	0603	47	300	0.55	Automotive				
81-BLM18BB470SH1D	BLM18BB470SH1D	0603	47	500	0.30	Automotive				
81-BLM18BB600SH1D	BLM18BB600SH1D	0603	60	200	0.35	Automotive				
81-BLM18BB750SH1D	BLM18BB750SH1D	0603	75	200	0.35	Automotive				
81-BLM18BA750SH1D	BLM18BA750SH1D	0603	75	300	0.70	Automotive				
81-BLM18BA121SH1D	BLM18BA121SH1D	0603	120	200	0.90	Automotive				
81-BLM18BB121SH1D	BLM18BB121SH1D	0603	120	200	0.50	Automotive				
81-BLM18BD121SH1D	BLM18BD121SH1D	0603	120	200	0.40	Automotive				
81-BLM18BB141SH1D	BLM18BB141SH1D	0603	140	200	0.55	Automotive				
81-BLM18BB151SH1D	BLM18BB151SH1D	0603	150	200	0.55	Automotive				
81-BLM18BD151SH1D	BLM18BD151SH1D	0603	150	200	0.40	Automotive				
81-BLM18BB221SH1D	BLM18BB221SH1D	0603	220	200	0.65	Automotive				
81-BLM18BD221SH1D	BLM18BD221SH1D	0603	220	200	0.45	Automotive				
81-BLM18BB331SH1D	BLM18BB331SH1D	0603	330	200	0.75	Automotive				
81-BLM18BD331SH1D	BLM18BD331SH1D	0603	330	200	0.50	Automotive				
81-BLM18BD421SH1D	BLM18BD421SH1D	0603	420	200	0.55	Automotive				
81-BLM18BB471SH1D	BLM18BB471SH1D	0603	470	50	1.00	Automotive				
81-BLM18BD471SH1D	BLM18BD471SH1D	0603	470	200	0.55	Automotive				
81-BLM18BD601SH1D	BLM18BD601SH1D	0603	600	200	0.65	Automotive				
81-BLM18BD102SH1D	BLM18BD102SH1D	0603	1000	100	0.85	Automotive				
81-BLM18BD152SH1D	BLM18BD152SH1D	0603	1500	50	1.20	Automotive				
81-BLM18BD182SH1D	BLM18BD182SH1D	0603	1800	50	1.50	Automotive				
81-BLM18BD222SH1D	BLM18BD222SH1D	0603	2200	50	1.50	Automotive				
81-BLM18BD252SH1D	BLM18BD252SH1D	0603	2500	50	1.50	Automotive				
81-BLM21BB050SH1D	BLM21BB050SH1D	0805	5	500	0.07	Automotive				
81-BLM21BB600SH1D	BLM21BB600SH1D	0805	60	200	0.20	Automotive				
81-BLM21BB750SH1D	BLM21BB750SH1D	0805	75	200	0.25	Automotive				
81-BLM21BB121SH1D	BLM21BB121SH1D	0805	120	200	0.25	Automotive				
81-BLM21BD121SH1D	BLM21BD121SH1D	0805	120	200	0.25	Automotive				
81-BLM21BB151SH1D	BLM21BB151SH1D	0805	150	200	0.25	Automotive				
81-BLM21BD151SH1D	BLM21BD151SH1D	0805	150	200	0.25	Automotive				
81-BLM21BB201SH1D	BLM21BB201SH1D	0805	200	200	0.35	Automotive				
81-BLM21BB221SH1D	BLM21BB221SH1D	0805	220	200	0.35	Automotive				
81-BLM21BD221SH1D	BLM21BD221SH1D	0805	220	200	0.25	Automotive				
81-BLM21BB331SH1D	BLM21BB331SH1D	0805	330	200	0.40	Automotive				
81-BLM21BD331SH1D	BLM21BD331SH1D	0805	330	200	0.30	Automotive				
81-BLM21BD421SH1D	BLM21BD421SH1D	0805	420	200	0.30	Automotive				
81-BLM21BB471SH1D	BLM21BB471SH1D	0805	470	200	0.45	Automotive				
81-BLM21BD471SH1D	BLM21BD471SH1D	0805	470	200	0.35	Automotive				
81-BLM21BD601SH1D	BLM21BD601SH1D	0805	600	200	0.35	Automotive				
81-BLM21BD751SH1D	BLM21BD751SH1D	0805	750	200	0.40	Automotive				
81-BLM21BD102SH1D	BLM21BD102SH1D	0805	1000	200	0.40	Automotive				
81-BLM21BD152SH1D	BLM21BD152SH1D	0805	1500	200	0.45	Automotive				
81-BLM21BD182SH1D	BLM21BD182SH1D	0805	1800	200	0.50	Automotive				
81-BLM21BD222SH1L	BLM21BD222SH1L	0805	2200	200	0.60	Automotive				
81-BLM21BD222TH1D	BLM21BD222TH1D	0805	2200	200	0.60	Automotive				
81-BLM21BD272SH1L	BLM21BD272SH1L	0805	2700	200	0.80	Automotive				



Murata EMI Suppression

MURATA EMI Suppression Filters (EMIFIL®) Chip Ferrite Beads



The chip ferrite beads BLM series comprises ferrite bead in the shape of a chip. This ferrite bead generates a high impedance which at high frequency mainly consists of a resistance element. The BLM series is effective in circuits without stable ground lines because the BLM series does not need a connection to ground. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.

RoHS Compliant This product is RoHS compliant.

BLM B SERIES DESIGNED FOR HIGH SPEED SIGNALS

The BLM B series can minimize attenuation of the signal waveform due to its sharp impedance characteristics.

Features:

- Designed to reduce noise above operating frequencies from 10 to 100MHz
- High impedance characteristics
- Suitable for flow and reflow soldering
- Operating temperature: -55°C to +125°C

Applications:

- Computers and peripheral equipment
- Consumer products
- High speed circuits

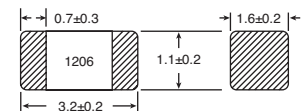
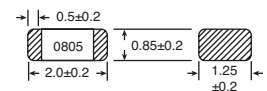
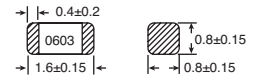
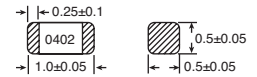


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Impedance (at 100MHz) (Ω)	Rated Current (mA)	Rdc Max. (Ω)	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
81-BLM15BB050SN1D	BLM15BB050SN1D	0402	5	500	.08					10000	
81-BLM15BB100SN1D	BLM15BB100SN1D	0402	10	300	.10					10000	
81-BLM15BB220SN1D	BLM15BB220SN1D	0402	22	300	.20					10000	
81-BLM15BB470SN1D	BLM15BB470SN1D	0402	47	300	.35					10000	
81-BLM15BB750SN1D	BLM15BB750SN1D	0402	75	300	.40					10000	
81-BLM15BB121SN1D	BLM15BB121SN1D	0402	120	300	.55					10000	
81-BLM15BB221SN1D	BLM15BB221SN1D	0402	220	200	.80					10000	
81-BLM15BD471SN1D	BLM15BD471SN1D	0402	470	200	.60					10000	
81-BLM15BD601SN1D	BLM15BD601SN1D	0402	600	200	.65					10000	
81-BLM15BD102SN1D	BLM15BD102SN1D	0402	1K	200	.90					10000	
81-BLM18BA050SN1D	BLM18BA050SN1D	0603	5	500	.20					4000	
81-BLM18BA100SN1D	BLM18BA100SN1D	0603	10	500	.25					4000	
81-BLM18BA220SN1D	BLM18BA220SN1D	0603	22	500	.35					4000	
81-BLM18BA470SN1D	BLM18BA470SN1D	0603	47	300	.55					4000	
81-BLM18BA750SN1D	BLM18BA750SN1D	0603	75	300	.70					4000	
81-BLM18BA121SN1D	BLM18BA121SN1D	0603	120	200	.90					4000	
81-BLM18BB050SN1D	BLM18BB050SN1D	0603	5	700	.10					4000	
81-BLM18BB100SN1D	BLM18BB100SN1D	0603	10	500	.15					4000	
81-BLM18BB220S	BLM18BB220SN1D	0603	22	500	.25					4000	
81-BLM18BB470SN1D	BLM18BB470SN1D	0603	47	500	.30					4000	
81-BLM18BB600S	BLM18BB600SN1D	0603	60	200	.35					4000	
81-BLM11B750S	BLM18BB750SN1D	0603	75	200	.35					4000	
81-BLM18BB121SN1D	BLM18BB121SN1D	0603	120	200	.50					4000	
81-BLM11B141S	BLM18BB141SN1D	0603	140	200	.55					4000	
81-BLM18BB151SN1D	BLM18BB151SN1D	0603	150	200	.55					4000	
81-BLM18BB221SN1D	BLM18BB221SN1D	0603	220	200	.65					4000	
81-BLM18BB331SN1D	BLM18BB331SN1D	0603	330	200	.75					4000	
81-BLM18BB471SN1D	BLM18BB471SN1D	0603	470	50	1.0					4000	
81-BLM18BD121SN1D	BLM18BD121SN1D	0603	120	200	.40					4000	
81-BLM18BD151SN1D	BLM18BD151SN1D	0603	150	200	.40					4000	
81-BLM18BD221SN1D	BLM18BD221SN1D	0603	220	200	.45					4000	
81-BLM18BD331SN1D	BLM18BD331SN1D	0603	330	200	.50					4000	
81-BLM11B421S	BLM18BD421SN1D	0603	420	200	.55					4000	
81-BLM18BD471SN1D	BLM18BD471SN1D	0603	470	200	.55					4000	
81-BLM11B601S	BLM18BD601SN1D	0603	600	200	.65					4000	
81-BLM18BD102SN1D	BLM18BD102SN1D	0603	1K	100	.85					4000	
81-BLM18BD152SN1D	BLM18BD152SN1D	0603	1.5K	50	1.2					4000	
81-BLM18BD182SN1D	BLM18BD182SN1D	0603	1.8K	50	1.5					4000	
81-BLM18BD222SN1D	BLM18BD222SN1D	0603	2.2K	50	1.5					4000	
81-BLM18BD252SN1D	BLM18BD252SN1D	0603	2.5K	50	1.5					4000	
81-BLM21B050S	BLM21BB050SN1D	0805	5	500	.07					4000	
81-BLM21BB600SN1D	BLM21BB600SN1D	0805	60	200	.20					4000	
81-BLM21B750S	BLM21BB750SN1D	0805	75	200	.25					4000	
81-BLM21B121S	BLM21BB121SN1D	0805	120	200	.25					4000	
81-BLM21BB151SN1D	BLM21BB151SN1D	0805	150	200	.25					4000	
81-BLM21B201S	BLM21BB201SN1D	0805	200	200	.35					4000	
81-BLM21B221S	BLM21BB221SN1D	0805	220	200	.35					4000	
81-BLM21BB331SN1D	BLM21BB331SN1D	0805	330	200	.40					4000	
81-BLM21BB471SN1D	BLM21BB471SN1D	0805	470	200	.45					4000	
81-BLM21BD121SN1D	BLM21BD121SN1D	0805	120	200	.25					4000	
81-BLM21BD151SN1D	BLM21BD151SN1D	0805	150	200	.25					4000	
81-BLM21BD221SN1D	BLM21BD221SN1D	0805	220	200	.25					4000	
81-BLM21BD331SN1D	BLM21BD331SN1D	0805	330	200	.30					4000	
81-BLM21BD421SN1D	BLM21BD421SN1D	0805	420	200	.30					4000	
81-BLM21BD471SN1D	BLM21BD471SN1D	0805	470	200	.35					4000	
81-BLM21B601S	BLM21BD601SN1D	0805	600	200	.35					4000	
81-BLM21B751S	BLM21BD751SN1D	0805	750	200	.40					4000	
81-BLM21B102S	BLM21BD102SN1D	0805	1000	200	.40					4000	
81-BLM21BD152SN1D	BLM21BD152SN1D	0805	1.5K	200	.45					4000	
81-BLM21BD182SN1D	BLM21BD182SN1D	0805	1.8K	200	.50					4000	
81-BLM21BD222TN1D	BLM21BD222TN1D	0805	2.2K	200	.60					4000	
81-BLM21B222S	BLM21BD222SN1L	0805	2200	200	.60					3000	
81-BLM21BD272SN1L	BLM21BD272SN1L	0805	2.7K	200	.80					3000	
81-BLM31B601S	BLM31BE601SN1L	1206	600	300	.35					3000	

DIMENSIONS: mm



EMI Suppression

Murata

MURATA EMI Suppression Filters (EMIFIL®) Chip Ferrite Beads



The chip ferrite beads BLM series comprises ferrite bead in the shape of a chip. This ferrite bead generates a high impedance which at high frequency mainly consists of a resistance element. The BLM series is effective in circuits without stable ground lines because the BLM series does not need a connection to ground. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.

This product is RoHS compliant.

BLM_A SERIES DESIGNED FOR STANDARD TYPE SIGNALS

BLM_A series generates an impedance from the relatively low frequencies. Therefore, BLM_A series is effective in noise suppression in a wide frequency range.

Features:

- Suitable for flow and reflow soldering
- Wide temperature range: -55°C to +125°C

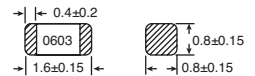
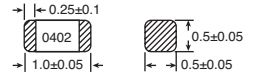
Applications:

- I/O ports, DC power lines, and signal lines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Impedance (at 100MHz) (Ω)	Rated Current (mA)	Rdc Max. (Ω)	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
81-BLM15AG100SN1D	BLM15AG100SN1D	0402	10	1000	.05					10000	
81-BLM15AG700SN1D	BLM15AG700SN1D	0402	70	500	.15					10000	
81-BLM15AG121SN1D	BLM15AG121SN1D	0402	120	500	.25					10000	
81-BLM15AG221SN1D	BLM15AG221SN1D	0402	220	300	.35					10000	
81-BLM15AG601SN1D	BLM15AG601SN1D	0402	600	300	.60					10000	
81-BLM15AG102SN1D	BLM15AG102SN1D	0402	1K	200	1.0					10000	
81-BLM18A121S	BLM18AG121SN1D	0603	120	200	.20					4000	
81-BLM18AG151SN1D	BLM18AG151SN1D	0603	150	200	.25					4000	
81-BLM11A221S	BLM18AG221SN1D	0603	220	200	.30					4000	
81-BLM18AG331SN1D	BLM18AG331SN1D	0603	330	200	.30					4000	
81-BLM18AG471SN1D	BLM18AG471SN1D	0603	470	200	.50					4000	
81-BLM11A601S	BLM18AG601SN1D	0603	600	200	.50					4000	
81-BLM11A102S	BLM18AG102SN1D	0603	1000	100	.70					4000	
81-BLM21AG350SN1D	BLM21AG350SN1D	0805	35	200	.15					4000	
81-BLM21AG121SN1D	BLM21AG121SN1D	0805	120	200	.15					4000	
81-BLM21AG151SN1D	BLM21AG151SN1D	0805	150	200	.15					4000	
81-BLM21AG221SN1D	BLM21AG221SN1D	0805	220	200	.20					4000	
81-BLM21AG331SN1	BLM21AG331SN1D	0805	330	200	.25					4000	
81-BLM21AG471SN1D	BLM21AG471SN1D	0805	470	200	.25					4000	
81-BLM21A601F	BLM21AG601SN1D	0805	600	200	.30					4000	
81-BLM21AG102SN1	BLM21AG102SN1D	0805	1000	200	.45					4000	

DIMENSIONS: mm



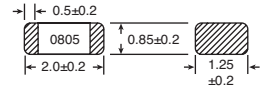
BLM_H SERIES DESIGNED FOR UHF APPLICATIONS

BLM18H series has a modified internal electrode structure, that minimizes stray capacitance and increases the effective frequency range.

- BLM18H series realizes high impedance at 1GHz and is suitable for noise suppression from 500MHz to GHz range
- HD-type for high-speed signal line provides a sharper roll-off after the cut off frequency
- The magnetic shielded structure minimizes cross talk
- Operating temperature: -55°C to +125°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Impedance (at 100MHz) (Ω)	Rated Current (mA)	Rdc Max. (Ω)	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
81-BLM15HD601SN1D	BLM15HD601SN1D	0402	600	300	.85					10000	
81-BLM15HD102SN1D	BLM15HD102SN1D	0402	1K	250	1.25					10000	
81-BLM15HG601SN1D	BLM15HG601SN1D	0402	600	300	.70					10000	
81-BLM15HG102SN1D	BLM15HG102SN1D	0402	1K	250	1.1					10000	
81-BLM18HB121SN1	BLM18HB121SN1D	0603	120	200	.50					4000	
81-BLM18HB221SN1D	BLM18HB221SN1D	0603	220	100	.80					4000	
81-BLM18HB331SN1D	BLM18HB331SN1D	0603	330	50	1.2					4000	
81-BLM18HD471SN1D	BLM18HD471SN1D	0603	470	100	1.2					4000	
81-BLM11HB601SD	BLM18HD601SN1D	0603	600	100	1.5					4000	
81-BLM11HB102SD	BLM18HD102SN1D	0603	1000	50	1.8					4000	
81-BLM11HA471SG	BLM18HG471SN1D	0603	470	200	.85					4000	
81-BLM11HA601SG	BLM18HG601SN1D	0603	600	200	1.0					4000	
81-BLM11HA102SG	BLM18HG102SN1D	0603	1000	100	1.6					4000	
81-BLM18HK331SN1	BLM18HK331SN1D	0603	330	200	.50					4000	
81-BLM18HK471SN1D	BLM18HK471SN1D	0603	470	200	.70					4000	
81-BLM18HK601SN1D	BLM18HK601SN1D	0603	600	100	.90					4000	
81-BLM18HK102SN1D	BLM18HK102SN1D	0603	1K	50	1.5					4000	



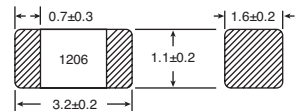
BLM_P SERIES DESIGNED FOR LOW DCR HIGH CURRENT CIRCUITS

BLM_P series can match power lines to a maximum of 6A DC

- Operating temperature: -55°C to +125°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Impedance (at 100MHz) (Ω)	Rated Current (mA)	Rdc Max. (Ω)	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
81-BLM03PG220SN1D	BLM03PG220SN1D	0603	22	900	0.065					15000	
81-BLM11P300S	BLM18PG300SN1D	0603	30	1000	0.05					4000	
81-BLM18PG330SN1D	BLM18PG330SN1D	0603	33	3000	0.025					4000	
81-BLM03PG330SN1D	BLM03PG330SN1D	0603	33	750	0.09					15000	
81-BLM11P600S	BLM18PG600SN1D	0603	60	500	0.10					4000	
81-BLM18PG121SN1D	BLM18PG121SN1D	0603	120	2000	0.05					4000	
81-BLM18PG181SN1D	BLM18PG181SN1D	0603	180	1500	0.09					4000	
81-BLM21PG220SN1D	BLM21PG220SN1D	0805	22	6000	0.01					4000	
81-BLM21P300S	BLM21PG300SN1D	0805	30	3000	0.015					4000	
81-BLM21P600S	BLM21PG600SN1D	0805	60	3000	0.025					4000	
81-BLM21P221SG	BLM21PG221SN1D	0805	220	2000	0.05					4000	
81-BLM21P331SG	BLM21PG331SN1D	0805	330	1500	0.09					4000	
81-BLM31P330S	BLM31PG330SN1L	1206	33	6000	0.01					3000	
81-BLM31P500S	BLM31PG500SN1L	1206	50	3000	0.025					3000	
81-BLM31PG121SN1L	BLM31PG121SN1L	1206	120	3000	0.025					3000	
81-BLM31P391S	BLM31PG391SN1L	1206	390	2000	0.05					3000	
81-BLM31PG601SN1	BLM31PG601SN1L	1206	600	1500	0.09					3000	
81-BLM41P600S	BLM41PG600SN1L	1806	60	6000	0.01					2500	
81-BLM41P750S	BLM41PG750SN1L	1806	75	3000	0.025					2500	
81-BLM41PG101SN1L	BLM41PG101SN1L	1806	100	3000	0.025					2500	
81-BLM41P181S	BLM41PG181SN1L	1806	180	3000	0.025					2500	
81-BLM41PG471SN1L	BLM41PG471SN1L	1806	470	2000	0.05					2500	
81-BLM41PG102SN1L	BLM41PG102SN1L	1806	1K	1500	0.09					2500	



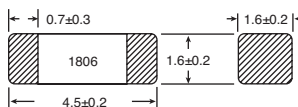
BLM_R SERIES DESIGNED FOR DIGITAL INTERFACE

Resistance of BLM_R series especially grows in the lower frequency range. Therefore BLM_R series is less effective for digital signal waveform at low frequency range and can suppress the ringing.

- Operating temperature: -55°C to +125°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Impedance (at 100MHz) (Ω)	Rated Current (mA)	Rdc Max. (Ω)	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
81-BLM18RK121SN1D	BLM18RK121SN1D	0603	120	200	.25					4000	
81-BLM18RK221SN1D	BLM18RK221SN1D	0603	220	200	.30					4000	
81-BLM18RK471SN1D	BLM18RK471SN1D	0603	470	200	.50					4000	
81-BLM18RK601SN1	BLM18RK601SN1D	0603	600	200	.60					4000	
81-BLM18RK102SN1D	BLM18RK102SN1D	0603	1K	200	.80					4000	
81-BLM21RK121SN1D	BLM21RK121SN1D	0805	120	200	.15					4000	
81-BLM21RK221SN1D	BLM21RK221SN1D	0805	220	200	.20					4000	
81-BLM21RK471SN1D	BLM21RK471SN1D	0805	470	200	.25					4000	
81-BLM21RK601SN1D	BLM21RK601SN1D	0805	600	200	.30					4000	
81-BLM21RK102SN1D	BLM21RK102SN1D	0805	1K	200	.50					4000	



Murata EMI Suppression

MURATA EMI Filters and Ferrite Beads



RoHS Compliant This product is RoHS compliant.

DS_6 SERIES DISC TYPE EMIFIL® LEADED EMI SUPPRESSION FILTER

DS_6 is a compact, high performance lead type EMI suppression filter which can be mounted 2.54mm pitch. Its three terminal structure enables nice high frequency performance.

Applications:

- Computer and peripherals interfaces
- Compact digital equipment
- Compact PPC, electronic typewriters, other electronic equipment and appliances
- Helps all electronic equipment and appliances meet FCC, VDE and CISPR regulations
- STD footprint for high density mounting



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Capacitance (pF)	Capacitor		Ferrite Beads	Current (A)	Price Each			
				Vdc	T.C.			1	100	250	500
Manufacturers Type DSN6 Series											
81-DS306Y5S470M50	DSN6NC51H470Q55B	A	47	50	20%	None	6				
81-DS306Y5S101M100	DSN6NC51H101Q55B	A	100	50	20%	None	6				
81-DS306F2103Z50	DSN6NZ81H103Q55B	A	10000	50	80%-20%	None	6				
Manufacturers Type DSS6 Series											
81-DSS306Y5S470M100	DSS6NC52A470Q55B	B	47	100	20%	Internal	6				
81-DSS306Y5S101M100	DSS6NC52A101Q55B	B	100	100	20%	Internal	6				
81-DSS306Y5S271M100	DSS6NC52A271Q55B	B	270	100	20%	Internal	6				
81-DSS306Y5S471M100	DSS6NC52A471Q55B	B	470	100	20%	Internal	6				
81-DSS306Y5S102M100	DSS6NC52A102Q55B	B	1000	100	20%	Internal	6				
81-DSS306Y5U222Z100	DSS6NE52A222Q55B	B	2200	100	80%-20%	Internal	6				

DS_9 SERIES DISC TYPE EMIFIL® LEADED EMI SUPPRESSION FILTER

Disc type EMIFIL®, DSS9 and DST9 are T-type EMI suppression filters. The disc-type EMIFIL increases the self-resonant frequency of the capacitor by attaching two lead wires to one of the electrodes of the capacitor and increases the insertion loss by adding inductance to the lead. Frequencies to be suppressed can be selected by choosing the capacitance. They are also recommended for use as by-pass capacitors.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Capacitance (pF)	Capacitor		Ferrite Beads	Current (A)	Price Each			
				Vdc	T.C.			1	100	250	500
Manufacturers Type DSS9 Series											
81-DSS310Y5S220M100	DSS9NC52A220Q55B	C	22	100	20%	Internal	7				
81-DSS310Y5S470M100	DSS9NC52A470Q55B	C	47	100	20%	Internal	7				
81-DSS310Y5S271M100	DSS9NC52A271Q55B	C	270	100	20%	Internal	7				
81-DSS310Y5S222M100	DSS9NC52A222Q55B	C	2200	100	20%	Internal	7				
81-DSS310BL222M100	DSS9NP32A222Q55B	C	2200	100	20%	Internal	7				
81-DSS310Y5S223S50	DSS9NC51H223Q55B	C	22000	50	50%-20%	Internal	7				
Manufacturers Type DST9 Series											
81-DST310Y5S271M100	DST9NC52A271Q55B	D	270	100	20%	External	7				
81-DST310Y5S222M100	DST9NC52A222Q55B	D	2200	100	20%	External	7				
81-DST310Y5S223S50	DST9NC51H223Q55B	D	22000	50	50%-20%	External	7				

BNX SERIES LEADED EMI FILTER LC COMBINED TYPE

The block type "EMIFIL" BNX Series incorporates through-type capacitor, multilayer chip capacitors and bead. The BNX is high performance for use in DC power circuits.

Applications:

- Noise suppression for DC power line of large screen display
- PDP
- LCD-TV

Features:

- The filter enables obtaining high insertion loss in wide frequency ranges from 0.5MHz to 1GHz
- The only one filter block enable noise suppression of both the positive and negative lines
- There are no connection routes in the current circuits, thus ensuring highly reliable performance



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Vdc	Withstand Voltage	Rated Current	Insulation Resistance (min.) (MΩ)	Price Each			
							1	10	25	50
81-BNX002-01	BNX002-01	E	50	125	10A	100				
81-BNX003-01	BNX003-01	E	150	375	10A	100				
81-BNX005-01	BNX005-01	F	50	125	15A	100				

BL01/02/03 SERIES FERRITE BEAD INDUCTORS

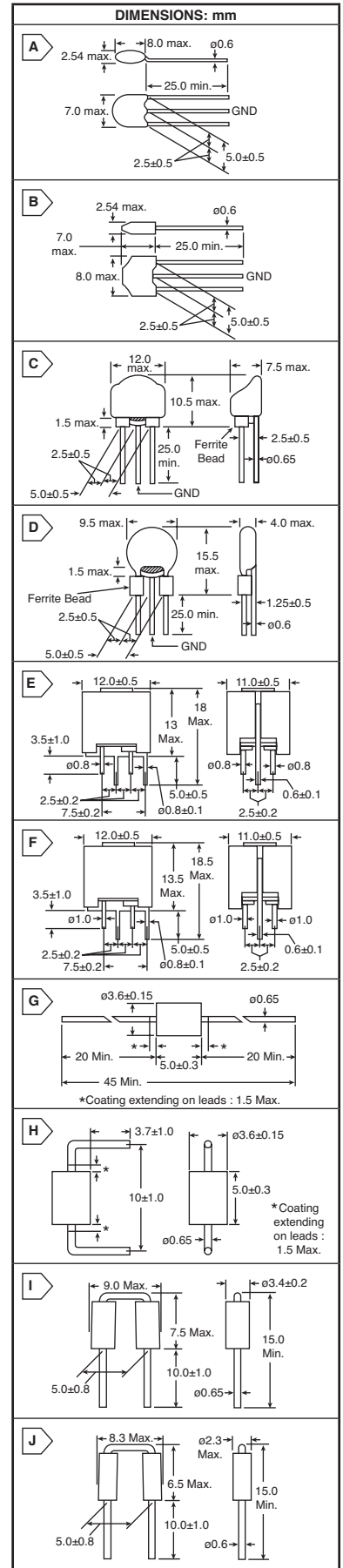
BL01/02/03 series are ferrite beads with lead wires to produce a high frequency loss for suppression of noise. Simple construction and easy-to-use, effective for low impedance circuits such as power supplies and grounds. Effective also for preventing overshoot and undershoot of digital signal in clocks or the like, and suppressing the higher harmonic wave. Suitable for prevention of abnormal oscillation at high frequency amplifying circuit.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Number of Beads Core	Rated Current	Price Each			
					1	50	100	500
81-BL01RN1A1D2B	BL01RN1A1D2B	G	1	7A				
81-BL01RN1A2A2B	BL01RN1A2A2B	H	1	7A				
81-BL02RN2R1M2B	BL02RN2R1M2B	I	2	7A				
81-BL03RN2R1M1B	BL03RN2R1M1B	J	2	7A				



EMI Suppression

Murata

MURATA Chip Capacitor Type and LC Combined EMI Filters



CHIP CAPACITOR TYPE EMI FILTERS

NFM21CC Series - 0805 Case Size

The "EMIFIL" NFM21C series is a chip type three terminal EMI suppression filter. It can reduce residual inductance to an extremely low level making it excellent for noise suppression at high frequencies.

Applications:

- PCs and peripherals which emit high amounts of noise
- Compact size equipment such as PDA, PC card and mobile telecommunications equipment
- Severe EMI suppression and high impedance circuits such as digital circuits

Features:

- Three terminal structure enables high performance in high frequency range
- Uses original electrode structure which realizes excellent solderability

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (pF)	Volt (DC)	Rated Current (A)	Price Each			Reel Qty.	Price Per Piece
						1	100	500		
81-NFM21CC220U1H3D	NFM21CC220U1H3D	A	22	50	.7				4000	
81-NFM21CC470U1H3D	NFM21CC470U1H3D	A	47	50	.7				4000	
81-NFM21CC101U1H3D	NFM21CC101U1H3D	A	100	50	.7				4000	
81-NFM21CC221R1H3D	NFM21CC221R1H3D	A	220	50	.7				4000	
81-NFM21CC471R1H3D	NFM21CC471R1H3D	A	470	50	1.0				4000	
81-NFM21CC102R1H3D	NFM21CC102R1H3D	A	1000	50	1.0				4000	
81-NFM21CC222R1H3D	NFM21CC222R1H3D	A	2200	50	1.0				4000	
81-NFM21CC223R1H3D	NFM21CC223R1H3D	A	22000	50	2.0				4000	

NFM21PC Series - 0805 Case Size

NFM21P is a three terminal structure component. This product can be applied to large current DC power lines. NFM21P is suitable for noise suppression of DC power lines where relatively large current operates.

Features:

- The rated current of 4A is suitable for IC's individual power lines
- Murata's original internal electrode structure design realizes excellent EMI suppression effects from low frequency to high frequency

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (pF)	Volt (DC)	Rated Current (A)	Price Each			Reel Qty.	Price Per Piece
						1	100	500		
81-NFM21PC104R1E3D	NFM21PC104R1E3D	B	0.1	25	2				4000	
81-NFM21PC474R1C3D	NFM21PC474R1C3D	B	0.47	16	2				4000	
81-NFM21PC105B1A3D	NFM21PC105B1A3D	B	1	10	4				4000	

NFE31PT Series - 1206 Case Size

The "EMIFIL" NFE31P is a small size T-type circuit EMI suppression filter.

Features:

- Its large rated current of 6A and low voltage drop due to small DC resistance are suitable for DC power line use
- The feedthrough capacitor realizes excellent high frequency characteristics
- The structure incorporates built-in ferrite beads which minimize resonance with surrounding circuits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (pF)	Volt (DC)	Rated Current (A)	Price Each			Reel Qty.	Price Per Piece
						1	100	500		
81-NFE31PT220R1E9L	NFE31PT220R1E9L	C	22	25	6				2000	
81-NFE31PT470C1E9L	NFE31PT470C1E9L	C	47	25	6				2000	
81-NFE31PT101C1E9L	NFE31PT101C1E9L	C	100	25	6				2000	
81-NFE31PT221D1E9L	NFE31PT221D1E9L	C	220	25	6				2000	
81-NFE31PT471F1E9L	NFE31PT471F1E9L	C	470	25	6				2000	
81-NFE31PT152Z1E9L	NFE31PT152Z1E9L	C	1500	25	6				2000	
81-NFE31PT222Z1E9L	NFE31PT222Z1E9L	C	2200	25	6				2000	

NFM41PC Series - 1806 Case Size

The "EMIFIL" NFM41P series consists of three terminal structure. These components are able to be applied to large current DC power lines. NFM41P series are suitable in noise suppression in DC lines where relatively large currents operate.

Applications:

- Personal computers, word processors and peripherals
- Telephones, PCs, communication equipment, etc.
- Digital TVs, VCRs
- Telecommunications equipment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (pF)	Volt (DC)	Rated Current (A)	Price Each	Reel Qty.	Price Per Piece
81-NFM41PC204F1H	NFM41PC204F1H3L	D	0.2	50	2		4000	

NFE61PT Series - 2606 Case Size

Features:

- The NFE61PT series has large rated current of 2A and low voltage drop due to small DC resistance suitable for power line use
- The feedthrough capacitor realizes excellent high frequency characteristics
- The structure incorporates built-in ferrite beads which minimize resonance with surrounding circuits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (pF)	Volt (DC)	Rated Current (A)	Price Each			Reel Qty.	Price Per Piece
						1	100	500		
81-NFE61PT330B1H9L	NFE61PT330B1H9L	E	33	50	2				2500	
81-NFE61PT101Z1H9L	NFE61PT101Z1H9L	E	100	50	2				2500	
81-NFE61PT181B1H9L	NFE61PT181B1H9L	E	180	50	2				2500	
81-NFE61PT361B1H9L	NFE61PT361B1H9L	E	360	50	2				2500	
81-NFE61PT681B1H9L	NFE61PT681B1H9L	E	680	50	2				2500	
81-NFE61PT102E1H9L	NFE61PT102E1H9L	E	1000	50	2				2500	
81-NFE61PT472C1H9L	NFE61PT472C1H9L	E	4700	50	2				2500	

LC COMBINED CHIP EMIFIL

NFL18ST Series

The NFL18ST series is an EMI suppression filter for high speed signal lines, achieving T-type structure in 1.6x0.8mm size with Murata's multilayer technology.

Applications:

- Noise suppression for video signal lines (RGB lines) and high speed clock lines

Features:

- Steep insertion loss characteristics realize excellent noise suppression and prevent distortion of signal waveform
- By minimizing stray capacitance of inductor, achieves high performance in noise suppression in high frequency range

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Cut-Off Freq. (MHz)	Value (pF)	Inductance (nH)	Volt (DC)	Current (mA)	Price Each			Reel Qty.	Price Per Piece
								1	100	500		
81-NFL18ST507X1C3D	NFL18ST507X1C3D	F	500	10	43	16	200				4000	
81-NFL18ST307X1C3D	NFL18ST307X1C3D	F	300	18	62	16	200				4000	
81-NFL18ST157X1C3D	NFL18ST157X1C3D	F	150	32	140	16	100				4000	

NFL21SP Series

- Suppresses noise with little attenuation of the signal itself due to its steep filtering characteristics
- Murata's original internal structure design enables excellent noise suppression up to high frequencies

For quantities greater than listed, call for quote.

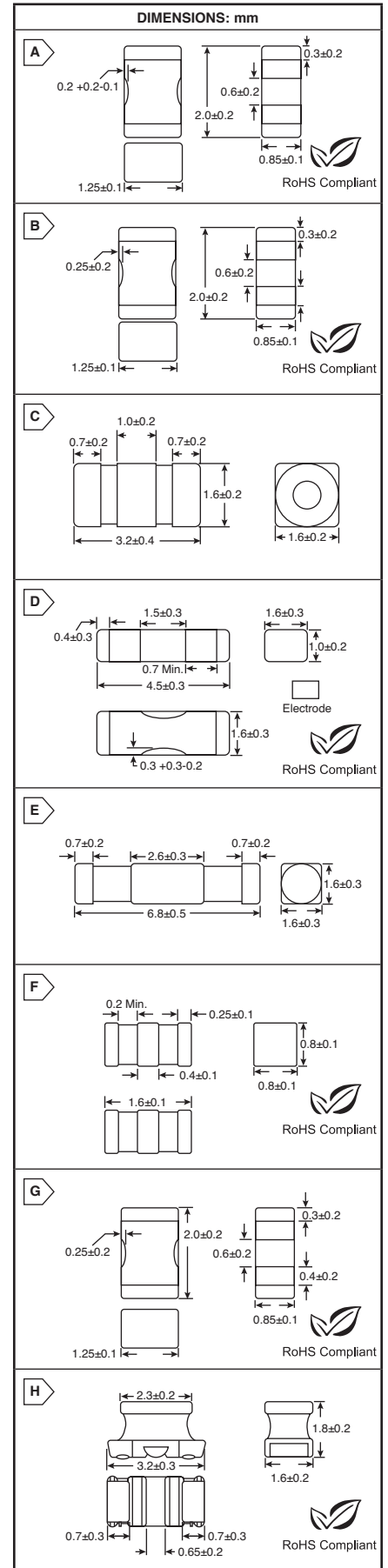
MOUSER STOCK NO.	Murata Part No.	Fig.	Cut-Off Freq. (MHz)	Value (pF)	Inductance (nH)	Volt (DC)	Current (mA)	Price Each			Reel Qty.	Price Per Piece
								1	100	500		
81-NFL21SP407X1C3D	NFL21SP407X1C3D	G	400	16	34	16	300				4000	
81-NFL21SP307X1C3D	NFL21SP307X1C3D	G	300	19	45	16	300				4000	
81-NFL21SP107X1C3D	NFL21SP107X1C3D	G	100	44	135	16	200				4000	
81-NFL21SP706X1C3D	NFL21SP706X1C3D	G	70	76	185	16	150				4000	
81-NFL21SP506X1C3D	NFL21SP506X1C3D	G	50	84	305	16	150				4000	

NFW31SP Series

The EMI filter NFW31S series consists of high performance EMI suppression filters. They are designed for noise suppression in high speed signal digital circuits in which the signal harmonics are prone to becoming noise sources. These filters achieve a 100dB/dec. (typ.) damping characteristic with Murata's innovative circuit design. This makes these chips effective in applications where the signal and noise frequencies are close to each other.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Nominal Cut-Off Freq. (MHz)	Attenuation @ MHz								Price Each			Reel Qty.	Price Per Piece
				20	50	100	200	400	500	1000	1	100	500			
81-NFW31SP206X1E4L	NFW31SP206X1E4L	H	20	6	5	25	25	-	30	30				2000		
81-NFW31SP506X1E4L	NFW31SP506X1E4L	H	50	-	6	10	30	-	30	30				2000		
81-NFW31SP207X1E4L	NFW31SP207X1E4L	H	200	-	-	-	6	-	10	30				2000		
81-NFW31SP407X1E4L	NFW31SP407X1E4L	H	400	-	-	-	-	6	-	10				2000		
81-NFW31SP507X1E4L	NFW31SP507X1E4L	H	500	-	-	-	-	-	6	10				2000		



Murata EMI Suppression

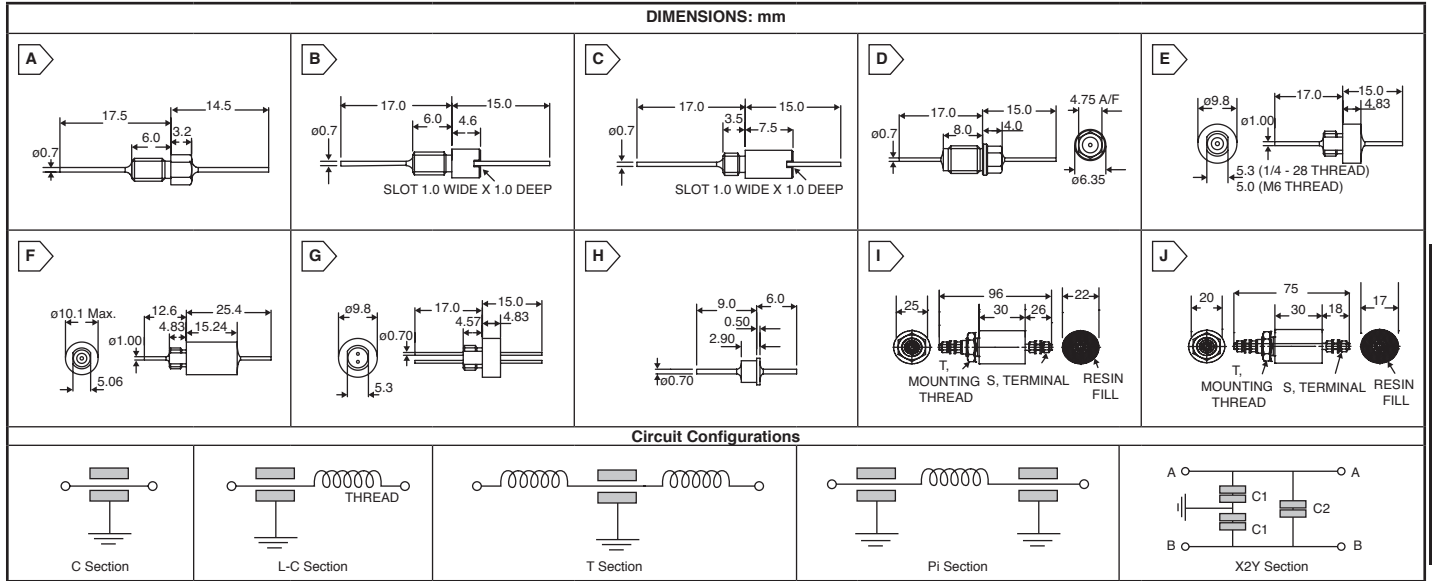
SYFER EMI Filters



This product is RoHS compliant.



DIMENSIONS: mm



The SYFER range of EMI/RFI panel mount filters is extensive, covering both threaded and solder-in panel mounting versions. The threaded types are available in both metric and non-metric threads.

At the heart of every SYFER "SF" filter is a discoidal multilayer ceramic element, manufactured using a unique "Wet Process". This gives a robust construction with higher capacitance values than traditional tubular types. Dielectric materials used include stable X7R types which ensures excellent insertion loss performance. Ultra stable COG versions are available on request. Syfer offers one of the highest capacitance values per case size - C, LC section up to 3.3uF, Pi section up to 6.6uF and maximum voltage ratings up to 3kV d.c



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Fig.	Value (uF)	Rated Voltage (DC)	Circuit	Head	Mounting	Typical no-load insertion loss when measured in a 50Ω system							Price Each			
								10kHz	100kHz	1MHz	10MHz	100MHz	1GHz	10GHz	1	10	25	50
Feedthrough EMI Filters																		
843-SFAAC5000682MX0	SFAAC5000682MX0	A	.0068	500	C	4 A/F	4-40 UNC	--	--	2	19	39	57	70+				
843-SFAAC2000683MX0	SFAAC2000683MX0	A	.068	200	C	4 A/F	4-40 UNC	--	2	19	39	54	70+	70+				
843-SFABC1000104MX1	SFABC1000104MX1	A	.1000	100	C	4 A/F	6-32 UNC	--	4	22	41	57	70+	70+				
843-SFKBC5000102MX0	SFKBC5000102MX0	B	.001	500	C	Ø4.4	6-32 UNC	--	--	4	23	41	70+	70+				
843-SFKBC2000683MX0	SFKBC2000683MX0	B	.068	200	C	Ø4.4	6-32 UNC	--	2	19	39	54	70+	70+				
843-SFKKT5000152MX0	SFKKT5000152MX0	C	.0015	500	T	Ø4.4	M3.5	--	--	--	10	30	50	70+				
843-SFKKT1000104MX0	SFKKT1000104MX0	C	.1000	100	T	Ø4.4	M3.5	--	4	22	46	62	70+	70+				
843-SFBCC5000222MX1	SFBCC5000222MX1	A	.0022	500	C	4.75 A/F	8-32 UNC	--	--	--	10	30	50	70+				
843-SFBCC1000104MX1	SFBCC1000104MX1	A	.1000	100	C	4.75 A/F	8-32 UNC	--	4	22	41	57	70+	70+				
843-SFBCL1000104MX1	SFBCL1000104MX1	A	.1000	100	L-C	4.75 A/F	8-32 UNC	--	4	22	44	60	70+	70+				
843-SFBLL1000223MX1	SFBLL1000223MX1	A	.0220	100	L-C	4.75 A/F	M4	--	--	10	38	48	68	70+				
843-SFBPL2000942ZX1	SFBPL2000942ZX1	A	.0094	200	Pi	4.75 A/F	M4	--	--	4	24	60	70+	70+				
843-SFBPC0500943ZX1	SFBPC0500943ZX1	A	.0094	50	Pi	4.75 A/F	8-32 UNC	--	2	18	57	70+	70+	70+				
843-SFBDT5000103MX1	SFBDT5000103MX1	D	.0100	500	T	4.75 A/F	12-32 UNEF	--	4	26	45	66	70+	70+				
843-SFBDT1000104MX1	SFBDT1000104MX1	D	.1000	100	T	4.75 A/F	12-32 UNEF	--	4	22	46	62	70+	70+				
843-SFBDP0500943MX1	SFBDP0500943MX1	D	.0094	50	Pi	4.75 A/F	12-32 UNEF	--	4	18	68	70+	70+	70+				
843-SFBDP1000204MX1	SFBDP1000204MX1	D	.2000	100	Pi	4.75 A/F	12-32 UNEF	--	10	27	70+	70+	70+	70+				
843-SFCIC5000103MX1	SFCIC5000103MX1	A	.0100	500	C	6.35 A/F	2BA	--	--	4	22	41	60	70+				
843-SFCML1000474MX1	SFCML1000474MX1	A	.4700	100	L-C	6.35 A/F	M5	1	16	35	55	68	70+	70+				
843-SFCDL1000224MX1	SFCDL1000224MX1	A	.2200	100	L-C	6.35 A/F	12-32 UNEF	--	10	29	49	62	70+	70+				
843-SFCDP5000942MX1	SFCDP5000942MX1	A	.0094	500	Pi	6.35 A/F	12-32 UNEF	--	--	4	27	68	70+	70+				
843-SFJNC5000104MX1	SFJNC5000104MX1	E	.1000	500	C	Ø9.8	M6	--	4	22	41	57	70+	70+				
843-SFJNL2K00103MX1	SFJNL2K00103MX1	E	.0100	2000	L-C	Ø9.8	M6	--	--	4	22	41	60	70+				
843-SFJNL1K00333MX1	SFJNL1K00333MX1	E	.0033	1000	L-C	Ø9.8	M6	--	--	13	34	50	68	70+				
843-SFJEC2K00332MX1	SFJEC2K00332MX1	E	.0033	2000	C	Ø9.8	1/4-28 UNF	--	--	13	33	52	70+	70+				
843-SFJEC1000225MX1	SFJEC1000225MX1	E	2.2	100	C	Ø9.8	1/4-28 UNF	10	29	48	66	70+	70+	70+				
843-SFJEL2000105MX1	SFJEL2000105MX1	E	1.0	200	L-C	Ø9.8	1/4-28 UNF	4	22	41	61	70+	70+	70+				
843-SFJEL1000155MX1	SFJEL1000155MX1	E	1.5	100	L-C	Ø9.8	1/4-28 UNF	7	25	45	64	70+	70+	70+				
843-SFJGP1K0136NMX1	SFJGP1K0136NMX1	F	.1360	1000	Pi	Ø10	1/4-28 UNF	--	8	20	70+	70+	70+	70+				
843-SFJGP5000664MX1	SFJGP5000664MX1	F	.6600	500	Pi	Ø10	1/4-28 UNF	2	17	54	70+	70+	70+	70+				
843-SFJGP1000445MX1	SFJGP1000445MX1	F	4.4	100	Pi	Ø10	1/4-28 UNF	14	30	70+	70+	70+	70+	70+				
X2Y (Balanced Line) Filters																		
843-SFJEB2000103MX1	SFJEB2000103MX1	G	.0100	200	X2Y	Ø9.8	1/4-28 UNF	--	--	--	--	--	--	--				
843-SFJEB2000104MX1	SFJEB2000104MX1	G	.1000	200	X2Y	Ø9.8	1/4-28 UNF	--	--	--	--	--	--	--				
Solder-In Panel Mount Filters																		
843-SFSRC0500103ZX0	SFSRC0500103ZX0	H	.0100	50	C	Ø3.2	ø2.8	--	--	4	22	41	60	70+				
843-SFSTC5000222MX0	SFSTC5000222MX0	H	.0022	500	C	Ø4.0	ø3.25	--	--	10	30	50	70+	70+				
843-SFSTC3000333MX0	SFSTC3000333MX0	H	.0030	300	C	Ø4.0	ø3.25	--	--	13	33	48	68	70+				
843-SFSUC5000103MX0	SFSUC5000103MX0	H	.0100	500	C	Ø6.5	ø5.6	--	--	4	22	41	60	70+				
843-SFSUC5000223MX0	SFSUC5000223MX0	H	.0220	500	C	Ø6.5	ø5.6	--	--	10	29	46	65	70+				

EMI POWER FILTERS

Utilizing plastic film technology, which offers the advantage of being self-healing, the "SL" range includes high ac and dc working voltage options along with parts designed and tested to meet the rigorous demands of EN132400/EN60950 safety specifications.



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Fig.	Value (nF)	Rated Voltage (DC)	Circuit	Rated Current (A)	Mounting	Thread Size	Typical no-load insertion loss when measured in a 50Ω system							Price Each		
									10kHz	30kHz	100kHz	1MHz	10MHz	100MHz	1GHz	1	5	10
843-SLGN6000804M11	SLGN6000804M11	I	800	600	C	100	M16x1	M4	-	12	22	42	50	82	90+			
843-SLGN4000205M11	SLGN4000205M11	I	2000	400	C	100	M16x1	M4	-	20	30	50	58	90+	90+			
843-SLDLC0630146M11	SLDLC0630146M11	J	14000	63	C	32	M12x1	M6	27	37	47	63	87	90+	90+			

SYFER SMD EMI and X2Y Filters



RoHS Compliant This product is RoHS compliant.

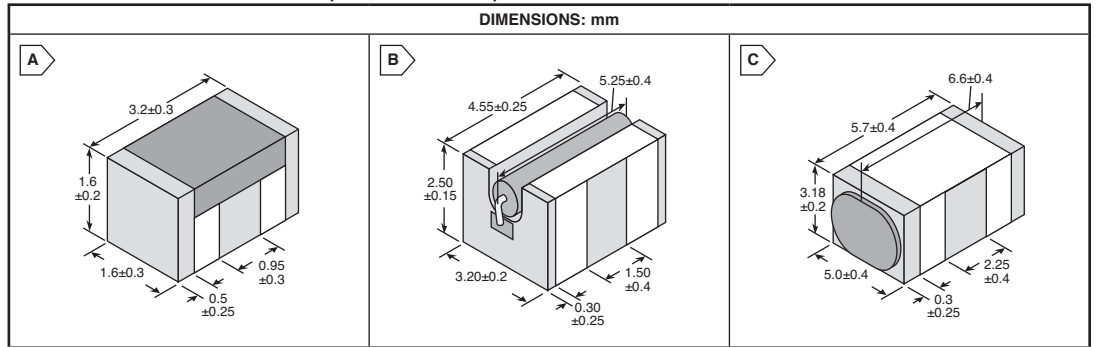
SMD EMI PI FILTERS

Features:

- Miniature SMD package
- X7R and C0G dielectrics
- EMI filtering performance up to 1GHz and higher
- Ideal for telecom, power supplies, and industrial equipment
- Also suitable for mil/aerospace applications

Specifications:

- Tolerance: 20%
- Temperature rating: -55°C to +125°C
- Rated current: 1Amp DC
- Ferrite inductance: 0.25uH(SBSP), 0.5uH (SBSG, SBSM)
- Max solder temperature: 220°C



SBSP Series (1 Amp)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Fig.	Cap Value	Volt (DC)	Dielectric	Price Each				Reel Quantity	Price Per Piece
						1	50	100	500		
843-SBSP1000101MC	SBSP1000101MCT	A	100pF	100	C0G					1500	
843-SBSP1000221MC	SBSP1000221MCT	A	220pF	100	C0G					1500	
843-SBSP1000471MC	SBSP1000471MCT	A	470pF	100	C0G					1500	
843-SBSP1000102MX	SBSP1000102MXT	A	1000pF	100	X7R					1500	
843-SBSP1000472MX	SBSP1000472MXT	A	.0047uF	100	X7R					1500	
843-SBSP1000103MX	SBSP1000103MXT	A	.01uF	100	X7R					1500	
843-SBSP0500473MX	SBSP0500473MXT	A	.047uF	50	X7R					1500	
843-SBSP0500683MX	SBSP0500683MXT	A	.068uF	50	X7R					1500	
843-SBSP0250104MX	SBSP0250104MXT	A	.1uF	25	X7R					1500	
843-SBSP0250154MX	SBSP0250154MXT	A	.15uF	25	X7R					1500	

SBSG Series (5 Amp)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Fig.	Cap Value	Volt (DC)	Dielectric	Price Each				Reel Quantity	Price Per Piece
						1	50	100	500		
843-SBSGP5000472MX	SBSGP5000472MXT	B	.0047uF	500	X7R					500	
843-SBSGP5000103MX	SBSGP5000103MXT	B	.01uF	500	X7R					500	
843-SBSGP2000683MX	SBSGP2000683MXT	B	.068uF	200	X7R					500	
843-SBSGP1000154MX	SBSGP1000154MXT	B	.15uF	100	X7R					500	
843-SBSGP0500224MX	SBSGP0500224MXT	B	.22uF	50	X7R					500	

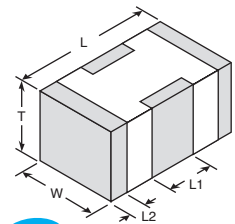
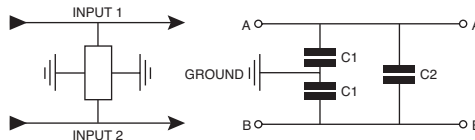
SBSM Series (10 Amp)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Fig.	Cap Value	Volt (DC)	Dielectric	Price Each				Reel Quantity	Price Per Piece
						1	50	100	500		
843-SBSMP5000102MX	SBSMP5000102MXT	C	1000pF	500	X7R					500	
843-SBSMP5000153MX	SBSMP5000153MXT	C	.015uF	500	X7R					500	
843-SBSMP5000683MX	SBSMP5000683MXT	C	.068uF	500	X7R					500	
843-SBSMP1000334MX	SBSMP1000334MXT	C	.33uF	100	X7R					500	
843-SBSMP0500474MX	SBSMP0500474MXT	C	.47uF	50	X7R					500	

X2Y FILTERS

The Syfer X2Y Integrated Passive Component is a 3 terminal EMI chip device. The revolutionary design provides simultaneous line-to-line and line-to-ground filtering, using a single ceramic chip. In this way, differential and common mode filtering are provided in one device. Available in sizes from 0603 to 2220, these filters can prove invaluable in meeting stringent EMC demands.



Features:

- Replaces 2 or 3 capacitors with one device
- Matched capacitance line to ground on both lines
- Ultra low inductance due to cancellation effect
- Differential and common mode attenuation
- Effects of temperature and voltage variation eliminated
- Effect of ageing equal on both lines
- High current capability

Specifications:

- Dielectric: X7R or C0G
- Temperature rating: -55°C to 125°C
- Dielectric withstand voltage: 2.5 x Rated Volts for 5 secs.; Charging current limited to 50mA Max.
- Insulation resistance: 100Gohms or 1000s (whichever is the less)

Applications:

- Balanced lines and twisted pairs
- EMI Suppression on DC motors
- Sensor/transducer applications
- Wireless communications
- Audio amplifiers
- CANBUS systems



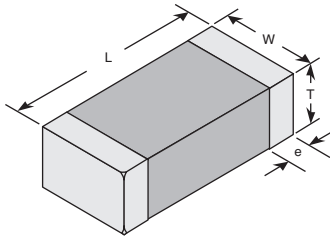
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Cap Value	Volt (DC)	Dielectric	Termination	Dimensions: mm					Price Each				Reel Qty.	Price Per Piece
						L	W	T	L1	L2	1	50	100	500		
843-0603J0500330MC3	0603J0500330MCTE03	33pF	50	C0G	Matte Tin	1.6±0.2	0.8±0.2	0.5±0.15	0.4±0.15	0.25±0.15					4000	
843-0603J0250101MC3	0603J0250101MCTE03	100pF	25	C0G	Matte Tin	1.6±0.2	0.8±0.2	0.5±0.15	0.4±0.15	0.25±0.15					4000	
843-0805J1000101MC3	0805J1000101MCTE03	100pF	100	C0G	Matte Tin	2.0±0.3	1.25±0.2	1.0±0.15	0.50±0.25	0.3±0.15					3000	
843-1206J1000103MX3	1206J1000103MXT E03	.01uF	100	X7R	Matte Tin	3.2±0.3	1.6±0.2	1.1±0.2	0.95±0.3	0.5±0.25					2500	
843-1206Y2000103MX3	1206Y2000103MXT E03	.01uF	200	X7R	FlexiCap	3.2±0.3	1.6±0.2	1.1±0.2	0.95±0.3	0.5±0.25					2500	
843-1206J1000473MX3	1206J1000473MXT E03	.047uF	100	X7R	Matte Tin	3.2±0.3	1.6±0.2	1.1±0.2	0.95±0.3	0.5±0.25					2500	
843-1410Y2000473MX3	1410Y2000473MXT E03	.047uF	200	X7R	FlexiCap	3.6±0.3	2.5±0.2	2 Max.	1.2±0.3	0.5±0.25					2000	
843-1410Y0500334MX3	1410Y0500334MXT E03	.33uF	50	X7R	FlexiCap	3.6±0.3	2.5±0.2	2 Max.	1.2±0.3	0.5±0.25					2000	
843-1410Y0500404MX3	1410Y0500404MXT E03	.4uF	50	X7R	FlexiCap	3.6±0.3	2.5±0.2	2 Max.	1.2±0.3	0.5±0.25					2000	
843-1812Y5000272MX3	1812Y5000272MXT E03	.0027uF	500	X7R	FlexiCap	4.5±0.35	3.2±0.2	2 Max.	1.4±0.35	0.75±0.25					1000	
843-1812Y5000393MX3	1812Y5000393MXT E03	.039uF	500	X7R	FlexiCap	4.5±0.35	3.2±0.2	2 Max.	1.4±0.35	0.75±0.25					1000	
843-1812Y5000104MX3	1812Y5000104MXT E03	.1uF	500	X7R	FlexiCap	4.5±0.35	3.2±0.2	2 Max.	1.4±0.35	0.75±0.25					1000	
843-1812Y1000334MX3	1812Y1000334MXT E03	.33uF	100	X7R	FlexiCap	4.5±0.35	3.2±0.2	2 Max.	1.4±0.35	0.75±0.25					1000	
843-1812Y0500444MX3	1812Y0500444MXT E03	.44uF	50	X7R	FlexiCap	4.5±0.35	3.2±0.2	2 Max.	1.4±0.35	0.75±0.25					1000	
843-1812Y0500474MX3	1812Y0500474MXT E03	.47uF	50	X7R	FlexiCap	4.5±0.35	3.2±0.2	2 Max.	1.4±0.35	0.75±0.25					1000	

FB SERIES M TYPE HIGH CURRENT

Features:

- Power supply units:
 - Withstand large current (allowable current: up to 6A)
 - Resistance to high energy
 - High reliability
- There are several variations of the FBMJ type
 - HS: for broadband applications
 - HM: for upper MHz range applications
 - HL: for GHz range applications
- The FBMH type is optimal for circuit designs which require high impedances and large currents to combat radiated noise on power lines, etc.



Specifications:

- Operating temperature: -40°C to 125°C (including self-generated heat)

Type	DIMENSIONS: mm (in.)			
	L	W	T	e
BKH1005 (0402)	1.0±0.05 (0.039±0.002)	0.5±0.05 (0.02±0.002)	0.5±0.05 (0.02±0.002)	0.25±0.1 (0.01±0.004)
FBMJ1608 (0603)	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	0.8±0.2 (0.031±0.008)	0.3±0.2 (0.012±0.008)
FBMJ2125 (0805)	2.0±0.2 (0.079±0.008)	1.25±0.2 (0.049±0.008)	0.85±0.2 (0.033±0.008)	0.5±0.3 (0.020±0.012)
FBMJ3216 (1206)	3.2±0.3 (0.126±0.012)	1.6±0.2 (0.063±0.008)	1.1±0.2 (0.043±0.008)	0.5±0.3 (0.020±0.012)
FBMJ4516 (1806)	4.5±0.3 (0.177±0.012)	1.6±0.2 (0.063±0.008)	1.1±0.2 (0.043±0.008)	0.5±0.3 (0.020±0.012)
FBMH1608 (0603)	1.6±0.1 (0.063±0.004)	0.8±0.1 (0.031±0.004)	0.8±0.1 (0.031±0.004)	0.3±0.15 (0.012±0.006)
FBMH2012 (0805)	2.0±0.2 (0.079±0.008)	1.25±0.2 (0.049±0.008)	0.85±0.2 (0.033±0.008)	0.5±0.3 (0.020±0.012)
FBMH2016 (0806)	2.0±0.2 (0.079±0.008)	1.6±0.2 (0.063±0.008)	1.6±0.2 (0.063±0.008)	0.5±0.3 (0.020±0.012)
FBMH3225 (1210)	3.2±0.3 (0.126±0.012)	2.5±0.3 (0.098±0.012)	2.5±0.3 (0.098±0.012)	0.5±0.3 (0.020±0.012)
FBMH4516 (1806)	4.5±0.3 (0.177±0.012)	1.6±0.2 (0.063±0.008)	1.6±0.2 (0.063±0.008)	0.5±0.3 (0.020±0.012)
FBMH4525 (1810)	4.5±0.4 (0.177±0.016)	2.5±0.3 (0.098±0.012)	2.5±0.3 (0.098±0.012)	0.9±0.6 (0.035±0.024)
FBMH4532 (1812)	4.5±0.4 (0.177±0.016)	3.2±0.3 (0.126±0.012)	3.2±0.3 (0.126±0.012)	0.9±0.6 (0.035±0.024)

Standard

- For additional values and sizes visit mouser.com

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Impedance (Ω)	DC Resistance (mΩ) (max.)	Rated Current (A) (max.)	Price Each					Reel Qty.	Price Per Piece
					1	10	50	100	500		
0603											
963-FBMJ1608HM230NT	FBMJ1608HM230NT	23±30%	0.007	4.0						4000	
963-FBMJ1608HS280NT	FBMJ1608HS280NT	28±30%	0.006	6.0						4000	
0805											
963-FBMJ2125HL8R0NT	FBMJ2125HL8R0NT	8±30%	0.008	4.0						4000	
963-FBMJ2125HM210NT	FBMJ2125HM210NT	21±30%	0.004	6.0						4000	
963-FBMJ2125HS250NT	FBMJ2125HS250NT	25±30%	0.004	6.0						4000	
963-FBMJ2125HM330-T	FBMJ2125HM330-T	33±25%	0.008	4.0						4000	
963-FBMJ2125HS420-T	FBMJ2125HS420-T	42±25%	0.008	4.0						4000	
1206											
963-FBMJ3216HL160NT	FBMJ3216HL160NT	16±30%	0.012	4.0						2000	
963-FBMJ3216HM380NT	FBMJ3216HM380NT	38±30%	0.005	6.0						2000	
963-FBMJ3216HS480NT	FBMJ3216HS480NT	48±30%	0.005	6.0						2000	
963-FBMJ3216HM600-T	FBMJ3216HM600-T	60±25%	0.010	4.0						2000	
963-FBMJ3216HS800-T	FBMJ3216HS800-T	80±25%	0.010	4.0						2000	
1806											
963-FBMJ4516HL230NT	FBMJ4516HL230NT	23±30%	0.014	3.5						2000	
963-FBMJ4516HM560NT	FBMJ4516HM560NT	56±30%	0.007	6.0						2000	
963-FBMJ4516HS720NT	FBMJ4516HS720NT	72±30%	0.007	6.0						2000	
963-FBMJ4516HM900-T	FBMJ4516HM900-T	90±25%	0.014	4.0						2000	
963-FBMJ4516HS111-T	FBMJ4516HS111-T	110±25%	0.014	3.5						2000	

High Impedance

For quantities greater than listed, call for quote.

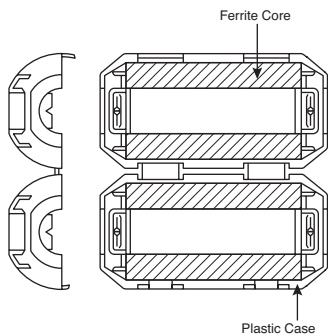
MOUSER STOCK NO.	Taiyo Yuden Part No.	Impedance (Ω)	DC Resistance (mΩ) (max.)	Rated Current (A) (max.)	Price Each					Reel Qty.	Price Per Piece
					1	10	50	100	500		
0402											
963-BKH1005LM152-T	BKH1005LM152-T	1500	1500	0.2						1000	
963-BKH1005LM182-T	BKH1005LM182-T	1800	2000	0.2						1000	
0603											
963-FBMH1608HL300-T	FBMH1608HL300-T	30±25%	0.028	2.5						4000	
963-FBMH1608HM470-T	FBMH1608HM470-T	47±25%	0.020	3.5						4000	
963-FBMH1608HL600-T	FBMH1608HL600-T	60±25%	0.045	1.8						4000	
963-FBMH1608HM600-T	FBMH1608HM600-T	60±25%	0.025	3.0						4000	
963-FBMH1608HM101-T	FBMH1608HM101-T	100±25%	0.035	2.0						4000	
963-FBMH1608HL121-T	FBMH1608HL121-T	120±25%	0.130	0.9						4000	
963-FBMH1608HM151-T	FBMH1608HM151-T	150±25%	0.050	2.0						4000	
963-FBMH1608HL221-T	FBMH1608HL221-T	220±25%	0.170	0.7						4000	
963-FBMH1608HM221-T	FBMH1608HM221-T	220±25%	0.070	1.5						4000	
963-FBMH1608HL331-T	FBMH1608HL331-T	330±25%	0.210	0.6						4000	
963-FBMH1608HM331-T	FBMH1608HM331-T	330±25%	0.130	0.9						4000	
963-FBMH1608HL471-T	FBMH1608HL471-T	470±25%	0.350	0.5						4000	
963-FBMH1608HM471-T	FBMH1608HM471-T	470±25%	0.150	0.7						4000	
963-FBMH1608HL601-T	FBMH1608HL601-T	600±25%	0.450	0.4						4000	
963-FBMH1608HM601-T	FBMH1608HM601-T	600±25%	0.170	0.7						4000	
963-FBMH1608HM102-T	FBMH1608HM102-T	1000±25%	0.350	0.5						4000	
0805											
963-FBMH2012HM800-T	FBMH2012HM800-T	80±25%	0.025	2.7						4000	
963-FBMH2012HM121-T	FBMH2012HM121-T	120±25%	0.032	2.5						4000	
963-FBMH2012HM221-T	FBMH2012HM221-T	220±25%	0.060	2.0						4000	
963-FBMH2012HM331-T	FBMH2012HM331-T	330±25%	0.080	1.8						4000	
0806											
963-FBMH2016HM251NT	FBMH2016HM251NT	250±30%	0.050	2.0						2000	
1210											
963-FBMH3225HM601NT	FBMH3225HM601NT	600±30%	0.042	3.0						1000	
963-FBMH3225HM102NT	FBMH3225HM102NT	1000±30%	0.100	2.0						1000	
963-FBMH3225HM202NT	FBMH3225HM202NT	2000±30%	0.130	1.2						1000	
1806											
963-FBMH4516HM851NT	FBMH4516HM851NT	850±30%	0.100	1.5						2000	
1810											
963-FBMH4525HM102NT	FBMH4525HM102NT	1000±30%	0.060	3.0						1000	
963-FBMH4525HM162NT	FBMH4525HM162NT	1600±30%	0.130	2.0						1000	
1812											
963-FBMH4532HM681-T	FBMH4532HM681-T	680±25%	0.028	4.0						2000	
963-FBMH4532HM132-T	FBMH4532HM132-T	1300±25%	0.060	4.0						2000	
963-FBMH4532HM202-T	FBMH4532HM202-T	2000±25%	0.130	1.3						2000	

TDK ZCAT Snap-On EMI Clamp Filters

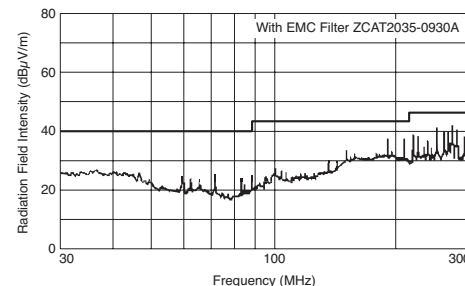
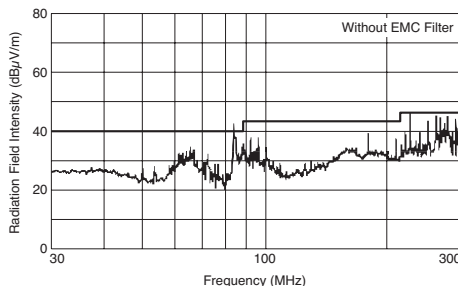


RoHS Compliant This product is RoHS compliant.

INTERNAL CONSTRUCTION



TYPICAL EMC SUPPRESSION EFFECTS - RADIATION LEVEL vs. FREQUENCY CHARACTERISTICS



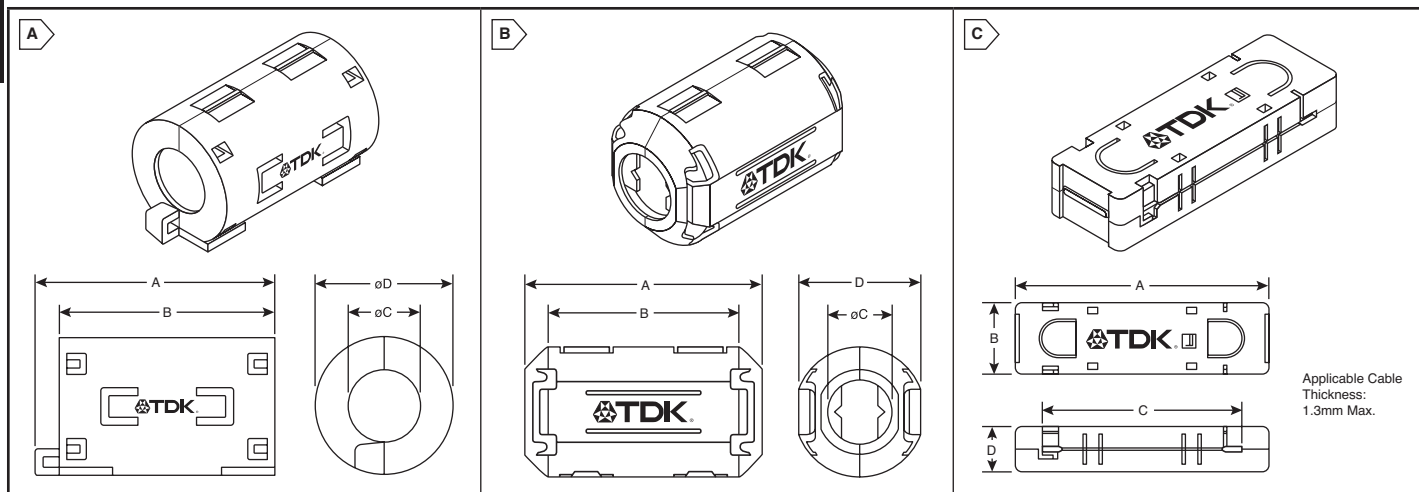
TDK EMI Suppression

Features:

- Unique Plastic case ensures simple, convenient installation
- Includes a self-locking mechanism to prevent slippage on cables
- Ferrite core provides excellent absorption of high-frequency EMC
- Highly effective as countermeasure against common mode EMC without adverse affect on signal quality
- Large cores prevent saturation during large signal surges

Applications:

- Personal computers, word processors, monitors, hard disk drives, digital telephone systems, audio devices, electronics musical instruments, video games, copiers, and fax machines



ZCAT ROUND CASE - GRAY

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Fig.	Dimensions: mm					Cable Form	Price Each				
			Total Length (A)	Case Length (B)	Inside Diameter (C)	Outside Diameter (D)	Cable Diameter		1	10	50	100	500
810-ZCAT1325-0530A	ZCAT1325-0530A	A	25	20	4	12.8	3 to 5	Round USB					
810-ZCAT1518-0730	ZCAT1518-0730	A	22	18	7	15	7 max.						
810-ZCAT1730-0730A	ZCAT1730-0730A	B	30	23	7	16.5	4 to 7	Round USB					
810-ZCAT2017-0930	ZCAT2017-0930	A	21	17	9	20	9 max.	Round					
810-ZCAT2035-0930A	ZCAT2035-0930A	B	35	28	9	19.5	6 to 9	Round					
810-ZCAT2132-1130	ZCAT2132-1130	A	36	32	11	20.5	11 max.	Round					
810-ZCAT2235-1030A	ZCAT2235-1030A	B	35	28	10	21.5	8 to 10	Round					
810-ZCAT2436-1330A	ZCAT2436-1330A	B	36	29	13	23.5	10 to 13	Round					
810-ZCAT3035-1330	ZCAT3035-1330	A	39	34	13	30	13 max.	Round					

ZCAT ROUND CASE - BLACK

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Fig.	Dimensions: mm					Cable Form	Price Each				
			Total Length (A)	Case Length (B)	Inside Diameter (C)	Outside Diameter (D)	Cable Diameter		1	10	50	100	500
810-ZCAT1325-0530ABK	ZCAT1325-0530A-BK	B	25	20	5	12.8	3 to 5	Round USB					
810-ZCAT1518-0730BK	ZCAT1518-0730-BK	A	22	18	7	15	7 max.	Round					
810-ZCAT1730-0730ABK	ZCAT1730-0730A-BK	B	30	23	7	16.5	4 to 7	Round USB					
810-ZCAT2017-0930BK	ZCAT2017-0930-BK	A	21	17	9	20	9 max.	Round					
810-ZCAT2035-0930ABK	ZCAT2035-0930A-BK	B	35	28	9	19.5	6 to 9	Round					
810-ZCAT2132-1130BK	ZCAT2132-1130-BK	A	36	32	11	20.5	11 max.	Round					
810-ZCAT2235-1030ABK	ZCAT2235-1030A-BK	B	35	28	10	21.5	8 to 10	Round					
810-ZCAT2436-1330ABK	ZCAT2436-1330A-BK	B	36	29	13	23.5	10 to 13	Round					
810-ZCAT3035-1330BK	ZCAT3035-1330-BK	A	39	34	13	30	13 max.	Round					

ZCAT FLAT CASE - BLACK

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Fig.	Dimensions: mm				Cable Capacity	Cable Form	Price Each				
			Length (A)	Width (B)	Cable Width (C)	Thickness (D)			1	10	50	100	500
810-ZCAT3618-2630DBK	ZCAT3618-2630D-BK	C	33.5	17.5	26	11.5	20 Wires	Flat					
810-ZCAT4625-3430DBK	ZCAT4625-3430D-BK	C	45.5	24.5	34	12	26 Wires	Flat					
810-ZCAT6819-5230DBK	ZCAT6819-5230D-BK	C	67.5	18.5	52	17	40 Wires	Flat					

TUSONIX EMI Filters and Feedthru Capacitors

RoHS Compliant This product is RoHS compliant.

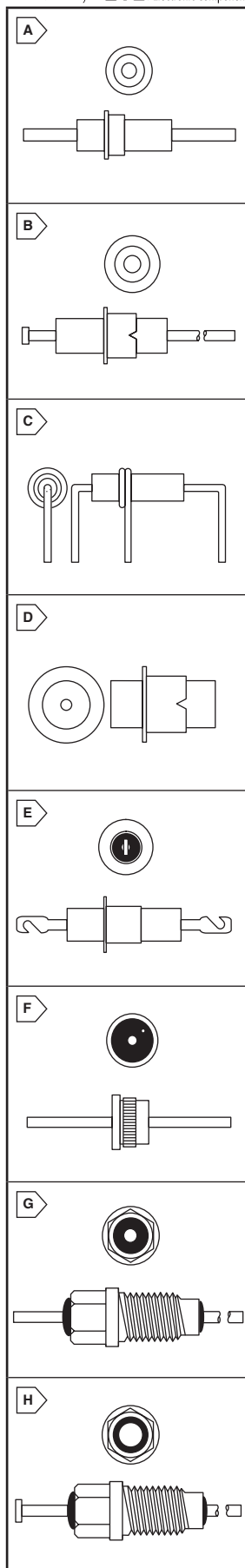
TUSONIX
A Subsidiary of CTS Electronic Components

EMI/RFI FILTERS

Tusonix, Inc. manufactures thousands of EMC Products featuring an extensive line of EMI/RFI Filters and Capacitors. We combine Technology, Expertise, Versatility and Innovation to produce the industry's most complete line of ceramic EMI/RFI Filters. TUSONIX draws upon its 50+ years of manufacturing expertise and an accumulated base of ceramic dielectric technology to provide an ever expanding line of EMI/RFI Filters and Capacitors. Tusonix products not only set the industry standard but lead the way in the development of tomorrow's EMI Technology.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Circuit Type	Dia.	AWG	Working Voltage (DC) @125°C	Capacitance (pF)	Minimum No-Load Insertion Loss (dB) @25°C per MIL-Std-220					Price Each		
Mfr.	Mfr. Part No.							1MHz	10MHz	100MHz	1GHz	10GHz	1	10	50
Solder Mount and No-Solder Filters															
800—4100-000LF	A	Pi	0.138	20	125	1,500	--	6	45	60	60				
800—4101-001LF	B	Pi	0.143	20	200	1,500	--	3	45	70	70				
800—4100-053LF	C	Pi	--	--	200dc	1,500	--	18	60	70	--				
800—4101-000LF	D	Pi	--	--	125	1,750	--	5	35	50	50				
800—4101-002LF	B	Pi	0.195	20	125	1,750	--	5	50	60	60				
800—4101-003LF	A	Pi	0.195	20	125	1,750	--	5	50	60	60				
800—4101-004LF	B	Pi	0.195	20	125	1,750	--	5	50	60	60				
800—4100-003LF	A	Pi	0.140	18	50	3,000	--	7	50	65	60				
800—4102-000LF	A	Pi	0.180	18	200	3,000	--	8	55	65	65				
800—4106-000LF	E	Pi	--	--	500dc/350ac	3,000	--	--	50	50	--				
800—4106-001LF	E	Pi	--	--	500	4,500	--	8	50	70	50				
800—4151-001LF	B	Pi	0.195	20	70	22,000	--	35	70	70	70				
Epoxy Sealed Top (Flange)/Glass Sealed Bottom															
800—4300-680LF	A	C	0.156	.03"	200	5	--	--	--	--	--				
800—4300-681LF	A	C	0.156	.03"	200	5	--	--	--	--	--				
800—4300-008LF	A	C	0.156	.03"	200	10	--	--	--	5	20				
800—4300-000LF	A	C	0.156	.03"	200	100	--	--	--	3	20	28			
800—4300-020LF	A	C	0.156	.03"	200	100	--	--	--	3	20	28			
800—4300-001LF	A	C	0.156	.03"	200	500	--	--	--	15	35	40			
800—4300-002LF	A	C	0.156	.03"	200	1,200	--	--	--	5	20	35	45		
800—4300-003LF	A	C	0.156	.03"	100	2,700	--	--	--	10	25	40	50		
800—4300-004LF	A	C	0.156	.03"	100	5,000	--	--	--	15	30	45	55		
800—4300-024LF	A	C	0.156	.03"	100	5,000	--	--	--	15	30	50	50		
800—4300-005LF	A	C	0.156	.03"	50	10,000	4	21	35	50	60				
800—4300-025LF	A	C	0.156	.03"	50	10,000	4	20	35	50	60				
800—4300-006LF	A	C	0.156	.03"	50	15,000	7	20	35	55	60				
800—4300-013LF	A	C	0.156	.03"	50	27,000	10	28	42	65	65				
800—4300-034LF	A	C	0.156	.03"	50	50,000	15	35	45	70	--				
800—4304-000LF	F	C	0.156	.03"	200	10	--	--	--	5	20				
800—4304-003LF	F	C	0.156	.03"	200	100	--	--	--	3	20	28			
800—4306-012LF	F	C	0.146	.03"	200	5	--	--	--	--	5				
800—4306-680LF	F	C	0.146	.03"	200	5	--	--	--	--	--				
800—4306-028LF	F	C	0.146	.03"	200	10	--	--	--	5	20				
800—4306-005LF	F	C	0.146	.03"	200	50	--	--	--	10	25				
800—4306-029LF	F	C	0.146	.03"	200	100	--	--	--	3	20	28			
800—4306-007LF	F	C	0.146	.03"	200	250	--	--	--	5	22	30			
800—4306-003LF	F	C	0.146	.03"	200	500	--	--	--	15	35	40			
800—4306-008LF	F	C	0.146	.03"	200	1,000	--	--	--	5	20	35	45		
800—4306-009LF	F	C	0.146	.03"	200	1,500	--	--	--	5	22	35	45		
800—4306-030LF	F	C	0.146	.03"	100	5,000	--	--	--	15	30	45	55		
Glass Sealed Top (Flange)/Epoxy Sealed Bottom															
800—4306-025LF	F	C	0.146	.03"	200	5	--	--	--	--	5				
800—4306-019LF	F	C	0.146	.03"	200	25	--	--	--	10	25				
800—4306-018LF	F	C	0.146	.03"	200	50	--	--	--	10	25				
800—4306-014LF	F	C	0.146	.03"	200	100	--	--	--	3	20	28			
800—4306-020LF	F	C	0.146	.03"	200	250	--	--	--	5	22	30			
800—4306-016LF	F	C	0.146	.03"	200	500	--	--	--	15	35	40			
800—4306-021LF	F	C	0.146	.03"	200	1,000	--	--	--	5	20	35	45		
800—4306-022LF	F	C	0.146	.03"	200	1,500	--	--	--	5	22	35	45		
800—4306-017LF	F	C	0.146	.03"	100	5,000	--	--	--	15	30	45	55		



EMI Suppression Tusonix

THREADED FILTERS AND FEED-THROUGH CAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Ckt	Thread	Hex Size	Working Voltage (DC) @125°C	Capacitance (pF)	Minimum No-Load Insertion Loss (dB) @25°C per MIL-Std-220					Price Each		
Mfr.	Mfr. Part No.							1MHz	10MHz	100MHz	1GHz	10GHz	1	10	50
800—4400-680LF	G	C	4-40 UNC-2A	.156	200	5	--	--	--	--	--				
800—4400-008LF	G	C	4-40 UNC-2A	.156	200	10	--	--	--	5	20				
800—4400-038LF	G	C	4-40 UNC-2A	.156	200	10	--	--	--	5	20				
800—4403-039LF	G	C	4-40 UNC-2A	.125	200	25	--	--	--	10	25				
800—4400-030LF	G	C	4-40 UNC-2A	.156	200	100	--	--	--	3	20	28			
800—4403-030LF	G	C	4-40 UNC-2A	.125	200	100	--	--	--	3	20	28			
800—4400-000LF	G	C	4-40 UNC-2A	.156	200	100	--	--	--	3	20	28			
800—4400-007LF	G	C	4-40 UNC-2A	.156	200	1,000	--	--	--	5	20	35	45		
800—4403-037LF	G	C	4-40 UNC-2A	.125	200	1,000	--	--	--	5	20	35	45		
800—4400-037LF	G	C	4-40 UNC-2A	.156	200	1,000	--	--	--	5	20	35	45		
800—4400-032LF	G	C	4-40 UNC-2A	.156	200	1,200	--	--	--	5	20	35	45		
800—4403-033LF	G	C	4-40 UNC-2A	.125	100	2,700	--	--	--	10	25	40	50		
800—4400-033LF	G	C	4-40 UNC-2A	.156	100	2,700	--	--	--	10	25	40	50		
800—4400-004LF	G	C	4-40 UNC-2A	.156	100	5,000	--	--	--	15	30	45	55		
800—4400-034LF	G	C	4-40 UNC-2A	.156	100	5,000	--	--	--	15	30	45	55		
800—4261-001LF	G	Pi	4-40 UNC-2A	.156	50	5,500	--	--	--	14	55	70	--		
800—4400-035LF	G	C	4-40 UNC-2A	.156	50	10,000	4	21	35	50	60				
800—4403-035LF	G	C	4-40 UNC-2A	.125	50	10,000	4	21	35	50	60				
800—4400-089LF	G	C	4-40 UNC-2A	.156	50	10,000	4	21	35	50	60				
800—4400-060LF	G	L	4-40 UNC-2A	.156	50	27,000	10	28	45	65	70				
800—4403-040LF	G	C	4-40 UNC-2A	.125	50	27,000	10	28	42	65	65				
800—4400-057LF	G	L	4-40 UNC-2A	.156	50	50,000	15	35	52	70	--				
800—4402-018LF	G	Pi	6-32 UNC-2A	.156	50	100,000	22	40	47	65	65				
800—4200-000LF	H	Pi	6-40 UNF-2A	.125	200	1,500	--	--	--	5	40	60	60		
800—4200-005LF	H	Pi	6-40 UNF-2A	.125	200	3,000	--	--	--	8	50	70	70		
800—4205-002LF	G	Pi	8-32 UNC-2A	.187	125	65	--	--	--	3	16	45			
800—4201-000LF	G	Pi	8-32 UNC-2A	.187	100	1,500	--	--	--	5	45	65	70		
800—4201-001LF	G	Pi	8-32 UNC-2A	.187	100	1,500	--	--	--	5	45	65	70		
800—4205-001LF	G	Pi	8-32 UNC-2A	.187	125	1,500	--	--	--	5	35	60	60		

TUSONIX EMI Filters and Feedthru Capacitors

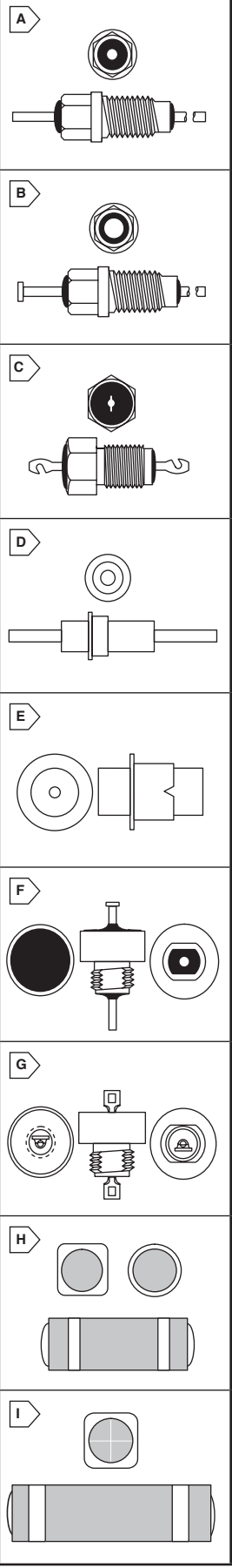


RoHS Compliant This product is RoHS compliant.

THREADED FILTERS AND FEED-THROUGH CAPACITORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Ckt	Thread	Hex Size	Working Voltage (DC) @ 125°C	Capacitance (pF)	Minimum No-Load Insertion Loss (dB) @ 25°C per MIL-Std-220					Price Each		
Mfr.	Mfr. Part No.							1MHz	10MHz	100MHz	1GHz	10GHz	1	10	50
800-4201-003LF	A	Pi	8-32 UNC-2A	.187	100	2,000	--	5	38	63	70				
800-4201-050LF	A	Pi	8-32 UNC-2A	.187	100	5,500	--	14	55	70	70				
800-4201-051LF	A	Pi	8-32 UNC-2A	.187	100	5,500	--	14	55	70	70				
800-4201-053LF	A	Pi	8-32 UNC-2A	.187	100	5,500	--	14	55	70	70				
800-4251-004LF	A	Pi	8-32 UNC-2A	.187	100	28,000	10	38	75	75	75				
800-4404-003LF	A	C	8-32 UNC-2A	.187	100	100,000	20	38	47	65	--				
800-4202-000LF	A	Pi	12-32 UNEF-2A	.250	200	1,500	--	5	45	70	70				
800-4202-001LF	A	Pi	12-32 UNEF-2A	.250	200	1,500	--	5	45	70	70				
800-4203-003LF	A	Pi	12-32 UNEF-2A	.187	200	1,500	--	5	45	70	70				
800-4202-004LF	A	Pi	12-32 UNEF-2A	.250	350	2,500	--	5	50	70	70				
800-4203-053LF	A	Pi	12-32 UNEF-2A	.187	100	5,000	--	20	65	70	70				
800-4253-001LF	B	Pi	12-32 UNEF-2A	.187	100	25,000	--	30	65	70	70				
800-4253-002LF	A	Pi	12-32 UNEF-2A	.187	70	50,000	--	60	75	75	75				
800-4401-000LF	A	C	12-28 UNF-2A	.250	200	100	--	--	3	20	28				
800-4202-021LF	A	Pi	12-28 UNF-2A	.250	200	1,500	--	5	45	70	70				
800-4204-001LF	A	Pi	12-28 UNF-2A	.250	200	1,500	--	5	45	70	70				
800-4202-053LF	A	Pi	12-28 UNF-2A	.250	100	5,000	--	20	65	70	70				
800-4204-051LF	A	Pi	12-28 UNF-2A	.250	100	5,000	--	20	65	70	70				
800-4206-006LF	C	Pi	5/16-32 UNEF-2A	.375	200	3,000	--	10	55	70	70				
Metric Thread															
800-4400-683LF	A	C	M3 X 0.5-6g	.157	200	5	--	--	--	--	--				
800-4400-076LF	A	C	M3 X 0.5-6g	.157	200	100	--	--	3	20	28				
800-4400-096LF	A	C	M3 X 0.5-6g	.157	200	470	--	--	15	35	40				
800-4400-091LF	A	C	M3 X 0.5-6g	.157	200	1,000	--	--	5	20	35	45			
800-4400-095LF	A	C	M3 X 0.5-6g	.157	200	1,000	--	--	5	20	35	45			
800-4400-097LF	A	C	M3 X 0.5-6g	.157	100	2,700	--	--	10	25	40	50			
800-4400-094LF	A	C	M3 X 0.5-6g	.157	100	4,700	--	--	15	30	45	55			
800-4400-093LF	A	C	M3 X 0.5-6g	.157	50	10,000	4	20	35	50	50				
800-4400-098LF	A	C	M3 X 0.5-6g	.157	50	27,000	10	28	42	55	60				
800-4400-099LF	A	C	M3 X 0.5-6g	.157	50	50,000	15	35	45	70	--				
800-4209-053LF	B	Pi	M5 X 0.8-6g	.187	100	5,500	--	20	65	70	70				
800-4209-003LF	B	Pi	M5 X 0.8-6g	.187	200	1,500	--	20	65	70	70				



Tusonix EMI Suppression

EMI FEEDTHRU FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Circuit Type	Dia.	AWG	Thread	Hex Size	Working Voltage (DC)	Capacitance (pF)	Minimum No-Load Insertion Loss (dB) @ 25°C per MIL-Std-220					Price Each		
Mfr.	Mfr. Part No.									1MHz	10MHz	100MHz	1GHz	10GHz	1	10	50
800-240400X5U0102PLF	D	C	0.23	16	--	--	500@85°C	1,000	--	3	20	35	40				
800-240414X5U0102PLF	E	C	0.23	--	--	--	500@85°C	1,000	--	3	20	35	40				
800-24610X7V0102PLF	E	C	0.17	--	--	--	100@125°C	1,000	--	3	20	35	40				
800-24611X7V0102PLF	E	C	0.17	--	--	--	100@125°C	1,000	--	--	--	--	--				
800-24610X7V0152PLF	E	C	0.17	--	--	--	100@125°C	1,500	--	--	--	--	--				
800-24251X5U0101AALF	B	C	--	--	8-32 UNC-2A	0.187	100@125°C	100	--	--	--	--	--				
800-24251X5U0102AALF	B	C	--	--	8-32 UNC-2A	0.187	100@125°C	1,000	--	--	--	--	--				
800-24251X5U0152AALF	B	C	--	--	8-32 UNC-2A	0.187	100@125°C	1,500	--	--	--	--	--				
800-2425601X5W103ZLF	A	C	--	--	8-32 UNC-2A	0.187	100@125°C	10,000	--	--	--	--	--				
800-24993X5S0102MLF	A	C	--	--	12-28 UNF-2A	0.25	500@85°C	1,000	--	--	--	--	--				
800-24993X5S0152MLF	A	C	--	--	12-28 UNF-2A	0.25	500@85°C	1,500	--	--	--	--	--				
800-24993X5W0103ZLF	A	C	--	--	12-28 UNF-2A	0.25	500@85°C	10,000	--	--	--	--	--				

COAXIAL BROADBAND FILTER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Circuit Type	Thread	Working Voltage (DC) @ 125°C	Capacitance (pF)	Current (A)	Minimum No-Load Insertion Loss (dB) @ 25°C per MIL-Std-220					Price Each		
Mfr.	Mfr. Part No.							1MHz	10MHz	100MHz	1GHz	10GHz	1	10	50
800-4600-000LF	F	C	1/4-28 UNF-2A	70	1.4µF	15	25	34	44	60	70				
800-4601-000LF	G	C	1/4-28 UNF-2A	70	1.4µF	15	25	34	44	60	70				
800-4600-050LF	F	L	1/4-28 UNF-2A	70	1.4µF	15	25	34	44	60	70				
800-4601-050LF	G	L	1/4-28 UNF-2A	70	1.4µF	15	25	34	44	60	70				
800-4601-052LF	G	L	1/4-28 UNF-2A	70	1.4µF	15	25	34	44	60	70				
800-4600-009LF	F	C	1/4-28 UNF-2A	200dc/125ac	.15µF	--	7	15	25	40	60				
800-4600-053LF	F	L	1/4-28 UNF-2A	50	1.4µF	15	25	34	44	60	70				
800-4600-054LF	F	L	1/4-28 UNF-2A	50	1.4µF	15	25	34	44	60	70				
800-4601-054LF	G	L	1/4-28 UNF-2A	50	1.4µF	15	25	34	44	60	70				

EMI/RFI SURFACE MOUNT PI & C FILTERS FOR SMT APPLICATIONS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Circuit Type	Working Voltage (DC) @ 85°C	Capacitance (pF)	Current (A)	Minimum No-Load Insertion Loss (dB) @ 25°C per MIL-Std-220			Price Each		
Mfr.	Mfr. Part No.						10MHz	100MHz	1GHz	1	10	50
800-4700-006LF	H	Pi	100	100	--	--	3	16				
800-4702-000LF	H	C	100	100	--	--	1	19				
800-4700-009LF	H	Pi	100	470	1	16	40					
800-4700-005LF	H	Pi	100	1000	7	40	65					
800-4700-003LF	H	Pi	100	2000	10	45	70					
800-4700-008LF	H	Pi	100	4000	13	52	70					
800-4702-005LF	H	C	100	4000	15	30	45					
800-4701-002LF	I	Pi	100	6800	16	60	70					
800-4701-001LF	I	Pi	100	8200	20	65	70					
800-4700-056LF	H	C	100	--	15	55	70					

ENGINEER'S DESIGN KITS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Quantity	Value Range	Voltage Range	Termination Style	Price Each
Mfr.	Mfr. Part No.						
800-SK2000-900	-	-	5 each of 9 P/N	47 pF to 10000 pF	100 V to 500 V	Axial	
800-SK4000-900	-	-	5 each of 12 P/N	5 pF to 50000 pF	50 V to 350 V	Axial	
800-SK4000-901	-	-	5 each of 10 P/N	5 pF to 50000 pF	50 V to 500 V	Axial	
800-SK4000-903	-	-	5 each of 12 P/N	5 pF to 27000 pF	50 V to 300 V	Axial	
800-SK4700-900	-	-	5 each of 10 P/N	100 pF to 8200 pF	100 V	SMT	

VACUUMSCHMELZE Common Mode Filters



NEW SUPPLIER

EMI Suppression

Vacuumschmelze

NEW SUPPLIER

NEW SUPPLIER



This product is RoHS compliant.

VAC VITROPERM® CORES - COMMON MODE FILTERS

Features:

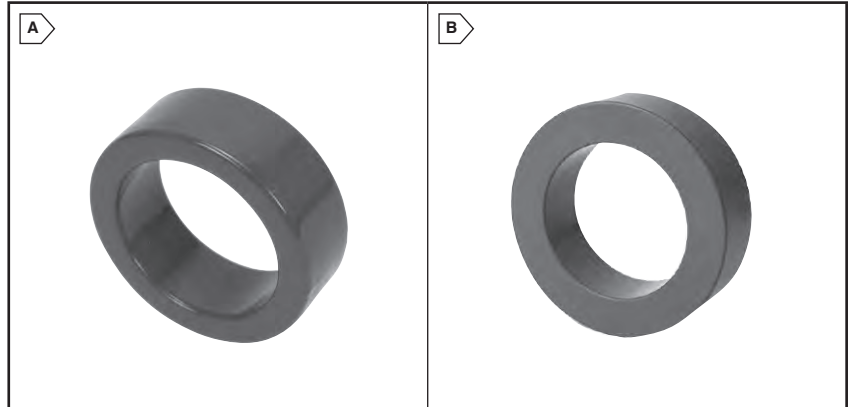
- Manufactured with nanocrystalline material for high permeability
- Available with different AL-levels for many core sizes
- Enclosed in plastic cases that are suitable for direct winding and offer good mechanical protection of the nanocrystalline core material.

Applications:

- EMC filters
- Switched-mode power supplies (SMPS)
- Solar inverters
- Uninterruptable power supplies (UPS)
- Welding equipment
- Wind generators
- Frequency converters
- Inductive cooking

Specifications:

- Operating temp. range: -40°C to +85°C



T6004 Series - Epoxy Coated

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vacuumschmelze Part No.	Fig.	Impedance (μH)	Max. DC Current (A)	Dimensions: mm (D x H)	Price Each		
						1	25	100
983-T60004-L2025W621	T60004-L2025-W621	A	5.8	2.7	17.5 x 12.3			
983-T60004-L2016W620	T60004-L2016-W620	A	4.8	0.8	10.7 x 8.0			
983-T60004-L2025W622	T60004-L2025-W622	A	7.2	1.4	17.5 x 12.3			
983-T60004-L2130W630	T60004-L2130-W630	A	16.5	13.6	95 x 28.5			
983-T60004-L2030W676	T60004-L2030-W676	A	8.5	1.7	22.7 x 17.5			

T60006 Series - Plastic Case

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vacuumschmelze Part No.	Fig.	Impedance (μH)	Max. DC Current (A)	Dimensions: mm (D x H)	Price Each		
						1	25	100
983-T60006-L2160W982	T60006-L2160-W982	B	2.9	81.1	123.9 x 30.5			
983-T60006-L2102W947	T60006-L2102-W947	B	4.2	48.5	70 x 30.3			
983-T60006-L2080V091	T60006-L2080-V091	B	9.2	27.3	44.7 x 25.7			
983-T60006-L2040W452	T60006-L2040-W452	B	7.9	5.1	28.7 x 18.5			
983-T60006-L2160V066	T60006-L2160-V066	B	11.7	22.3	123.9 x 30.5			
983-T60006-L2020W450	T60006-L2020-W450	B	9.1	2.1	10.3 x 10.2			
983-T60006-L2030W358	T60006-L2030-W358	B	11.1	3.1	17.6 x 12.5			
983-T60006-L2050W565	T60006-L2050-W565	B	10	5.3	36.3 x 23.4			
983-T60006-L2063V110	T60006-L2063-V110	B	13.5	6.7	46.5 x 28.6			
983-T60006-L2040W453	T60006-L2040-W453	B	17.2	4.2	22.5 x 18.5			
983-T60006-L2009W914	T60006-L2009-W914	B	6.4	0.4	5.1 x 5.8			
983-T60006-L2012W902	T60006-L2012-W902	B	6.8	0.4	6.6 x 6.3			
983-T60006-L2025W523	T60006-L2025-W523	B	7.3	1.1	17.4 x 12.8			
983-T60006-L2017W515	T60006-L2017-W515	B	6.9	0.7	11 x 8			
983-T60006-L2080W531	T60006-L2080-W531	B	24	8.2	44.7 x 25.7			
983-T60006-L2016W403	T60006-L2016-W403	B	10.1	0.6	8.1 x 8.1			
983-T60006-L2050W516	T60006-L2050-W516	B	14	2.7	36.3 x 23.4			
983-T60006-L2040W422	T60006-L2040-W422	B	11.1	1.5	28.7 x 18.5			
983-T60006-L2020W409	T60006-L2020-W409	B	13.6	0.7	10.3 x 10.2			
983-T60006-L2100V082	T60006-L2100-V082	B	16.9	5.3	75 x 29.6			
983-T60006-L2063W517	T60006-L2063-W517	B	18.1	3.5	46.5 x 28.6			
983-T60006-L2030W423	T60006-L2030-W423	B	14	1	17.6 x 12.5			
983-T60006-L2025W380	T60006-L2025-W380	B	15.5	0.9	13.6 x 12.5			
983-T60006-L2102W468	T60006-L2102-W468	B	21.6	6.7	70 x 30.3			
983-T60006-L2090W518	T60006-L2090-W518	B	25.1	4.5	54.7 x 24.7			
983-T60006-L2045V102	T60006-L2045-V102	B	20.3	1.6	26.4 x 18.2			
983-T60006-L2030W514	T60006-L2030-W514	B	20	1.1	17.5 x 17.8			
983-T60006-L2040W424	T60006-L2040-W424	B	23.1	1.4	22.5 x 18.5			

VISHAY/DALE SMT Multilayer Ferrite Beads



RoHS Compliant This product is RoHS compliant.

VISHAY ILHB SERIES - HIGH CURRENT MULTILAYER FERRITE BEADS

DIMENSIONS: in. (mm)

Features:

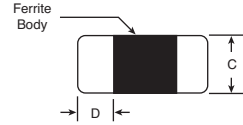
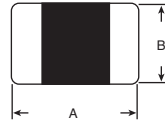
- High reliability
- Surface mountable
- Current rating up to 6 amps
- Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
- 100% Lead (Pb)-free and RoHS compliant
- Tape and Reel

Environmental Specifications:

- Operating Temperature: -55°C to +125°C
- Thermal Shock: 100 cycles, -40°C to +125°C
- Biased Humidity: 85% RH at 85°C, 1000 hours at full rated current



RoHS Compliant



Series	DIMENSIONS: in. (mm)			
	A	B	C	D
ILHB-0603	0.06 ± 0.006 (1.6 ± 0.15)	0.03 ± 0.006 (0.8 ± 0.15)	0.03 ± 0.006 (0.8 ± 0.15)	0.012 ± 0.008 (0.30 ± 0.20)
ILHB-0805	0.079 ± 0.008 (2.0 ± 0.20)	0.049 ± 0.008 (1.25 ± 0.20)	0.035 ± 0.008 (0.9 ± 0.20)	0.02 ± 0.0012 (0.50 ± 0.30)
ILHB-1206	0.126 ± 0.008 (3.2 ± 0.20)	0.063 ± 0.008 (1.6 ± 0.20)	0.043 ± 0.008 (1.1 ± 0.20)	0.02 ± 0.0012 (0.50 ± 0.30)
ILHB-1806	0.177 ± 0.010 (4.5 ± 0.25)	0.063 ± 0.008 (1.6 ± 0.20)	0.063 ± 0.008 (1.6 ± 0.20)	0.024 ± 0.0016 (0.60 ± 0.40)
ILHB-1812	0.177 ± 0.010 (4.5 ± 0.25)	0.126 ± 0.010 (3.2 ± 0.25)	0.06 ± 0.01 (1.5 ± 0.25)	0.024 ± 0.0016 (0.60 ± 0.40)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Impedance (±25%)	Impedance Test Freq. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Price Each			
						1	100	500	1000
70-ILHB0603ER121V	ILHB0603ER121V	120	100	0.10	2000				
70-ILHB0805ER900V	ILHB0805ER900V	90	100	0.025	5000				
70-ILHB0805ER251V	ILHB0805ER251V	250	100	0.04	3000				
70-ILHB1206ER601V	ILHB1206ER601V	600	100	0.10	2500				
70-ILHB1806ER600V	ILHB1806ER600V	60	100	0.02	6000				
70-ILHB1812ER121V	ILHB1812ER121V	120	100	0.02	6000				

EMI Suppression

Vishay

VISHAY ILBB-0402/0603/0805 MULTILAYER FERRITE BEADS

DIMENSIONS: in. (mm)

Features:

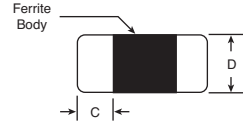
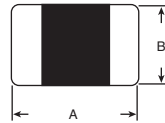
- High reliability
- Surface mountable
- Magnetically self shielded
- Nickel barrier plating

Environmental Specifications:

- Operating Temperature: -55°C to +125°C
- Thermal Shock: 100 cycles, -40°C to +125°C
- Biased Humidity: 85% RH at 85°C



RoHS Compliant



Series	DIMENSIONS: in. (mm)			
	A	B	C	D
ILBB-0402	0.04±0.004 (1.0±0.1)	0.02±0.004 (0.5±0.1)	0.02±0.004 (0.5±0.1)	0.01±0.004 (0.25±0.1)
ILBB-0603	0.063 ± .006 (1.6 ± 0.15)	0.032 ± .006 (0.8 ± 0.15)	0.014 ± .006 (0.36 ± 0.15)	0.032 ± .006 (0.8 ± 0.15)
ILBB-0805	0.079 ± .008 (2.0 ± 0.2)	0.049 ± .008 (1.25 ± 0.2)	0.020 ± .0012 (0.5 ± 0.3)	0.035 ± .008 (0.9 ± 0.2)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Z @ 100MHz (±25%)	DCR max. (Ω)	Rated DC Current (mA)	Price Each					
					1	100	500	1000	4000	
0402 Size										
70-ILBB0402ER600V	ILBB0402ER600V	60	0.30	300						
70-ILBB0402ER121V	ILBB0402ER121V	120	0.45	300						
70-ILBB0402ER601V	ILBB0402ER601V	600	1.00	200						
0603 Size										
70-ILBB0603ER600V	ILBB0603ER600V	60	0.10	400						
70-ILBB0603ER680V	ILBB0603ER680V	68	0.10	200						
70-ILBB0603ER121V	ILBB0603ER121V	120	0.20	150						
70-ILBB0603ER301V	ILBB0603ER301V	300	0.35	150						
70-ILBB0603ER601V	ILBB0603ER601V	600	0.45	100						
70-ILBB0603ER751V	ILBB0603ER751V	750	0.60	100						
70-ILBB0603ER102V	ILBB0603ER102V	1K	0.60	100						
0805 Size										
70-ILBB0805ER110V	ILBB0805ER110V	11	0.06	600						
70-ILBB0805ER170V	ILBB0805ER170V	17	0.06	600						
70-ILBB0805ER320V	ILBB0805ER320V	32	0.06	600						
70-ILBB0805ER800V	ILBB0805ER800V	80	0.15	300						
70-ILBB0805ER121V	ILBB0805ER121V	120	0.15	300						
70-ILBB0805ER151V	ILBB0805ER151V	150	0.15	300						
70-ILBB0805ER301V	ILBB0805ER301V	300	0.20	200						
70-ILBB0805ER601V	ILBB0805ER601V	600	0.30	200						
70-ILBB0805ER102V	ILBB0805ER102V	1K	0.35	100						
70-ILBB0805ER202V	ILBB0805ER202V	2K	0.50	80						

VISHAY ILB-1206 MULTILAYER FERRITE BEADS

DIMENSIONS: in.

Features:

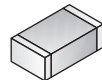
- High reliability
- Surface mountable
- Temp. range: -55°C to +125°C

Environmental Specifications:

- Thermal shock: 50 cycles, -55°C to +125°C
- Humidity: 90%RH @ +40°C with 200mA DC current, 500 hours
- Load life: +90°C @ full rated current for 2000 hours



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Imp. (Ω)	Tol.	Frequency (MHz)	DCR Max (Ω)	Rated DC Current (mA)	Price Each			Reel Price Each
							1	50	100	
70-ILB1206ER190V	ILB1206ER190V	19	±25%	100	.05	500				3000
70-ILB1206ER260V	ILB1206ER260V	26	±25%	100	.05	500				
70-ILB1206ER310V	ILB1206ER310V	31	±25%	100	.05	500				
70-ILB1206ER500V	ILB1206ER500V	50	±25%	100	.1	350				
70-ILB1206ER700V	ILB1206ER700V	70	±25%	100	.15	250				
70-ILB1206ER121V	ILB1206ER121V	120	±25%	100	.2	250				
70-ILB1206ER151V	ILB1206ER151V	150	±25%	100	.2	250				
70-ILB1206ER301V	ILB1206ER301V	300	±25%	100	.3	250				
70-ILB1206ER501V	ILB1206ER501V	500	±25%	100	.5	200				
70-ILB1206ER601V	ILB1206ER601V	600	±25%	100	.5	200				

WURTH ELECTRONICS Snap-On Ferrite EMI Filters



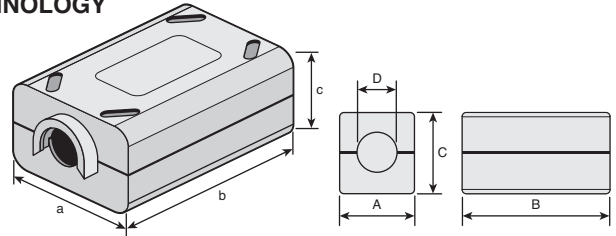
STAR-TEC ROUND CABLE SNAP FERRITES WITH SAFETY KEY TECHNOLOGY

Features:

- Built in cable guide eases the cable assembling process
- Patented case design prevents air gaps for a perfect EMI suppression
- The security lock guarantees electromagnetic compatibility because only authorized persons can unlock the snap ferrite with the STAR-TEC key
- The innovative sleek design without sharp edges makes the STAR-TEC blend in on the cable
- The ferrite core is made of NiZn, a material which provides broadband suppression from 30MHz – 1.5GHz
- Material: plastic case PA 6, UL 94 V-0
- Operating temperature: -25°C to 105°C
- Reinforced hinge design out performs competition
- Additional keys sold separately part # 710-74271**

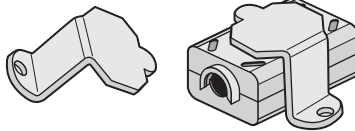
Applications:

- Internal and external computer data and power cable
- Perfect for cables with difficult access because of easy installation and removal
- Reusable because of the key technology therefore perfect for test and measuring purposes



STAR-CLIP mounting bracket for STAR-TEC snap ferrites

MOUSER STOCK NO.	Wurth Electronics Part No.	Suitable For	Price Each		
			1	25	50
710-7427711	7427711	74271112			
710-7427713	7427713	74271131 / 74271132			



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Impedance (Ω) 25MHz (1 turn)	Impedance (Ω) 25MHz (2 turns)	Impedance (Ω) 100MHz (1 turn)	Impedance (Ω) 100MHz (2 turns)	Min. Cable Dia. (mm)	Max. Cable Dia. (mm)	Dimensions: mm						Pack Qty.	Price Each			
								a	b	c	A	B	C		D	1	25	100
710-7427112	7427112	176	773	321	806	4.50	6.00	23.7	36.9	18.2	15.0	28.5	15.0	6.6	180			
710-74271131	74271131	145	607	246	755	6.00	7.50	24.2	36.4	20.1	16.0	28.0	16.0	9.0	180			
710-74271132	74271132	141	603	241	755	7.00	8.50	24.2	36.3	19.7	16.0	28.0	16.0	9.0	180			
710-74271221	74271221	151	641	270	783	8.50	10.50	33.6	37.7	29.5	25.0	28.0	25.0	13.0	140			
710-74271222	74271222	145	638	265	779	10.50	12.50	33.5	37.6	28.8	25.0	28.0	25.0	13.0	140			

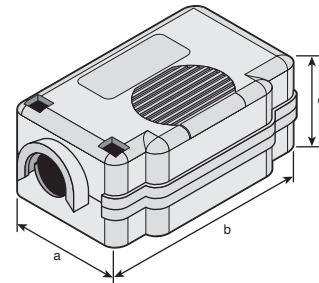
STAR-FIX WITH FLEXIBLE CABLE GRIP AND SAFETY KEY TECHNOLOGY

Features:

- NEW: with flexible cable grip
- Built in cable guide eases the cable assembling process
- Patented case design prevents air gaps for a perfect EMI suppression
- The security lock guarantees electromagnetic compatibility because only authorized persons can unlock the snap ferrite with the STAR-TEC key
- The innovative sleek design without sharp edges makes the STAR-TEC blend in on the cable
- The ferrite core is made of NiZn, a material which provides broadband suppression from 30MHz – 1.5GHz
- Material: plastic case PA 6, UL94 V-0
- Operating temperature: -25°C to 105°C
- Additional keys sold separately part # 710-74271**

Applications:

- Internal and external computer data and power cable
- Perfect for cables with difficult access because of easy installation and removal
- Reusable because of the key technology therefore perfect for test and measuring purposes



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Impedance (Ω) 25MHz (1 turn)	Impedance (Ω) 25MHz (2 turns)	Impedance (Ω) 100MHz (1 turn)	Impedance (Ω) 100MHz (2 turns)	Cable Dia. (mm)	Dimensions: mm			Pack Qty.	Price Each		
							a	b	c		1	25	100
710-74271733	74271733	145	607	246	755	4.5-8.0	22.5	35.0	19.0	280			
710-74271722	74271722	151	641	270	783	8.5-12.5	31.5	35.0	28.0	140			

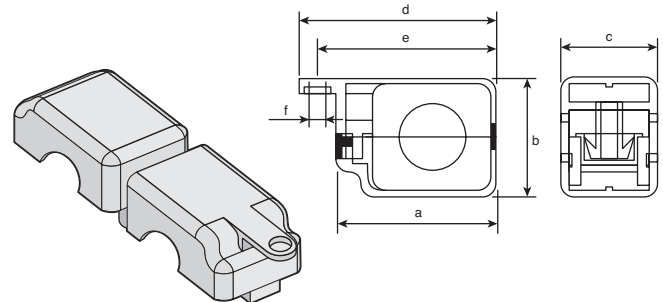
STAR-RING SNAP FERRITES WITH SAFETY KEY TECHNOLOGY

Features:

- The STAR-RING outperforms the competition due to its use of a patented no spring design which eliminates air gaps.
- Built in cable guide eases the cable assembling process
- Patented case design prevents air gaps for a perfect EMI suppression
- The security lock guarantees electromagnetic compatibility because only authorized persons can unlock the snap ferrite with the STAR-TEC key
- The innovative sleek design without any sharp edges makes the STAR-TEC blend in on the cable
- The ferrite core is made of NiZn, a material which provides broadband suppression from 30MHz – 1.5GHz
- Material: plastic case PA 6, UL 94 V-0
- Operating temperature: -25°C to 105°C
- Reinforced hinge design out performs competition.
- Additional keys sold separately part # 710-74271**

Applications:

- Internal and external computer data and power cable
- Perfect for cables with difficult access because of easy installation and removal
- Reusable because of the key technology therefore perfect for test and measuring



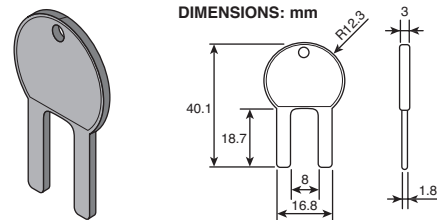
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Impedance (Ω) 25MHz (1 turn)	Impedance (Ω) 25MHz (2 turns)	Impedance (Ω) 100MHz (1 turn)	Impedance (Ω) 100MHz (2 turns)	Max Cable Dia. (mm)	A Dia. (mm)	B Dia. (mm)	Dimensions: mm						Pack Qty.	Price Each		
									a	b	c	d	e	f		1	25	100
710-7427153	7427153	83	304	165	572	8.00	8.15	17.00	23.0	20.0	20.0	30.0	25.5	3.5	400			
710-7427151	7427151	64	242	119	443	14.50	15.00	17.00	32.0	30.0	20.0	40.0	36.5	3.5	280			
710-7427154	7427154	71	271	130	495	16.00	16.30	17.00	35.0	32.0	20.0	43.0	39.5	3.5	240			
710-7427155	7427155	142	205	327	401	27.00	27.50	17.00	48.0	44.0	20.0	55.0	51.5	3.5	150			

SAFETY KEY

Features:

- Guarantees electromagnetic compatibility
- Only authorized persons can unlock the ferrite
- Ferrites become reusable because of the key



MOUSER STOCK NO.	Wurth Electronics Part No.	Description	Price Each		
			1	25	100
710-74271	74271	Safety Key, Black			

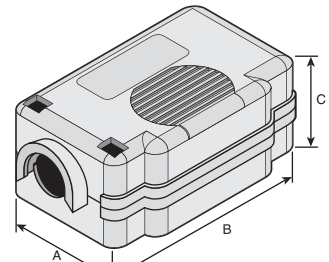
STAR-GAP W/DEFINED AIR GAP

Features:

- Worldwide first split case ferrite with „defined air-gap“ (patent pending)
- Especially helpful for EMI problems in frequency range of 100MHz up to 2.5GHz
- Data signals up to 100MHz will not be effected
- Best performance (impedance) especially with 2 windings (2 cable through)
- Low magnetic saturation of the material because of high DC current apply and therefore only low reduction of impedance because of DC current
- Pre fixing and cable protection system makes it easier to assemble and save time
- UL 94 V-0 plastic material for the case working temperature: -25°C to 105°C
- Not possible to remove from the cable without the WE key
- Non visible locking in closed conditions

Applications:

- High speed data lines, especially LAN network CAT 5 and higher
- Less interference to your electronic by wireless mobile phone radiations, bluetooth and wireless LAN
- Reduce disturbance by USB 2.0 and other fast digital signals
- Minimize the interference by fast circuits and switching power supply suppression of the harmonic waves and no damping for the signal below 100MHz
- Better performance for high DC current applications with interference problems like power supply, motor & drives and more



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Z@25MHz (Ω)		Z@100MHz (Ω)		Z@200MHz (Ω)		Z@300MHz (Ω)		Z@500MHz (Ω)		Cable Dia. (mm)	Dimensions: mm			Price Each		
		1 win	2 win	1 win	2 win	1 win	2 win	1 win	2 win	1 win	2 win		A	B	C	1	25	100
710-74271633S	74271633S	28	90	100	400	190	900	250	1750	345	1100	4.5-8.0	21.7	35.1	19			
710-74271622S	74271622S	35	135	140	640	200	1400	300	1900	400	830	8.5-12.5	31.5	35	28.3			
710-74271	74271	Safety Key, Black																

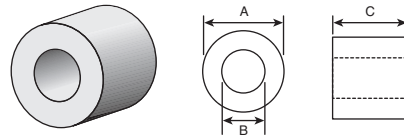
EMI SUPPRESSION TOROIDAL FERRITE BEADS

Features:

- Ferrite core made of NiZn, a material which works in a broadband frequency range
- Many different types and grades of material (NiZn) for the best possible interference suppression

Applications:

- Wires
- Coaxial cables
- Wire-wrapping cables
- Multiconductor wires
- E.g. of power supplies, data and Gauge signal lines



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Impedance (Ω) 25MHz (1 turn)	Impedance (Ω) 25MHz (2 turns)	Impedance (Ω) 100MHz (1 turn)	Impedance (Ω) 100MHz (2 turns)	Max. Cable Dia. (mm)	Material	Dimensions: mm			Price Each		
								A	B	C	1	25	100
710-74270111	74270111	30	123	50	151	3	4 W 620	7.3	3.3	4.3			
710-742701712	742701712	44	134	75	203	4.5	7 W 700	9.0	5.0	8.0			
710-74270121	74270121	76	195	123	370	4.6	4 W 620	19	11.5	8.0			
710-74270113	74270113	68	256	126	405	4.6	4 W 620	11.5	5.0	9.0			
710-74270161	74270161	25	115	37	136	4.7	3 W 800	10.0	5.0	3.7			
710-74270176	74270176	38	105	60	170	4.7	7 W 850	10.0	5.0	5.0			
710-742701707	742701707	40	191	100	305	9.5	7 W 850	20.0	10.0	10.0			
710-74270117	74270117	41	215	161	343	9.6	3 W 800	14.0	10.0	8.0			
710-74270182	74270182	55	200	65	265	10	4 W 1500	18.6	10.2	10.0			
710-74270181	74270181	59	237	83	307	10.3	4 W 1500	17.5	10.7	12.7			
710-74270110	74270110	47	131	70	195	11.5	4 W 1500	16.0	12.0	16.0			
710-7427012	7427012	76	342	148	471	11.8	4 W 620	23.5	12.6	14.0			
710-74270118	74270118	30	100	70	170	12.3	3 W 800	21.2	12.7	6.0			
710-74270119	74270119	45	187	133	398	13.3	3 W 800	22.5	13.8	6.4			
710-7427013	7427013	72	295	159	428	15.5	3 W 800	28.0	16.0	13.0			
710-742701110	742701110	45	205	152	330	17.5	3 W 800	16.0	12.0	16.0			
710-742701111	742701111	55	208	155	335	18.5	3 W 800	29.5	19.0	7.7			
710-74270104	74270104	35	133	67	251	18.5	4 W 620	31.7	19.0	8.0			
710-74270115	74270115	80	221	167	350	18.5	3 W 800	31.5	19.0	16.0			
710-74270151	74270151	56	207	101	416	20.4	4 W 620	34.6	20.8	12.7			
710-742701112	742701112	39	165	127	350	24.8	3 W 800	35.6	25.4	7.5			
710-7427015	7427015	54	217	108	399	26.9	4 W 620	40.6	27.4	15.0			

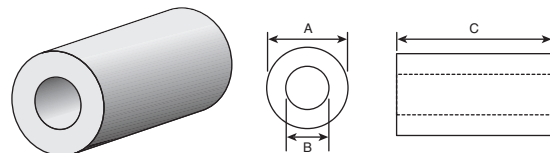
EMI SUPPRESSION AXIAL FERRITE BEADS

Features:

- Ferrite core made of NiZn, a material which works in a broadband frequency range
- Many different types and grades of materials (NiZn) for the best possible interference suppression
- Suitable for interference suppression within the HF and VHF range

Applications:

- Wires
- Coaxial cables
- Wire-wrapping cables
- Multiconductor wires
- E.g. of power supplies, data and Gauge signal lines



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Impedance (Ω) 25MHz (1 turn)	Impedance (Ω) 25MHz (2 turns)	Impedance (Ω) 100MHz (1 turn)	Impedance (Ω) 100MHz (2 turns)	Max. Cable Dia. (mm)	Material	Dimensions: mm			Price Each		
								A	B	C	1	25	100
710-74270033	74270033	56	243	162	501	4.4	3 W 800	9.50	4.75	9.50			
710-74270030	74270030	125	128	158	418	4.6	3 W 800	11.50	5.00	18.50			
710-74270031	74270031	163	608	198	625	4.6	4 W 1500	11.50	5.00	20.50			
710-74270032	74270032	170	703	255	1001	4.6	4 W 620	11.50	5.00	25.00			
710-74270060	74270060	120	518	192	714	5.9	4 W 620	14.10	6.30	18.00			
710-7427004	7427004	180	767	158	709	5.9	4 W 620	14.10	6.30	28.60			
710-74270077	74270077	154	402	278	510	6	7 W 380	14.20	6.35	28.50			
710-74270061	74270061	85	331	120	430	6	4 W 1500	9.90	6.35	19.50			
710-74270035	74270035	173	567	275	731	6.5	4 W 620	15.50	6.90	20.00			
710-74270045	74270045	133	535	211	845	7	4 W 620	14.20	7.20	25.00			
710-74270034	74270034	85	326	160	454	6.9	3 W 800	12.10	7.30	15.50			
710-74270044	74270044	300	774	451	805	7.5	4 W 620	15.85	7.93	50.80			
710-74270053	74270053	195	354	258	568	7.6	3 W 800	16.00	8.00	28.50			
710-742700781	742700781	120	420	220	600	8	7 W 700	14.20	8.20	28.50			
710-7427006	7427006	46	70	70	232	8.1	4 W 620	12.00	8.50	15.00			
710-74270054	74270054	83	339	143	577	8.6	4 W 620	16.00	9.00	17.00			
710-7427005	7427005	133	544	217	705	8.6	4 W 620	16.00	9.00	28.00			
710-74270091	74270091	71	252	170	386	9.1	3 W 800	17.50	9.50	12.70			
710-74270055	74270055	133	453	225	554	9.8	4 W 620	18.60	10.20	28.50			
710-74270093	74270093	90	387	150	648	10	4 W 620	17.50	10.70	25.00			
710-74270057	74270057	202	843	338	808	11	4 W 620	19.00	11.50	50.80			
710-74270095	74270095	115	459	153	577	17.5	4 W 1500	28.00	18.00	28.50			
710-74270096	74270096	116	320	192	519	15	4 W 620	26.00	15.50	28.50			
710-74270097	74270097	64	323	133	680	33.4	4 W 620	61.00	35.50	12.70			

Würth Electronics EMI Suppression

WURTH ELECTRONICS Ferrite Chip Beads



SMD EMI SUPPRESSION FERRITE BEADS WE-CBF

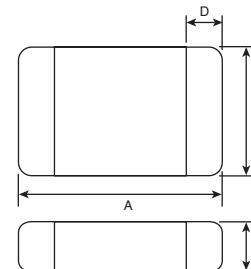
Features:

- The special SMD chip bead ferrites can be put directly on the printed circuit board
- They offer excellent anti-EMI properties and low DC-resistance
- Placed very close next to the interference source even with smallest size 0402.
- Maximal impedances at 660W can be reached

Applications:

- Reliable Ni-Sn electrodes
- Suitable for wave and reflow soldering as well as pasting
- Perfect as data lined filter and for uncoupling of distribution voltage
- High rated current up to 6A
- Highly extended spectrum

Dimensions: mm				
Size	A	B	C	D
0402	1	0.5	0.5	0.25
0603	1.6	0.8	0.8	0.3
0805	2	1.2	0.9	0.5
1206	3.2	1.6	1.6	0.5
1210	3.2	2.5	1.3	0.5
1806	4.5	1.6	1.6	0.5
1812	4.5	3.2	1.5	0.5

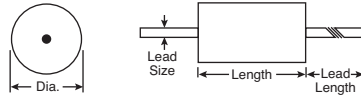
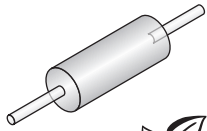


MOUSER STOCK NO.	Wurth Electronics Part No.	Case Size	Impedance @ 100MHz (Ω)	RDC Max. (Ω)	In Max. (mA)	Max. Impedance (Ω)	Type	Price Each			Reel Qty.	Price per Piece
								1	25	100		
710-742792701	742792701	0402	10	0.05	500	16 @ 1000	High Speed				10000	
710-74279270	74279270	0402	40	0.3	300	60 @ 800	High Speed				4000	
710-74279276	74279276	0402	60	0.35	300	84 @ 550	High Speed				4000	
710-74279271	74279271	0402	120	0.4	300	200 @ 600	Wide Band				4000	
710-742792780	742792780	0402	220	0.4	200	360 @ 450	High Speed				4000	
710-74279278	74279278	0402	240	0.7	200	290 @ 350	Wide Band				4000	
710-74279272	74279272	0402	300	0.8	200	400 @ 380	Wide Band				4000	
710-74279279	74279279	0402	600	1	200	660 @ 180	Wide Band				4000	
710-742792796	742792796	0402	1000	1.5	200	1200 @ 200	Wide Band				10000	
710-74279268	74279268	0603	15	0.1	500	60 @ 1000	High Speed				4000	
710-742792604	742792604	0603	22	0.05	1000	40 @ 1000	High Current				4000	
710-742792603	742792603	0603	28	0.03	4000	45 @ 1000	High Current				4000	
710-742792609	742792609	0603	30	0.04	3000	40 @ 1000	High Current				4000	
710-74279260	74279260	0603	40	0.15	400	60 @ 1000	High Speed				4000	
710-742792608	742792608	0603	47	0.1	500	75 @ 1000	High Speed				4000	
710-74279267	74279267	0603	60	0.3	500	110 @ 650	Wide Band				4000	
710-74279261	74279261	0603	80	0.3	200	350 @ 450	High Speed				4000	
710-742792620	742792620	0603	100	0.15	500	125 @ 450	Wide Band				4000	
710-74279262	74279262	0603	120	0.3	500	200 @ 510	Wide Band				4000	
710-742792622	742792622	0603	180	0.3	500	290 @ 380	Wide Band				4000	
710-74279263	74279263	0603	220	0.3	500	280 @ 350	Wide Band				4000	
710-742792641	742792641	0603	300	0.015	2000	450 @ 250	High Current				4000	
710-742792640	742792640	0603	300	0.35	300	1500 @ 250	High Speed				4000	
710-742792642	742792642	0603	470	0.45	200	780 @ 300	Wide Band				4000	
710-742792651	742792651	0603	600	0.2	1000	800 @ 200	High Current				4000	
710-74279265	74279265	0603	600	0.45	200	720 @ 200	Wide Band				4000	
710-74279266A	74279266A	0603	1000	0.6	200	1350 @ 140	Wide Band				4000	
710-742792664	742792664	0603	1000	0.6	300	1100 @ 120	High Speed				4000	
710-742792663	742792663	0603	1000	0.85	100	1100 @ 150	Wide Band				4000	
710-742792691	742792691	0603	1500	0.7	50	1900 @ 140	Wide Band				4000	
710-742792693	742792693	0603	2200	0.8	50	2250 @ 110	Wide Band				4000	
710-742792695	742792695	0603	2500	1	50	3000 @ 70	Wide Band				4000	
710-742792010	742792010	0805	7	0.03	3000	11 @ 1000	High Current				4000	
710-7427920	7427920	0805	11	0.15	600	24 @ 1000	High Speed				4000	
710-74279206	74279206	0805	30	0.025	3000	55 @ 1000	High Current				4000	
710-74279201	74279201	0805	32	0.15	500	70 @ 1000	High Speed				4000	
710-742792063	742792063	0805	60	0.025	3000	90 @ 500	High Current				4000	
710-742792064	742792064	0805	75	0.2	300	300 @ 500	High Speed				4000	
710-742792023	742792023	0805	120	0.03	3000	180 @ 250	High Current				4000	
710-74279202	74279202	0805	120	0.1	500	200 @ 400	High Speed				4000	
710-742792022	742792022	0805	220	0.05	2000	330 @ 300	High Current				4000	
710-742792034	742792034	0805	220	0.3	300	300 @ 240	High Speed				4000	
710-742792037	742792037	0805	330	0.08	2000	375 @ 250	High Current				4000	
710-742792036	742792036	0805	470	0.3	200	560 @ 190	Wide Band				4000	
710-742792040	742792040	0805	600	0.15	2000	700 @ 150	High Current				4000	
710-7427920415	7427920415	0805	600	0.3	500	660 @ 150	Wide Band				4000	
710-74279204	74279204	0805	600	0.35	200	700 @ 160	Wide Band				4000	
710-742792041	742792041	0805	600	0.4	200	700 @ 160	Wide Band				4000	
710-74279205	74279205	0805	1000	0.45	200	1050 @ 120	Wide Band				4000	
710-742792097	742792097	0805	1500	0.3	1000	1800 @ 70	High Current				4000	
710-742792091	742792091	0805	1500	0.55	200	1500 @ 100	Wide Band				4000	
710-742792090	742792090	0805	1800	0.4	200	2000 @ 120	High Speed				4000	
710-742792093	742792093	0805	2200	0.6	200	3000 @ 80	Wide Band				4000	
710-742792095	742792095	0805	2700	0.6	200	2700 @ 100	Wide Band				4000	
710-742792112	742792112	1206	31	0.04	3000	52 @ 1000	High Current				3000	
710-742792114	742792114	1206	50	0.025	3000	82 @ 1000	High Current				3000	
710-74279215	74279215	1206	80	0.03	3000	160 @ 550	High Current				3000	
710-742792113	742792113	1206	120	0.03	3000	180 @ 500	High Current				3000	
710-742792122	742792122	1206	220	0.3	300	240 @ 200	Wide Band				3000	
710-74279214	74279214	1206	1000	0.45	200	1250 @ 75	Wide Band				3000	
710-74279218	74279218	1206	6000	0.1	2000	700 @ 90	High Current				3000	
710-742792310	742792310	1210	30	0.05	3000	50 @ 900	High Current				2000	
710-742792311	742792311	1210	52	0.05	3000	90 @ 1000	High Current				2000	
710-742792312	742792312	1210	65	0.03	3000	110 @ 1000	High Current				2000	
710-7427923	7427923	1210	90	0.3	400	180 @ 1000	High Speed				2000	
710-742792410	742792410	1806	60	0.01	6000	120 @ 1000	High Current				2000	
710-742792411	742792411	1806	80	0.04	3000	140 @ 1000	High Current				2000	
710-74279245	74279245	1806	110	0.035	4000	170 @ 600	High Current				2000	
710-74279242	74279242	1806	150	0.5	200	280 @ 500	Wide Band				2000	
710-74279244	74279244	1806	850	0.1	1500	1250 @ 50	High Current				2000	
710-742792510	742792510	1812	70	0.03	6000	120 @ 1000	High Current				1000	
710-742792511	742792511	1812	120	0.05	3000	190 @ 6000	High Current				1000	
710-742792515	742792515	1812	530	0.05	3000	1300 @ 60	High Current				1000	
710-742792514	742792514	1812	600	0.04	3000	600 @ 100	High Current				1000	

API DELEVAN Power Inductors

API Delevan

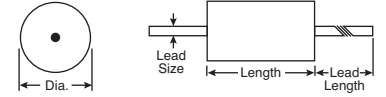
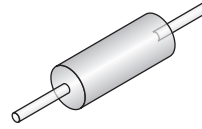
1025R SERIES



Physical Parameters		
	Inches	Millimeters
Length	0.250 ± 0.010	6.35 ± 0.25
Diameter	0.095 ± 0.010	2.41 ± 0.25
Lead Size: AWG #24 TCW	0.020 ± 0.0015	0.508 ± 0.038
Lead Length	1.5 ± 0.12	38.1 ± 3.05

RoHS Compliant

This product is RoHS compliant.
2474R SERIES



Physical Parameters		
	Inches	Millimeters
Length	0.740 ± 0.010	18.80 ± 0.25
Diameter	0.240 ± 0.010	6.10 ± 0.25
Lead Size: AWG #24 TCW	0.032 ± 0.002	0.813 ± 0.051
Lead Length	1.44 ± 0.12	36.58 ± 3.05

RoHS Compliant

Inductors

API Delevan

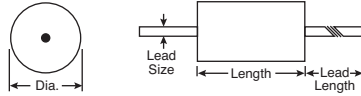
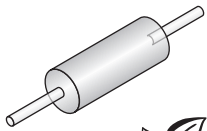
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	I dc. Max. (mA)	Price Each				
						1	10	100	500	
Phenolic Core										
807-1025R-94K	1025R-94K	0.10	40	25	1380					
807-1025R-96K	1025R-96K	0.12	40	25	1300					
807-1025R-08K	1025R-08K	0.33	30	25	830					
807-1025R-10K	1025R-10K	0.39	30	25	710					
807-1025R-12K	1025R-12K	0.47	30	25	660					
807-1025R-16K	1025R-16K	0.68	28	25	500					
807-1025R-20K	1025R-20K	1.0	25	25	390					
Iron Core										
807-1025R-28K	1025R-28K	2.2	30	7.9	415					
807-1025R-30K	1025R-30K	2.7	37	7.9	355					
807-1025R-32K	1025R-32K	3.3	45	7.9	285					
807-1025R-36K	1025R-36K	4.7	45	7.9	239					
807-1025R-40K	1025R-40K	6.8	50	7.9	185					
807-1025R-42K	1025R-42K	8.2	55	7.9	160					
807-1025R-44K	1025R-44K	10	55	7.9	144					
807-1025R-46K	1025R-46K	12	45	2.5	160					
807-1025R-48K	1025R-48K	15	45	2.5	157					
807-1025R-52K	1025R-52K	22	50	2.5	144					
Ferrite Core										
807-1025R-56K	1025R-56K	33	45	2.5	130					
807-1025R-58K	1025R-58K	39	45	2.5	125					
807-1025R-60K	1025R-60K	47	45	2.5	110					
807-1025R-64K	1025R-64K	68	50	2.5	92					
807-1025R-68K	1025R-68K	100	50	2.5	84					
807-1025R-72K	1025R-72K	150	30	0.79	61					
807-1025R-84K	1025R-84K	470	30	0.79	36					
807-1025R-86K	1025R-86K	560	30	0.79	35					
807-1025R-92K	1025R-92K	1000	30	0.79	28					

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	DCR Max.	I dc. Max. (mA)	Price Each			
					1	10	100	500
807-2474R-01L	2474R-01L	1.0	0.009	6.27				
807-2474R-09L	2474R-09L	4.7	0.022	4.01				
807-2474R-12L	2474R-12L	8.2	0.028	3.55				
807-2474R-13L	2474R-13L	10	0.033	3.27				
807-2474R-15L	2474R-15L	15	0.04	2.97				
807-2474R-16L	2474R-16L	18	0.044	2.84				
807-2474R-17L	2474R-17L	22	0.05	2.66				
807-2474R-18L	2474R-18L	27	0.07	2.25				
807-2474R-19L	2474R-19L	33	0.075	2.17				
807-2474R-20L	2474R-20L	39	0.084	2.05				
807-2474R-21L	2474R-21L	47	0.104	1.84				
807-2474R-22L	2474R-22L	56	0.13	1.65				
807-2474R-24L	2474R-24L	82	0.152	1.53				
807-2474R-25L	2474R-25L	100	0.208	1.3				
807-2474R-26L	2474R-26L	120	0.283	1.12				
807-2474R-29L	2474R-29L	220	0.505	0.84				
807-2474R-33L	2474R-33L	470	1.03	0.59				
807-2474R-37L	2474R-37L	1000	2.3	0.39				

1641R SERIES

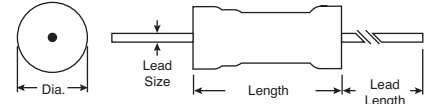


Physical Parameters		
	Inches	Millimeters
Length	0.410 ± 0.020	10.41 ± 0.51
Diameter	0.162 ± 0.010	4.11 ± 0.25
Lead Size: AWG #24 TCW	0.025 ± 0.002	0.635 ± 0.05
Lead Length	1.44 ± 0.12	36.58 ± 3.05

RoHS Compliant

4590R SERIES

RoHS Compliant



Physical Parameters		
	Inches	Millimeters
Length	0.900 Max.	22.86 Max.
Diameter	0.455 Max.	11.55 Max.
Lead Size: AWG #20 TCW	0.032 ± 0.002	0.813 ± 0.05
Lead Length	1.10 Min.	27.94 Min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	I dc. Max. (mA)	Price Each				
						1	10	100	500	
Phenolic Core/Iron Sleeve										
807-1641R-121K	1641R-121K	0.12	51	25	1570					
807-1641R-151K	1641R-151K	0.15	51	25	1500					
807-1641R-181K	1641R-181K	0.18	50	25	1330					
807-1641R-221K	1641R-221K	0.22	49	25	1120					
807-1641R-271K	1641R-271K	0.27	47	25	870					
807-1641R-331K	1641R-331K	0.33	46	25	800					
807-1641R-391K	1641R-391K	0.39	44	25	680					
807-1641R-471K	1641R-471K	0.47	44	25	580					
807-1641R-561K	1641R-561K	0.56	43	25	505					
807-1641R-681K	1641R-681K	0.68	42	25	430					
807-1641R-821K	1641R-821K	0.82	40	25	375					
Iron Core/Iron Sleeve										
807-1641R-102K	1641R-102K	1.0	44	25	1090					
807-1641R-152K	1641R-152K	1.5	44	7.9	835					
807-1641R-182K	1641R-182K	1.8	44	7.9	775					
807-1641R-222K	1641R-222K	2.2	44	7.9	665					
807-1641R-392K	1641R-392K	3.9	44	7.9	455					
807-1641R-472K	1641R-472K	4.7	44	7.9	390					
807-1641R-682K	1641R-682K	6.8	50	7.9	285					
807-1641R-822K	1641R-822K	8.2	50	7.9	250					
807-1641R-103K	1641R-103K	10	50	7.9	228					
Ferrite Core/Ferrite Sleeve										
807-1641R-153K	1641R-153K	15	45	2.5	325					
807-1641R-333K	1641R-333K	33	45	2.5	248					
807-1641R-473K	1641R-473K	47	50	2.5	200					
807-1641R-563K	1641R-563K	56	50	2.5	194					
807-1641R-104K	1641R-104K	100	50	2.5	164					
807-1641R-124K	1641R-124K	120	55	0.79	153					
807-1641R-224K	1641R-224K	220	55	0.79	130					
807-1641R-474K	1641R-474K	470	60	0.79	94					
807-1641R-105K	1641R-105K	1000	60	0.79	70					

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	DCR Max.	I dc. Max. (mA)	Price Each			
					1	10	100	500
807-4590R-392K	4590R-392K	3.9	0.007	9.75				
807-4590R-562K	4590R-562K	5.6	0.011	7.77				
807-4590R-103K	4590R-103K	10	0.016	6.44				
807-4590R-123K	4590R-123K	12	0.018	6.07				
807-4590R-153K	4590R-153K	15	0.02	5.76				
807-4590R-273K	4590R-273K	27	0.025	5.15				
807-4590R-333K	4590R-333K	33	0.028	4.87				
807-4590R-393K	4590R-393K	39	0.028	4.87				
807-4590R-473K	4590R-473K	47	0.034	4.45				
807-4590R-683K	4590R-683K	68	0.059	3.35				
807-4590R-823K	4590R-823K	82	0.066	3.17				
807-4590R-104K	4590R-104K	100	0.084	2.81				
807-4590R-154K	4590R-154K	150	0.129	2.27				
807-4590R-224K	4590R-224K	220	0.162	2.02				
807-4590R-334K	4590R-334K	330	0.257	1.61				
807-4590R-394K	4590R-394K	390	0.288	1.52				
807-4590R-474K	4590R-474K	470	0.393	1.3				
807-4590R-684K	4590R-684K	680	0.57	1.08				
807-4590R-824K	4590R-824K	820	0.643	1.01				
807-4590R-105K	4590R-105K	1000	0.844	0.89				
807-4590R-155K	4590R-155K	1500	1.18	0.75				

API DELEVAN SMD Power Inductors

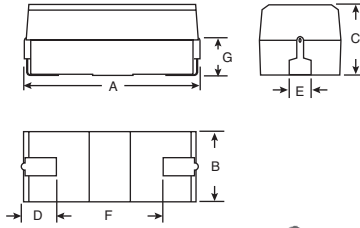
API Delevan

RoHS Compliant This product is RoHS compliant.

5500R SERIES

Specifications:

- Operating Temperature: -55°C to +130°C
- Current Rating @ 85°C Ambient with 45°C Rise



Physical Parameters		
	Inches	Millimeters
A	1.020 to 1.080	25.91 to 27.44
B	0.480 to 0.510	12.20 to 12.96
C	0.510 Max.	12.96 Max.
D	0.240 Min.	6.10 Min.
E	0.120 to 0.160	3.05 to 4.07
F	0.500 (Ref Only)	12.70 (Ref Only)
G	0.250 (Ref Only)	6.35 (Ref Only)

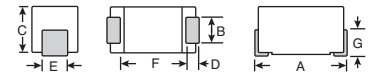
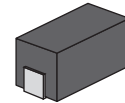
Dimensions "A" and "C" are over terminals.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	DCR Max.	Idc. Max. (A)	Price Each			
					1	10	100	500
807-5500R-392K	5500R-392K	3.9	0.007	11.91				
807-5500R-472K	5500R-472K	4.7	0.008	11.14				
807-5500R-562K	5500R-562K	5.6	0.011	9.50				
807-5500R-682K	5500R-682K	6.8	0.012	9.10				
807-5500R-822K	5500R-822K	8.2	0.013	8.74				
807-5500R-103K	5500R-103K	10	0.016	7.88				
807-5500R-123K	5500R-123K	12	0.018	7.43				
807-5500R-153K	5500R-153K	15	0.020	7.05				
807-5500R-183K	5500R-183K	18	0.022	6.72				
807-5500R-223K	5500R-223K	22	0.024	6.43				
807-5500R-273K	5500R-273K	27	0.025	6.30				
807-5500R-333K	5500R-333K	33	0.028	5.96				
807-5500R-393K	5500R-393K	39	0.031	5.66				
807-5500R-473K	5500R-473K	47	0.034	5.41				
807-5500R-563K	5500R-563K	56	0.043	4.81				
807-5500R-683K	5500R-683K	68	0.060	4.08				
807-5500R-823K	5500R-823K	82	0.066	3.88				
807-5500R-104K	5500R-104K	100	0.084	3.44				
807-5500R-124K	5500R-124K	120	0.113	2.96				
807-5500R-154K	5500R-154K	150	0.129	2.78				
807-5500R-184K	5500R-184K	180	0.150	2.57				
807-5500R-224K	5500R-224K	220	0.162	2.48				
807-5500R-274K	5500R-274K	270	0.226	2.10				
807-5500R-334K	5500R-334K	330	0.257	1.97				
807-5500R-394K	5500R-394K	390	0.288	1.86				
807-5500R-474K	5500R-474K	470	0.393	1.59				
807-5500R-564K	5500R-564K	560	0.504	1.40				
807-5500R-684K	5500R-684K	680	0.570	1.32				
807-5500R-824K	5500R-824K	820	0.643	1.24				
807-5500R-105K	5500R-105K	1000	0.844	1.08				
807-5500R-125K	5500R-125K	1200	0.977	1.01				
807-5500R-155K	5500R-155K	1500	1.18	0.92				
807-5500R-185K	5500R-185K	1800	1.50	0.81				
807-5500R-225K	5500R-225K	2200	1.76	0.75				
807-5500R-275K	5500R-275K	2700	2.13	0.68				
807-5500R-335K	5500R-335K	3300	2.53	0.63				
807-5500R-395K	5500R-395K	3900	2.84	0.59				
807-5500R-475K	5500R-475K	4700	3.79	0.51				
807-5500R-565K	5500R-565K	5600	4.24	0.48				
807-5500R-685K	5500R-685K	6800	5.75	0.42				
807-5500R-825K	5500R-825K	8200	6.44	0.39				
807-5500R-106K	5500R-106K	10000	7.30	0.37				
807-5500R-126K	5500R-126K	12000	9.34	0.33				
807-5500R-156K	5500R-156K	15000	10.7	0.30				
807-5500R-186K	5500R-186K	18000	14.8	0.26				
807-5500R-226K	5500R-226K	22000	18.0	0.23				
807-5500R-276K	5500R-276K	27000	22.7	0.21				
807-5500R-336K	5500R-336K	33000	25.7	0.20				
807-5500R-396K	5500R-396K	39000	29.7	0.18				
807-5500R-476K	5500R-476K	47000	33.7	0.17				
807-5500R-566K	5500R-566K	56000	38.0	0.16				
807-5500R-686K	5500R-686K	68000	52.8	0.14				
807-5500R-826K	5500R-826K	82000	67.3	0.12				
807-5500R-107K	5500R-107K	10000	76.0	0.11				

4922R SERIES

- Operating Temperature: -55°C to +125°C
- Current Rating at 85°C Ambient: 40°C Rise



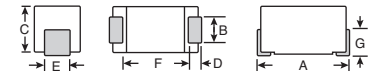
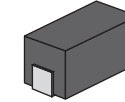
Physical Parameters		
	Inches	Millimeters
A	0.490 to 0.520	12.44 to 13.21
B	0.230 to 0.250	5.84 to 6.35
C	0.210 to 0.230	5.33 to 5.84
D	0.050 Min.	1.27 Min.
E	0.055 to 0.075	1.40 to 1.91
F	0.330 (Ref Only)	8.38 (Ref Only)
G	0.120 (Ref Only)	3.04 (Ref Only)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	DCR Max. (Ω)	Idc. Max. (mA)	Price Each			
					1	10	50	100
807-4922R-271L	4922R-271L	0.27	0.0085	6.75				
807-4922R-471L	4922R-471L	0.47	0.010	6.00				
807-4922R-01L	4922R-01L	1.0	0.013	5.50				
807-4922R-03L	4922R-03L	1.5	0.020	4.45				
807-4922R-05L	4922R-05L	2.2	0.029	3.70				
807-4922R-07L	4922R-07L	3.3	0.038	3.23				
807-4922R-09L	4922R-09L	4.7	0.047	2.90				
807-4922R-11L	4922R-11L	6.8	0.058	2.61				
807-4922R-13L	4922R-13L	10	0.071	2.36				
807-4922R-16L	4922R-16L	18	0.119	1.82				
807-4922R-17L	4922R-17L	22	0.152	1.61				
807-4922R-19L	4922R-19L	33	0.222	1.33				
807-4922R-20L	4922R-20L	39	0.315	1.12				
807-4922R-21L	4922R-21L	47	0.362	1.04				
807-4922R-22L	4922R-22L	56	0.397	1.00				
807-4922R-23L	4922R-23L	68	0.418	0.97				
807-4922R-25L	4922R-25L	100	0.672	0.76				
807-4922R-29L	4922R-29L	220	1.58	0.50				
807-4922R-31L	4922R-31L	330	2.51	0.39				
807-4922R-37L	4922R-37L	1000	6.90	0.24				
807-4922R-38L	4922R-38L	1200	10	0.20				
807-4922R-41L	4922R-41L	2200	20	0.141				
807-4922R-42L	4922R-42L	2700	23	0.131				
807-4922R-43L	4922R-43L	3300	25	0.126				
807-4922R-48L	4922R-48L	8200	66	0.077				

P1330R SERIES

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Tolerance: ±10%



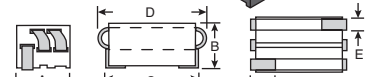
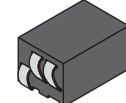
Physical Parameters		
	Inches	Millimeters
A	0.300 to 0.325	7.62 to 8.26
B	0.105 to 0.125	2.67 to 3.18
C	0.125 to 0.145	3.18 to 3.68
D	0.020 Min.	0.508 Min.
E	0.040 to 0.060	1.02 to 1.52
F	0.190 (Ref Only)	4.83 (Ref Only)
G	0.070 (Ref Only)	1.78 (Ref Only)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	DCR Max. (Ω)	Idc. Max. (mA)	Price Each			
					1	10	50	100
807-P1330R-152K	P1330R-152K	1.5	0.043	2030				
807-P1330R-182K	P1330R-182K	1.8	0.048	1950				
807-P1330R-272K	P1330R-272K	2.7	0.080	1550				
807-P1330R-332K	P1330R-332K	3.3	0.108	1460				
807-P1330R-822K	P1330R-822K	8.2	0.180	1020				
807-P1330R-153K	P1330R-153K	15	0.288	858				
807-P1330R-473K	P1330R-473K	47	0.792	467				
807-P1330R-683K	P1330R-683K	68	1.02	384				
807-P1330R-823K	P1330R-823K	82	1.38	362				
807-P1330R-154K	P1330R-154K	150	2.04	272				
807-P1330R-184K	P1330R-184K	180	2.40	261				
807-P1330R-224K	P1330R-224K	220	2.65	223				

SMB2.5R SERIES

- Operating Temperature: -40°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Tolerance: ±10%



Physical Parameters		
	Inches	Millimeters
A	0.285 ± 0.010	7.2 ± 0.25
B	0.185 ± 0.015	4.7 ± 0.38
C	0.355 ± 0.020	9.02 ± 0.51
D	0.460 Max.	11.68 Max.
E	0.050 ± 0.005	1.27 ± 0.13
F	0.075 Min.	1.9 Min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each			
						1	50	100	350
807-SMB2.5R-1	SMB2.5R-1	2.5	0.005	385	9.5				
807-SMB2.5R-2	SMB2.5R-2	2.5	0.005	490	9.5				

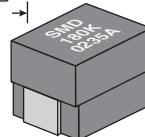
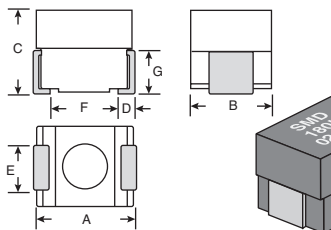
S1008R SERIES

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating @ 90°C Ambient with 35°C Rise

Physical Parameters		
	Inches	Millimeters
A	0.095 to 0.115	2.41 to 2.92
B	0.085 to 0.105	2.16 to 2.66
C	0.075 to 0.095	1.91 to 2.41
D	0.010 to 0.030	0.26 to 0.76
E	0.040 to 0.060	1.02 to 1.52
F	0.060 (Ref Only)	1.52 (Ref Only)
G	0.045 (Ref Only)	1.14 (Ref Only)

Dimensions "A" and "C" are over terminals.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each			
						1	50	100	350
807-S1008R-101K	S1008R-101K	0.10	40	25	1120				
807-S1008R-221K	S1008R-221K	0.22	40	25	930				
807-S1008R-911K	S1008R-911K	0.91	40	25	685				

API DELEVAN SMD Power Inductors

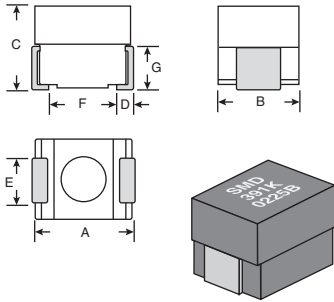
API Delevan

RoHS Compliant This product is RoHS compliant.

S1210R SERIES

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating @ 90°C Ambient with 35°C Rise



Physical Parameters		
	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.67
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref Only)	1.78 (Ref Only)
G	0.054 (Ref Only)	1.37 (Ref Only)

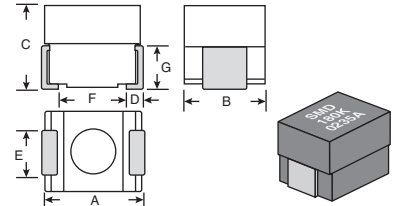
Dimensions "A" and "C" are over terminals.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	I dc. Max. (mA)	Price Each			
						1	10	100	500
Iron Core									
807-S1210R-151K	S1210R-151K	0.15	40	25	979				
807-S1210R-221K	S1210R-221K	0.22	40	25	876				
807-S1210R-271K	S1210R-271K	0.27	40	25	800				
807-S1210R-821K	S1210R-821K	0.82	40	25	565				
Ferrite Core									
807-S1210R-102K	S1210R-102K	1.0	40	7.9	635				
807-S1210R-152K	S1210R-152K	1.5	40	7.9	532				
807-S1210R-182K	S1210R-182K	1.8	40	7.9	498				
807-S1210R-222K	S1210R-222K	2.2	40	7.9	470				
807-S1210R-272K	S1210R-272K	2.7	40	7.9	464				
807-S1210R-332K	S1210R-332K	3.3	40	7.9	449				
807-S1210R-392K	S1210R-392K	3.9	40	7.9	441				
807-S1210R-472K	S1210R-472K	4.7	40	7.9	402				
807-S1210R-562K	S1210R-562K	5.6	40	7.9	352				
807-S1210R-682K	S1210R-682K	6.8	40	7.9	328				
807-S1210R-822K	S1210R-822K	8.2	40	7.9	308				
807-S1210R-103K	S1210R-103K	10	40	2.5	291				
807-S1210R-273K	S1210R-273K	27	40	2.5	201				
807-S1210R-393K	S1210R-393K	39	40	2.5	179				
807-S1210R-473K	S1210R-473K	47	40	2.5	171				
807-S1210R-563K	S1210R-563K	56	40	2.5	160				
807-S1210R-683K	S1210R-683K	68	40	2.5	152				
807-S1210R-104K	S1210R-104K	100	40	2.5	127				

1210R SERIES

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise



Physical Parameters		
	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.67
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref Only)	1.78 (Ref Only)
G	0.054 (Ref Only)	1.37 (Ref Only)

Dimensions "A" and "C" are over terminals.

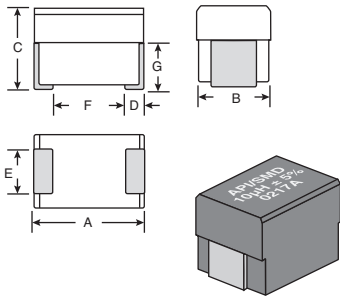
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	I dc. Max. (mA)	Price Each			
						1	10	50	100
Phenolic Core: ±10% Tolerance									
807-1210R-150K	1210R-150K	0.015	30	50	871				
807-1210R-220K	1210R-220K	0.022	30	50	779				
807-1210R-270K	1210R-270K	0.027	30	50	743				
807-1210R-330K	1210R-330K	0.033	30	50	711				
807-1210R-680K	1210R-680K	0.068	30	50	580				
Iron Core: ±10% Tolerance									
807-1210R-101K	1210R-101K	0.10	30	25	1018				
807-1210R-221K	1210R-221K	0.22	30	25	805				
807-1210R-331K	1210R-331K	0.33	30	25	720				
807-1210R-471K	1210R-471K	0.47	30	25	644				
807-1210R-561K	1210R-561K	0.56	30	25	614				
807-1210R-681K	1210R-681K	0.68	30	25	588				
807-1210R-821K	1210R-821K	0.82	30	25	556				
Ferrite Core: ±5% Tolerance									
807-1210R-102J	1210R-102J	1.0	30	7.9	515				
807-1210R-122J	1210R-122J	1.2	30	7.9	497				
807-1210R-152J	1210R-152J	1.5	30	7.9	467				
807-1210R-222J	1210R-222J	2.2	30	7.9	431				
807-1210R-332J	1210R-332J	3.3	30	7.9	393				
807-1210R-392J	1210R-392J	3.9	30	7.9	378				
807-1210R-472J	1210R-472J	4.7	30	7.9	352				
807-1210R-562J	1210R-562J	5.6	30	7.9	341				
807-1210R-682J	1210R-682J	6.8	30	7.9	321				
807-1210R-822J	1210R-822J	8.2	30	7.9	305				
807-1210R-103J	1210R-103J	10	30	7.9	297				
807-1210R-123J	1210R-123J	12	30	2.5	272				
807-1210R-153J	1210R-153J	15	30	2.5	257				
807-1210R-183J	1210R-183J	18	30	2.5	237				
807-1210R-333J	1210R-333J	33	30	2.5	182				
807-1210R-393J	1210R-393J	39	30	2.5	170				
807-1210R-473J	1210R-473J	47	30	2.5	163				
807-1210R-563J	1210R-563J	56	30	2.5	152				
807-1210R-823J	1210R-823J	82	30	2.5	136				
807-1210R-104J	1210R-104J	100	30	2.5	120				

S1812R SERIES

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating @ 90°C Ambient with 35°C Rise



Physical Parameters		
	Inches	Millimeters
A	0.166 to 0.190	4.2 to 4.8
B	0.118 to 0.134	3.0 to 3.4
C	0.118 to 0.134	3.0 to 3.4
D	0.038 Min.	0.97 Min.
E	0.041 to 0.061	1.0 to 1.5
F	0.118 (Ref Only)	3.0 (Ref Only)
G	0.066 (Ref Only)	1.7 (Ref Only)

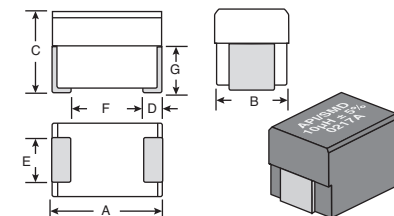
Dimensions "A" and "C" are over terminals.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	I dc. Max. (mA)	Price Each			
						1	10	100	500
Iron Core									
807-S1812R-101K	S1812R-101K	0.10	50	25	1490				
807-S1812R-181K	S1812R-181K	0.18	50	25	1290				
807-S1812R-331K	S1812R-331K	0.33	40	25	952				
807-S1812R-471K	S1812R-471K	0.47	40	25	802				
807-S1812R-821K	S1812R-821K	0.82	40	25	614				
Ferrite Core									
807-S1812R-102K	S1812R-102K	1.0	40	7.9	755				
807-S1812R-122K	S1812R-122K	1.2	40	7.9	725				
807-S1812R-152K	S1812R-152K	1.5	40	7.9	706				
807-S1812R-222K	S1812R-222K	2.2	40	7.9	658				
807-S1812R-332K	S1812R-332K	3.3	40	7.9	534				
807-S1812R-472K	S1812R-472K	4.7	40	7.9	471				
807-S1812R-562K	S1812R-562K	5.6	40	7.9	447				
807-S1812R-103K	S1812R-103K	10	50	2.5	333				
807-S1812R-333K	S1812R-333K	33	50	2.5	258				
807-S1812R-393K	S1812R-393K	39	50	2.5	250				
807-S1812R-473K	S1812R-473K	47	50	2.5	242				
807-S1812R-104K	S1812R-104K	100	40	0.79	169				
807-S1812R-274K	S1812R-274K	270	40	0.79	135				
807-S1812R-474K	S1812R-474K	470	40	0.79	91				
807-S1812R-105K	S1812R-105K	1000	40	0.79	60				

1812R SERIES

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise




Physical Parameters		
	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.67
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref Only)	1.78 (Ref Only)
G	0.054 (Ref Only)	1.37 (Ref Only)

Dimensions "A" and "C" are over terminals.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	I dc. Max. (mA)	Price Each			
						1	10	100	500
Iron Core: ±10% Tolerance									
807-1812R-151K	1812R-151K	0.15	30	25	818				
807-1812R-221K	1812R-221K	0.22	30	25	708				
807-1812R-471K	1812R-471K	0.47	30	25	501				
807-1812R-681K	1812R-681K	0.68	30	25	379				
807-1812R-821K	1812R-821K	0.82	30	25	354				
Ferrite Core: ±5% Tolerance									
807-1812R-102J	1812R-102J	1.0	50	7.9	634				
807-1812R-122J	1812R-122J	1.2	50	7.9	604				
807-1812R-152J	1812R-152J	1.5	50	7.9	578				
807-1812R-182J	1812R-182J	1.8	50	7.9	556				
807-1812R-222J	1812R-222J	2.2	50	7.9	535				
807-1812R-332J	1812R-332J	3.3	50	7.9	501				
807-1812R-392J	1812R-392J	3.9	50	7.9	472				
807-1812R-472J	1812R-472J	4.7							

API DELEVAN Shielded SMD Power Inductors **API Delevan**

 This product is RoHS compliant.

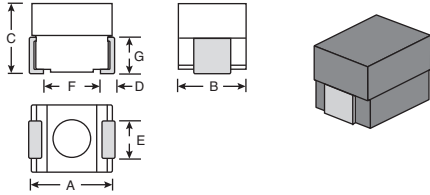
SP1008R SERIES

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating @ 90°C Ambient with 35°C Rise



For quantities greater than listed, call for quote.



Physical Parameters		
	Inches	Millimeters
A	0.095 to 0.115	2.41 to 2.92
B	0.085 to 0.105	2.16 to 2.66
C	0.0755 to 0.095	1.91 to 2.41
D	0.010 to 0.030	0.26 to 0.76
E	0.040 to 0.060	1.02 to 1.52
F	0.060 (Ref. only)	1.52 (Ref. only)
G	0.045 (Ref. only)	1.14 (Ref. only)

Dimensions "A" and "C" are over terminals.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	DCR Max. (Ω)	I _{dc} Max. (mA)	Price Each			
					1	10	100	500
807-SP1008R-331K	SP1008R-331K	0.33	0.108	1030				
807-SP1008R-561K	SP1008R-561K	0.56	0.147	878				
807-SP1008R-681K	SP1008R-681K	0.68	0.157	850				
807-SP1008R-821K	SP1008R-821K	0.82	0.167	824				
807-SP1008R-102K	SP1008R-102K	1.0	0.228	705				
807-SP1008R-122K	SP1008R-122K	1.2	0.252	671				
807-SP1008R-152K	SP1008R-152K	1.5	0.288	627				
807-SP1008R-182K	SP1008R-182K	1.8	0.392	538				
807-SP1008R-222K	SP1008R-222K	2.2	0.437	509				
807-SP1008R-272K	SP1008R-272K	2.7	0.482	485				
807-SP1008R-332K	SP1008R-332K	3.3	0.527	465				
807-SP1008R-392K	SP1008R-392K	3.9	0.739	392				
807-SP1008R-472K	SP1008R-472K	4.7	0.817	372				
807-SP1008R-562K	SP1008R-562K	5.6	0.895	356				
807-SP1008R-682K	SP1008R-682K	6.8	1.43	282				
807-SP1008R-822K	SP1008R-822K	8.2	1.54	271				
807-SP1008R-103K	SP1008R-103K	10	1.70	258				
807-SP1008R-123K	SP1008R-123K	12	1.87	246				
807-SP1008R-153K	SP1008R-153K	15	2.10	232				
807-SP1008R-223K	SP1008R-223K	22	4.02	168				
807-SP1008R-333K	SP1008R-333K	33	4.90	152				
807-SP1008R-473K	SP1008R-473K	47	5.90	139				
807-SP1008R-683K	SP1008R-683K	68	9.00	112				
807-SP1008R-823K	SP1008R-823K	82	9.90	107				
807-SP1008R-104K	SP1008R-104K	100	10.90	102				

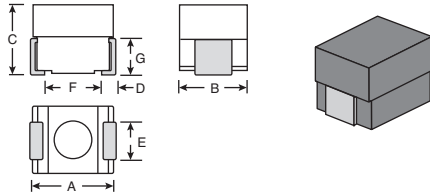
SP1210R SERIES

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating @ 90°C Ambient with 35°C Rise



For quantities greater than listed, call for quote.



Physical Parameters		
	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.66
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref. only)	1.78 (Ref. only)
G	0.054 (Ref. only)	1.37 (Ref. only)

Dimensions "A" and "C" are over terminals.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	DCR Max. (Ω)	I _{dc} Max. (mA)	Price Each			
					1	10	100	500
807-SP1210R-471K	SP1210R-471K	0.47	0.079	1440				
807-SP1210R-561K	SP1210R-561K	0.56	0.085	1380				
807-SP1210R-681K	SP1210R-681K	0.68	0.093	1320				
807-SP1210R-821K	SP1210R-821K	0.82	0.10	1250				
807-SP1210R-102K	SP1210R-102K	1	0.11	1190				
807-SP1210R-122K	SP1210R-122K	1.2	0.13	1140				
807-SP1210R-152K	SP1210R-152K	1.5	0.14	1080				
807-SP1210R-182K	SP1210R-182K	1.8	0.15	1030				
807-SP1210R-222K	SP1210R-222K	2.2	0.17	992				
807-SP1210R-272K	SP1210R-272K	2.7	0.24	826				
807-SP1210R-332K	SP1210R-332K	3.3	0.34	692				
807-SP1210R-472K	SP1210R-472K	4.7	0.40	633				
807-SP1210R-562K	SP1210R-562K	5.6	0.44	606				
807-SP1210R-682K	SP1210R-682K	6.8	0.49	576				
807-SP1210R-103K	SP1210R-103K	10	0.75	464				
807-SP1210R-153K	SP1210R-153K	15	1.40	338				
807-SP1210R-223K	SP1210R-223K	22	1.70	306				
807-SP1210R-273K	SP1210R-273K	27	1.90	291				
807-SP1210R-333K	SP1210R-333K	33	2.70	243				
807-SP1210R-393K	SP1210R-393K	39	3.60	212				
807-SP1210R-473K	SP1210R-473K	47	3.90	203				
807-SP1210R-104K	SP1210R-104K	100	6.80	154				
807-SP1210R-124K	SP1210R-124K	120	7.50	147				
807-SP1210R-154K	SP1210R-154K	150	10.50	124				
807-SP1210R-184K	SP1210R-184K	180	11.40	119				
807-SP1210R-224K	SP1210R-224K	220	12.70	113				
807-SP1210R-274K	SP1210R-274K	270	14.00	107				
807-SP1210R-334K	SP1210R-334K	330	17.00	98				
807-SP1210R-394K	SP1210R-394K	390	25.00	80				

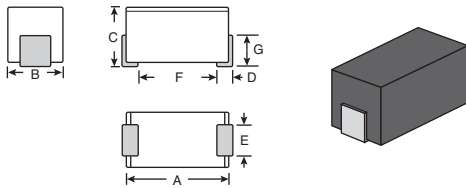
SP1812R SERIES

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating @ 90°C Ambient with 35°C Rise



For quantities greater than listed, call for quote.



Physical Parameters		
	Inches	Millimeters
A	0.166 to 0.190	4.22 to 4.83
B	0.118 to 0.134	3.00 to 3.40
C	0.118 to 0.134	3.00 to 3.40
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref. only)	3.00 (Ref. only)
G	0.066 (Ref. only)	1.68 (Ref. only)

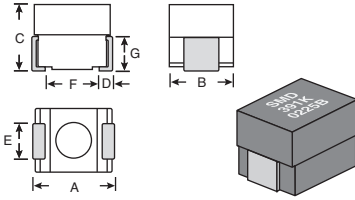
Dimensions "A" and "C" are over terminals.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	DCR Max. (Ω)	I _{dc} Max. (mA)	Price Each			
					1	10	100	500
807-SP1812R-102K	SP1812R-102K	1	0.081	1580				
807-SP1812R-152K	SP1812R-152K	1.5	0.098	1430				
807-SP1812R-182K	SP1812R-182K	1.8	0.11	1360				
807-SP1812R-222K	SP1812R-222K	2.2	0.15	1170				
807-SP1812R-272K	SP1812R-272K	2.7	0.16	1110				
807-SP1812R-332K	SP1812R-332K	3.3	0.18	1060				
807-SP1812R-392K	SP1812R-392K	3.9	0.20	1000				
807-SP1812R-472K	SP1812R-472K	4.7	0.21	969				
807-SP1812R-562K	SP1812R-562K	5.6	0.24	920				
807-SP1812R-822K	SP1812R-822K	8.2	0.28	842				
807-SP1812R-103K	SP1812R-103K	10	0.31	802				
807-SP1812R-123K	SP1812R-123K	12	0.34	767				
807-SP1812R-153K	SP1812R-153K	15	0.49	640				
807-SP1812R-223K	SP1812R-223K	22	0.75	509				
807-SP1812R-273K	SP1812R-273K	27	1.0	430				
807-SP1812R-333K	SP1812R-333K	33	1.2	408				
807-SP1812R-393K	SP1812R-393K	39	1.6	354				
807-SP1812R-473K	SP1812R-473K	47	1.8	335				
807-SP1812R-563K	SP1812R-563K	56	1.9	323				
807-SP1812R-683K	SP1812R-683K	68	2.7	275				
807-SP1812R-104K	SP1812R-104K	100	3.2	250				
807-SP1812R-124K	SP1812R-124K	120	4.6	210				
807-SP1812R-154K	SP1812R-154K	150	5.1	198				
807-SP1812R-184K	SP1812R-184K	180	6.7	172				
807-SP1812R-224K	SP1812R-224K	220	7.5	164				
807-SP1812R-274K	SP1812R-274K	270	9.8	143				
807-SP1812R-334K	SP1812R-334K	330	10.9	136				

S1210 SERIES SHIELDED SMD INDUCTORS

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Max Power Dissipation at 90°C: 0.287W

Physical Parameters		
	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.67
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref Only)	1.78 (Ref Only)
G	0.054 (Ref Only)	1.37 (Ref Only)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Inductance (μH)	Q Min.	Test Freq. (MHz)	Idc Max (mA)	Price Each		
						1	100	Reel 500
Iron Core ±10%								
807-S1210-101K	S1210-101K	.10	40	25	1175			
807-S1210-121K	S1210-121K	.12	40	25	1104			
807-S1210-151K	S1210-151K	.15	40	25	1017			
807-S1210-181K	S1210-181K	.18	40	25	971			
807-S1210-221K	S1210-221K	.22	40	25	910			
807-S1210-271K	S1210-271K	.27	40	25	860			
807-S1210-331K	S1210-331K	.33	40	25	831			
807-S1210-391K	S1210-391K	.39	40	25	720			
807-S1210-471K	S1210-471K	.47	40	25	679			
807-S1210-561K	S1210-561K	.56	40	25	644			
807-S1210-681K	S1210-681K	.68	40	25	614			
807-S1210-821K	S1210-821K	.82	40	25	588			

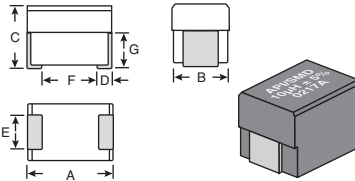
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Inductance (μH)	Q Min.	Test Freq. (MHz)	Idc Max (mA)	Price Each		
						1	100	Reel 500
Ferrite Core ±10%								
807-S1210-102K	S1210-102K	1.0	40	7.9	720			
807-S1210-152K	S1210-152K	1.5	40	7.9	603			
807-S1210-222K	S1210-222K	2.2	40	7.9	533			
807-S1210-272K	S1210-272K	2.7	40	7.9	526			
807-S1210-332K	S1210-332K	3.3	40	7.9	509			
807-S1210-392K	S1210-392K	3.9	40	7.9	500			
807-S1210-472K	S1210-472K	4.7	40	7.9	455			
807-S1210-562K	S1210-562K	5.6	40	7.9	399			
807-S1210-682K	S1210-682K	6.8	40	7.9	372			
807-S1210-822K	S1210-822K	8.2	40	7.9	349			
807-S1210-103K	S1210-103K	10	40	2.5	330			
807-S1210-123K	S1210-123K	12	40	2.5	314			
807-S1210-153K	S1210-153K	15	40	2.5	288			
807-S1210-223K	S1210-223K	22	40	2.5	262			
807-S1210-273K	S1210-273K	27	40	2.5	228			
807-S1210-333K	S1210-333K	33	40	2.5	215			
807-S1210-393K	S1210-393K	39	40	2.5	204			
807-S1210-473K	S1210-473K	47	40	2.5	194			
807-S1210-563K	S1210-563K	56	40	2.5	181			
807-S1210-683K	S1210-683K	68	40	2.5	172			
807-S1210-823K	S1210-823K	82	40	2.5	156			
807-S1210-104K	S1210-104K	100	40	2.5	144			

1812 SERIES SURFACE MOUNT INDUCTORS

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Max Power Dissipation at 90°C: Iron & Ferrite = 0.278W, Phenolic = 0.210W

Physical Parameters		
	Inches	Millimeters
A	0.166 to 0.190	4.22 to 4.83
B	0.118 to 0.134	3.00 to 3.40
C	0.118 to 0.134	3.00 to 3.40
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref Only)	3.00 (Ref Only)
G	0.066 (Ref Only)	1.68 (Ref Only)



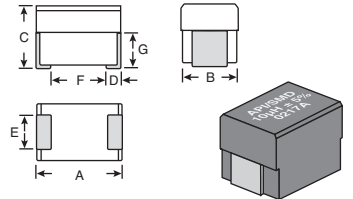
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Inductance (μH)	Q Min.	Test Freq. (MHz)	Idc Max (mA)	Price Each		
						1	100	Reel 500
Iron Core ±10%								
807-1812-101K	1812-101K	.10	30	25	818			
807-1812-151K	1812-151K	.15	30	25	818			
807-1812-181K	1812-181K	.18	30	25	757			
807-1812-221K	1812-221K	.22	30	25	708			
807-1812-271K	1812-271K	.27	30	25	668			
807-1812-331K	1812-331K	.33	30	25	604			
807-1812-391K	1812-391K	.39	30	25	535			
807-1812-471K	1812-471K	.47	30	25	501			
807-1812-561K	1812-561K	.56	30	25	409			
807-1812-681K	1812-681K	.68	30	25	379			
807-1812-821K	1812-821K	.82	30	25	354			
Ferrite Core ±5%								
807-1812-102J	1812-102J	1.0	50	7.9	634			
807-1812-122J	1812-122J	1.2	50	7.9	604			
807-1812-152J	1812-152J	1.5	50	7.9	578			
807-1812-182J	1812-182J	1.8	50	7.9	556			
807-1812-222J	1812-222J	2.2	50	7.9	535			
807-1812-332J	1812-332J	3.3	50	7.9	501			
807-1812-392J	1812-392J	3.9	50	7.9	472			
807-1812-472J	1812-472J	4.7	50	7.9	448			
807-1812-562J	1812-562J	5.6	50	7.9	427			
807-1812-682J	1812-682J	6.8	50	7.9	409			
807-1812-822J	1812-822J	8.2	50	7.9	375			
807-1812-103J	1812-103J	10	50	7.9	354			
807-1812-183J	1812-183J	18	50	2.5	268			
807-1812-223J	1812-223J	22	50	2.5	250			
807-1812-333J	1812-333J	33	50	2.5	224			
807-1812-393J	1812-393J	39	50	2.5	211			
807-1812-473J	1812-473J	47	50	2.5	200			
807-1812-563J	1812-563J	56	50	2.5	191			
807-1812-683J	1812-683J	68	50	2.5	183			
807-1812-823J	1812-823J	82	50	2.5	169			
807-1812-104J	1812-104J	100	50	2.5	158			
807-1812-124J	1812-124J	120	40	0.79	158			
807-1812-154J	1812-154J	150	40	0.79	149			
807-1812-224J	1812-224J	220	40	0.79	142			
807-1812-274J	1812-274J	270	40	0.79	129			
807-1812-334J	1812-334J	330	40	0.79	120			
807-1812-394J	1812-394J	390	40	0.79	100			
807-1812-474J	1812-474J	470	40	0.79	88			
807-1812-564J	1812-564J	560	30	0.79	82			
807-1812-824J	1812-824J	820	30	0.79	67			
807-1812-105J	1812-105J	1000	30	0.79	55			

S1812 SERIES SHIELDED SURFACE MOUNT INDUCTORS

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Max Power Dissipation at 90°C: 0.278W

Physical Parameters		
	Inches	Millimeters
A	0.166 to 0.190	4.2 to 4.8
B	0.118 to 0.134	3.0 to 3.4
C	0.118 to 0.134	3.0 to 3.4
D	0.038 Min.	0.97 Min.
E	0.041 to 0.061	1.0 to 1.5
F	0.118 (Ref Only)	3.0 (Ref Only)
G	0.066 (Ref Only)	1.7 (Ref Only)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Inductance (μH)	Q Min.	Test Freq. (MHz)	Idc Max (mA)	Price Each		
						1	100	Reel 500
Iron Core ±10%								
807-S1812-101K	S1812-101K	.10	50	25	1490			
807-S1812-151K	S1812-151K	.15	50	25	1347			
807-S1812-181K	S1812-181K	.18	50	25	1290			
807-S1812-271K	S1812-271K	.27	50	25	1053			
807-S1812-331K	S1812-331K	.33	40	25	952			
807-S1812-471K	S1812-471K	.47	40	25	802			
807-S1812-561K	S1812-561K	.56	40	25	735			
807-S1812-821K	S1812-821K	.82	40	25	614			
Ferrite Core ±10%								
807-S1812-102K	S1812-102K	1.0	40	7.9	755			
807-S1812-122K	S1812-122K	1.2	40	7.9	725			
807-S1812-152K	S1812-152K	1.5	40	7.9	706			
807-S1812-182K	S1812-182K	1.8	40	7.9	681			
807-S1812-222K	S1812-222K	2.2	40	7.9	658			
807-S1812-332K	S1812-332K	3.3	40	7.9	534			
807-S1812-392K	S1812-392K	3.9	40	7.9	487			
807-S1812-472K	S1812-472K	4.7	40	7.9	471			
807-S1812-562K	S1812-562K	5.6	40	7.9	447			
807-S1812-682K	S1812-682K	6.8	40	7.9	408			
807-S1812-822K	S1812-822K	8.2	40	7.9	372			
807-S1812-103K	S1812-103K	10	50	2.5	333			
807-S1812-183K	S1812-183K	18	50	2.5	288			
807-S1812-223K	S1812-223K	22	50	2.5	277			
807-S1812-333K	S1812-333K	33	50	2.5	258			
807-S1812-393K	S1812-393K	39	50	2.5	250			
807-S1812-473K	S1812-473K	47	50	2.5	242			
807-S1812-563K	S1812-563K	56	50	2.5	235			
807-S1812-683K	S1812-683K	68	50	2.5	215			
807-S1812-823K	S1812-8							

P1812 SERIES SMD POWER INDUCTORS

Specifications:

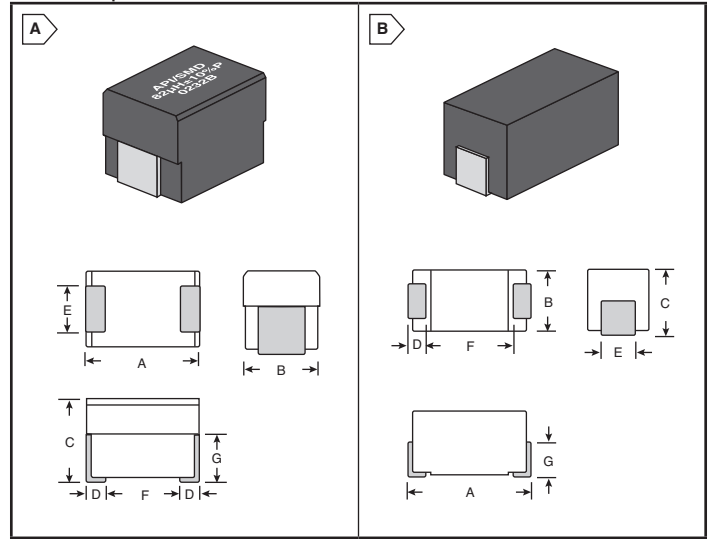
- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Max Power Dissipation at 90°C: 0.287W
- Tolerance: ±10%

Physical Parameters		
	Inches	Millimeters
A	0.166 to 0.190	4.22 to 4.83
B	0.118 to 0.134	3.00 to 3.40
C	0.118 to 0.134	3.00 to 3.40
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref Only)	3.00 (Ref Only)
G	0.066 (Ref Only)	1.68 (Ref Only)

Dimensions "A" and "C" are over terminals.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Fig.	Inductance (μH)	Rdc. Max. (Ω)	Idc. Max. (mA)	Price Each		
						1	100	Reel 500
807-P1812-102K	P1812-102K	A	1.0	0.113	1050			
807-P1812-122K	P1812-122K	A	1.2	0.199	1000			
807-P1812-152K	P1812-152K	A	1.5	0.222	950			
807-P1812-222K	P1812-222K	A	2.2	0.268	850			
807-P1812-272K	P1812-272K	A	2.7	0.288	800			
807-P1812-332K	P1812-332K	A	3.3	0.323	750			
807-P1812-392K	P1812-392K	A	3.9	0.347	700			
807-P1812-472K	P1812-472K	A	4.7	0.401	650			
807-P1812-562K	P1812-562K	A	5.6	0.437	650			
807-P1812-682K	P1812-682K	A	6.8	0.472	600			
807-P1812-822K	P1812-822K	A	8.2	0.548	600			
807-P1812-103K	P1812-103K	A	10	0.608	550			
807-P1812-123K	P1812-123K	A	12	0.670	550			
807-P1812-153K	P1812-153K	A	15	0.780	450			
807-P1812-183K	P1812-183K	A	18	0.875	400			
807-P1812-223K	P1812-223K	A	22	1.200	370			
807-P1812-273K	P1812-273K	A	27	1.404	330			
807-P1812-333K	P1812-333K	A	33	1.578	300			
807-P1812-393K	P1812-393K	A	39	1.848	280			
807-P1812-473K	P1812-473K	A	47	2.064	260			
807-P1812-563K	P1812-563K	A	56	2.268	240			
807-P1812-823K	P1812-823K	A	82	3.648	200			
807-P1812-104K	P1812-104K	A	100	4.320	180			
807-P1812-124K	P1812-124K	A	120	6.000	160			
807-P1812-184K	P1812-184K	A	180	8.400	120			
807-P1812-224K	P1812-224K	A	220	9.680	120			
807-P1812-334K	P1812-334K	A	330	15.240	90			



4922 SERIES/HIGH CURRENT INDUCTORS SMD

Mechanical Configuration: Units are encapsulated in a Surface Mount package, using an epoxy molded case. Leads are pre-tinned. A high resistivity ferrite core allows for high inductance with low DC resistance.

Physical Parameters		
	Inches	Millimeters
A	0.490 to 0.520	12.44 to 13.21
B	0.230 to 0.250	5.84 to 6.35
C	0.210 to 0.230	5.33 to 5.84
D	0.050 Min.	1.27 Min.
E	0.055 to 0.075	1.40 to 1.91
F	0.330 (Ref Only)	8.38 (Ref Only)
G	0.120 (Ref Only)	3.04 (Ref Only)

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating at 85°C Ambient: 40°C Rise
- Max Power Dissipation at 85°C: 0.55 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Fig.	Inductance (μH)	Rdc. Max. (Ω)	Idc. Max. (mA)	Price Each		
						1	100	Reel 500
807-4922-221L	4922-221L	B	0.22	0.008	7			
807-4922-271L	4922-271L	B	0.27	0.0085	6.75			
807-4922-391L	4922-391L	B	0.39	0.0095	6.25			
807-4922-561L	4922-561L	B	0.56	0.0105	5.8			
807-4922-681L	4922-681L	B	0.68	0.011	5.7			
807-4922-01L	4922-01L	B	1.00	0.013	5.5			
807-4922-02L	4922-02L	B	1.20	0.018	4.69			
807-4922-03L	4922-03L	B	1.50	0.02	4.45			
807-4922-04L	4922-04L	B	1.80	0.021	4.34			
807-4922-05L	4922-05L	B	2.20	0.029	3.7			
807-4922-07L	4922-07L	B	3.30	0.038	3.23			
807-4922-08L	4922-08L	B	3.90	0.042	3.07			
807-4922-09L	4922-09L	B	4.70	0.047	2.9			
807-4922-10L	4922-10L	B	5.60	0.051	2.79			
807-4922-13L	4922-13L	B	10.00	0.071	2.36			
807-4922-14L	4922-14L	B	12.00	0.079	2.24			
807-4922-15L	4922-15L	B	15.00	0.089	2.11			
807-4922-16L	4922-16L	B	18.00	0.119	1.82			
807-4922-17L	4922-17L	B	22.00	0.152	1.61			
807-4922-18L	4922-18L	B	27.00	0.179	1.48			
807-4922-19L	4922-19L	B	33.00	0.222	1.33			
807-4922-21L	4922-21L	B	47.00	0.362	1.04			
807-4922-22L	4922-22L	B	56.00	0.397	1			
807-4922-23L	4922-23L	B	68.00	0.418	0.97			
807-4922-25L	4922-25L	B	100.00	0.672	0.76			
807-4922-27L	4922-27L	B	150.00	0.998	0.63			
807-4922-29L	4922-29L	B	220.00	1.58	0.5			
807-4922-30L	4922-30L	B	270.00	1.77	0.47			
807-4922-31L	4922-31L	B	330.00	2.51	0.39			
807-4922-35L	4922-35L	B	680.00	4.31	0.3			
807-4922-36L	4922-36L	B	820.00	6.04	0.26			
807-4922-37L	4922-37L	B	1000.00	6.9	0.24			
807-4922-38L	4922-38L	B	1200.00	10	0.2			
807-4922-39L	4922-39L	B	1500.00	12.5	0.178			
807-4922-40L	4922-40L	B	1800.00	16	0.157			
807-4922-41L	4922-41L	B	2200.00	20	0.141			
807-4922-42L	4922-42L	B	2700.00	23	0.131			
807-4922-43L	4922-43L	B	3300.00	25	0.126			
807-4922-45L	4922-45L	B	4700.00	37	0.103			
807-4922-48L	4922-48L	B	8200.00	66	0.077			
807-4922-50L	4922-50L	B	12K	93	0.065			
807-4922-53L	4922-53L	B	22K	160	0.05			

P1330 SERIES SMD POWER INDUCTORS

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Max Power Dissipation at 90°C: 0.210W
- Tolerance: ±10%

Physical Parameters		
	Inches	Millimeters
A	0.300 to 0.325	7.62 to 8.26
B	0.105 to 0.125	2.67 to 3.18
C	0.125 to 0.145	3.18 to 3.68
D	0.020 Min.	0.508 Min.
E	0.040 to 0.060	1.02 to 1.52
F	0.190 (Ref Only)	4.83 (Ref Only)
G	0.070 (Ref Only)	1.78 (Ref Only)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Fig.	Inductance (μH)	Rdc. Max. (Ω)	Idc. Max. (mA)	Price Each		
						1	100	Reel 500
807-P1330-102K	P1330-102K	B	1.0	0.035	2780			
807-P1330-152K	P1330-152K	B	1.5	0.043	2030			
807-P1330-182K	P1330-182K	B	1.8	0.048	1950			
807-P1330-222K	P1330-222K	B	2.2	0.075	1690			
807-P1330-272K	P1330-272K	B	2.7	0.080	1550			
807-P1330-332K	P1330-332K	B	3.3	0.108	1460			
807-P1330-392K	P1330-392K	B	3.9	0.118	1390			
807-P1330-472K	P1330-472K	B	4.7	0.125	1330			
807-P1330-562K	P1330-562K	B	5.6	0.145	1110			
807-P1330-682K	P1330-682K	B	6.8	0.165	1080			
807-P1330-822K	P1330-822K	B	8.2	0.180	1020			
807-P1330-103K	P1330-103K	B	10	0.216	946			
807-P1330-153K	P1330-153K	B	15	0.288	858			
807-P1330-183K	P1330-183K	B	18	0.328	817			
807-P1330-223K	P1330-223K	B	22	0.384	694			
807-P1330-333K	P1330-333K	B	33	0.538	568			
807-P1330-393K	P1330-393K	B	39	0.600	488			
807-P1330-473K	P1330-473K	B	47	0.792	467			
807-P1330-563K	P1330-563K	B	56	0.900	442			
807-P1330-683K	P1330-683K	B	68	1.020	384			
807-P1330-823K	P1330-823K	B	82	1.380	362			
807-P1330-104K	P1330-104K	B	100	1.680	347			
807-P1330-124K	P1330-124K	B	120	1.800	327			
807-P1330-154K	P1330-154K	B	150	2.040	272			
807-P1330-184K	P1330-184K	B	180	2.400	261			
807-P1330-224K	P1330-224K	B	220	2.648	223			
807-P1330-334K	P1330-334K	B	330	4.800	179			
807-P1330-474K	P1330-474K	B	470	6.000	161			
807-P1330-105K	P1330-105K	B	1000	11.160	105			

Products may be RoHS compliant. Check mouser.com for RoHS status.

1025 SERIES/MOLDED UNSHIELDED RF COILS, LEADED

Physical Parameters		
	Inches	Millimeters
Length	0.250 ± 0.010	6.35 ± 0.25
Diameter	0.095 ± 0.010	2.41 ± 0.25
Lead Size: AWG #24 TCW	0.020 ± 0.0015	0.508 ± 0.038
Lead Length	1.5 ± 0.12	38.1 ± 3.05

Phenolic Core (LT4K)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	I dc. Max. (mA)	Price Each			
						1	10	100	500
807-1025-94K	1025-94K	0.1	40	25	1380				
807-1025-96K	1025-96K	0.12	40	25	1300				
807-1025-08K	1025-08K	0.33	30	25	830				
807-1025-10K	1025-10K	0.39	30	25	710				
807-1025-12K	1025-12K	0.47	30	25	660				
807-1025-14K	1025-14K	0.56	30	25	550				
807-1025-16K	1025-16K	0.68	28	25	500				
807-1025-18K	1025-18K	0.82	28	25	420				
807-1025-20K	1025-20K	1	25	25	390				

1641 SERIES/MOLDED SHIELDED RF COILS THROUGH HOLE

Physical Parameters		
	Inches	Millimeters
Length	0.410 ± 0.020	10.41 ± 0.51
Diameter	0.162 ± 0.010	4.11 ± 0.25
Lead Size: AWG #24 TCW	0.025 ± 0.002	0.635 ± 0.05
Lead Length	1.44 ± 0.12	36.58 ± 3.05

Phenolic Core/Iron Sleeve (LT10K)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	I dc. Max. (mA)	Price Each			
						1	10	100	500
807-1641-121K	1641-121K	0.12	51	25	1570				
807-1641-151K	1641-151K	0.15	51	25	1500				
807-1641-181K	1641-181K	0.18	50	25	1330				
807-1641-221K	1641-221K	0.22	49	25	1120				
807-1641-271K	1641-271K	0.27	47	25	870				
807-1641-331K	1641-331K	0.33	46	25	800				
807-1641-391K	1641-391K	0.39	44	25	680				
807-1641-471K	1641-471K	0.47	44	25	580				
807-1641-561K	1641-561K	0.56	43	25	505				
807-1641-681K	1641-681K	0.68	42	25	430				
807-1641-821K	1641-821K	0.82	40	25	375				

Iron Core (LT10K)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	I dc. Max. (mA)	Price Each			
						1	10	100	500
807-1025-22K	1025-22K	1.2	25	7.9	620				
807-1025-24K	1025-24K	1.5	28	7.9	560				
807-1025-26K	1025-26K	1.8	30	7.9	480				
807-1025-28K	1025-28K	2.2	30	7.9	415				
807-1025-30K	1025-30K	2.7	37	7.9	355				
807-1025-32K	1025-32K	3.3	45	7.9	285				
807-1025-34K	1025-34K	3.9	45	7.9	263				
807-1025-36K	1025-36K	4.7	45	7.9	239				
807-1025-38K	1025-38K	5.6	50	7.9	195				
807-1025-40K	1025-40K	6.8	50	7.9	185				
807-1025-42K	1025-42K	8.2	55	7.9	160				
807-1025-44K	1025-44K	10	55	7.9	144				
807-1025-46K	1025-46K	12	45	2.5	160				
807-1025-48K	1025-48K	15	45	2.5	157				
807-1025-50K	1025-50K	18	50	2.5	149				
807-1025-52K	1025-52K	22	50	2.5	144				
807-1025-54K	1025-54K	27	50	2.5	140				

Ferrite Core (LT10K)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	I dc. Max. (mA)	Price Each			
						1	10	100	500
807-1025-56K	1025-56K	33	45	2.5	130				
807-1025-58K	1025-58K	39	45	2.5	125				
807-1025-60K	1025-60K	47	45	2.5	110				
807-1025-62K	1025-62K	56	45	2.5	100				
807-1025-64K	1025-64K	68	50	2.5	92				
807-1025-66K	1025-66K	82	50	2.5	88				
807-1025-68K	1025-68K	100	50	2.5	84				
807-1025-70K	1025-70K	120	30	0.79	66				
807-1025-72K	1025-72K	150	30	0.79	61				
807-1025-74K	1025-74K	180	30	0.79	57				
807-1025-76K	1025-76K	220	30	0.79	52				
807-1025-80K	1025-80K	330	30	0.79	45				
807-1025-82K	1025-82K	390	30	0.79	40				
807-1025-84K	1025-84K	470	30	0.79	36				
807-1025-88K	1025-88K	680	30	0.79	30				
807-1025-90K	1025-90K	820	30	0.79	29				
807-1025-92K	1025-92K	1000	30	0.79	28				

Iron Core and Sleeve (LT10K)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	I dc. Max. (mA)	Price Each			
						1	10	100	500
807-1641-102K	1641-102K	1	44	25	1090				
807-1641-122K	1641-122K	1.2	44	7.9	900				
807-1641-152K	1641-152K	1.5	44	7.9	835				
807-1641-182K	1641-182K	1.8	44	7.9	775				
807-1641-222K	1641-222K	2.2	44	7.9	665				
807-1641-272K	1641-272K	2.7	44	7.9	545				
807-1641-332K	1641-332K	3.3	44	7.9	490				
807-1641-392K	1641-392K	3.9	44	7.9	455				
807-1641-472K	1641-472K	4.7	44	7.9	390				
807-1641-562K	1641-562K	5.6	44	7.9	340				
807-1641-822K	1641-822K	8.2	50	7.9	250				
807-1641-103K	1641-103K	10	50	7.9	228				

Ferrite Core and Sleeve (LT10K)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	I dc. Max. (mA)	Price Each			
						1	10	100	500
807-1641-153K	1641-153K	15	45	2.5	325				
807-1641-183K	1641-183K	18	45	2.5	305				
807-1641-223K	1641-223K	22	45	2.5	295				
807-1641-273K	1641-273K	27	45	2.5	265				
807-1641-333K	1641-333K	33	45	2.5	248				
807-1641-393K	1641-393K	39	50	2.5	209				
807-1641-473K	1641-473K	47	50	2.5	200				
807-1641-563K	1641-563K	56	50	2.5	194				
807-1641-823K	1641-823K	82	50	2.5	186				
807-1641-104K	1641-104K	100	50	2.5	164				
807-1641-124K	1641-124K	120	55	0.79	153				
807-1641-154K	1641-154K	150	55	0.79	143				
807-1641-184K	1641-184K	180	55	0.79	138				
807-1641-224K	1641-224K	220	55	0.79	130				
807-1641-274K	1641-274K	270	55	0.79	120				
807-1641-334K	1641-334K	330	55	0.79	115				
807-1641-394K	1641-394K	390	60	0.79	107				
807-1641-474K	1641-474K	470	60	0.79	94				
807-1641-564K	1641-564K	560	60	0.79	90				
807-1641-684K	1641-684K	680	60	0.79	84				
807-1641-105K	1641-105K	1000	60	0.79	70				

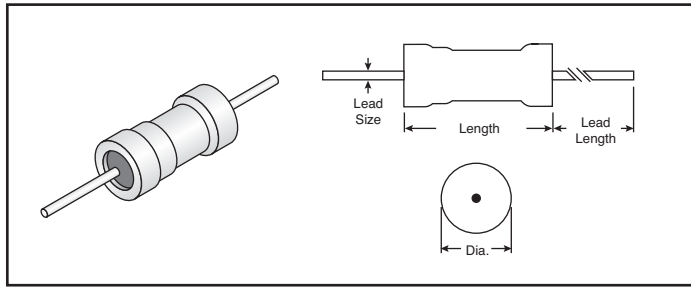
API DELEVAN Power Inductors

API Delevan

Products may be RoHS compliant. Check mouser.com for RoHS status.

4590 SERIES/HIGH CURRENT FILTER INDUCTORS LEADED

Mechanical Configuration: Ferrite Bobbin protected with a flame retardant polyolefin sleeve.



Specifications:

- Operating Temperature: -55°C to +125°C, -55°C to +85°C @ full rated current
- Current Rating: 40°C Rise over 85°C Ambient
- Max Power Dissipation at 85°C: 0.70 Watts

Physical Parameters		
	Inches	Millimeters
Length	0.900 Max.	22.86 Max.
Diameter	0.455 Max.	11.55 Max.
Lead Size: AWG #20 TCW	0.032 ± 0.002	0.813 ± 0.05
Lead Length	1.10 Min.	27.94 Min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Nominal Inductance ±10% (μH)	Max. DC Resistance (Ω)	Max. Current Rating (Amps)	Price Each			
					1	10	100	500
807-4590-392K	4590-392K	3.9	0.007	9.75				
807-4590-472K	4590-472K	4.7	0.008	9.11				
807-4590-562K	4590-562K	5.6	0.011	7.77				
807-4590-682K	4590-682K	6.8	0.011	7.6				
807-4590-822K	4590-822K	8.2	0.013	7.15				
807-4590-103K	4590-103K	10	0.016	6.44				
807-4590-123K	4590-123K	12	0.018	6.07				
807-4590-153K	4590-153K	15	0.02	5.76				
807-4590-183K	4590-183K	18	0.02	5.49				
807-4590-223K	4590-223K	22	0.024	5.26				
807-4590-273K	4590-273K	27	0.025	5.15				
807-4590-333K	4590-333K	33	0.028	4.87				
807-4590-393K	4590-393K	39	0.028	4.87				
807-4590-473K	4590-473K	47	0.034	4.45				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Nominal Inductance ±10% (μH)	Rdc. Max. (Ω)	Idc. Max. (A)	Price Each			
					1	10	100	500
807-4590-563K	4590-563K	56	0.043	3.93				
807-4590-683K	4590-683K	68	0.059	3.35				
807-4590-823K	4590-823K	82	0.066	3.17				
807-4590-104K	4590-104K	100	0.084	2.81				
807-4590-124K	4590-124K	120	0.113	2.43				
807-4590-154K	4590-154K	150	0.129	2.27				
807-4590-184K	4590-184K	180	0.15	2.1				
807-4590-224K	4590-224K	220	0.162	2.02				
807-4590-274K	4590-274K	270	0.226	1.71				
807-4590-334K	4590-334K	330	0.257	1.61				
807-4590-394K	4590-394K	390	0.288	1.52				
807-4590-474K	4590-474K	470	0.393	1.3				
807-4590-564K	4590-564K	560	0.504	1.15				
807-4590-684K	4590-684K	680	0.57	1.08				
807-4590-824K	4590-824K	820	0.643	1.01				
807-4590-105K	4590-105K	1000	0.844	0.89				
807-4590-125K	4590-125K	1200	0.977	0.82				
807-4590-155K	4590-155K	1500	1.18	0.75				
807-4590-185K	4590-185K	1800	1.5	0.66				
807-4590-225K	4590-225K	2200	1.76	0.61				
807-4590-275K	4590-275K	2700	2.13	0.56				
807-4590-335K	4590-335K	3300	2.53	0.51				
807-4590-475K	4590-475K	4700	3.79	0.41				
807-4590-565K	4590-565K	5600	4.24	0.39				
807-4590-685K	4590-685K	6800	5.75	0.34				
807-4590-825K	4590-825K	8200	6.44	0.32				
807-4590-106K	4590-106K	10000	7.3	0.3				
807-4590-126K	4590-126K	12000	9.34	0.26				
807-4590-156K	4590-156K	15000	10.7	0.25				
807-4590-186K	4590-186K	18000	14.8	0.21				
807-4590-226K	4590-226K	22000	18	0.19				
807-4590-276K	4590-276K	27000	22.7	0.17				
807-4590-396K	4590-396K	39000	29.7	0.15				
807-4590-476K	4590-476K	47000	33.7	0.14				
807-4590-566K	4590-566K	56000	38	0.13				
807-4590-686K	4590-686K	68000	52.8	0.11				
807-4590-826K	4590-826K	82000	67.3	0.1				
807-4590-107K	4590-107K	100000	76	0.09				

Inductors

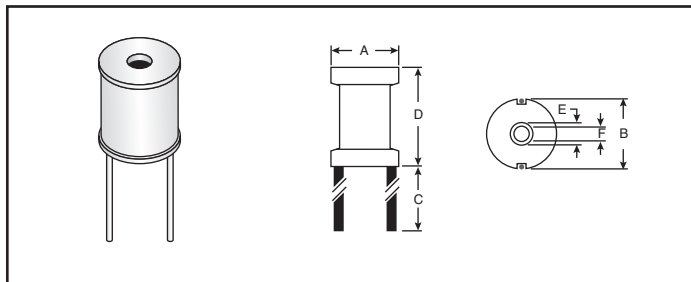
API Delevan

DC780 SERIES/HIGH CURRENT POWER LINE CHOKES, LEADED

Mechanical Configuration: Ferrite Bobbin protected with a flame retardant polyolefin sleeve; center hole allows for mechanical mounting; insulated bobbins.

Specifications:

- Operating Temperature: -55°C to +125°C
- Current Rating: 40°C Rise over 85°C Ambient
- Max Power Dissipation at 85°C: 0.50 Watts



Physical Parameters		
	Inches	Millimeters
A	0.775 to 0.025	19.6 ± 0.6
B	See Part Number for Dia.	
C	0.750 Min.	6.76 to 7.26
D	0.815 ± 0.015	1.27 Min.
E	0.195 Max. (Ref Only)	1.78 to 2.79
F	Clearance Hole for 4/40 Screw	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Nominal Induct. (μH)	Rdc. Max. (Ω)	Idc. Max. (A)	Dia. Dim. B (In.)	Price Each			
						1	10	100	500
807-DC780-102L	DC780-102L	1	0.003	11.4	0.620				
807-DC780-152L	DC780-152L	1.5	0.003	11.4	0.620				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Nominal Induct. (μH)	Rdc. Max. (Ω)	Idc. Max. (A)	Dia. Dim. B (In.)	Price Each			
						1	10	100	500
807-DC780-332L	DC780-332L	3.3	0.005	11.4	0.620				
807-DC780-472L	DC780-472L	4.7	0.005	11.4	0.620				
807-DC780-562L	DC780-562L	5.6	0.006	11.4	0.620				
807-DC780-682L	DC780-682L	6.8	0.007	11.4	0.620				
807-DC780-822L	DC780-822L	8.2	0.007	11.4	0.620				
807-DC780-103K	DC780-103K	10	0.009	11.4	0.620				
807-DC780-153K	DC780-153K	15	0.013	9	0.625				
807-DC780-223K	DC780-223K	22	0.019	7.2	0.630				
807-DC780-273K	DC780-273K	27	0.026	5.5	0.546				
807-DC780-333K	DC780-333K	33	0.029	5.5	0.546				
807-DC780-473K	DC780-473K	47	0.035	5.5	0.625				
807-DC780-563K	DC780-563K	56	0.039	5.5	0.625				
807-DC780-823K	DC780-823K	82	0.06	4.8	0.656				
807-DC780-104K	DC780-104K	100	0.08	4	0.593				
807-DC780-124K	DC780-124K	120	0.09	4	0.593				
807-DC780-154K	DC780-154K	150	0.098	4	0.593				
807-DC780-184K	DC780-184K	180	0.11	4	0.593				
807-DC780-224K	DC780-224K	220	0.15	2.8	0.593				
807-DC780-274K	DC780-274K	270	0.213	2	0.562				
807-DC780-334K	DC780-334K	330	0.305	1.6	0.590				
807-DC780-474K	DC780-474K	470	0.355	1.6	0.590				
807-DC780-684K	DC780-684K	680	0.43	1.6	0.590				
807-DC780-105K	DC780-105K	1000	0.818	1	0.590				
807-DC780-125K	DC780-125K	1200	1.14	0.8	0.590				
807-DC780-225K	DC780-225K	2200	1.54	0.8	0.590				

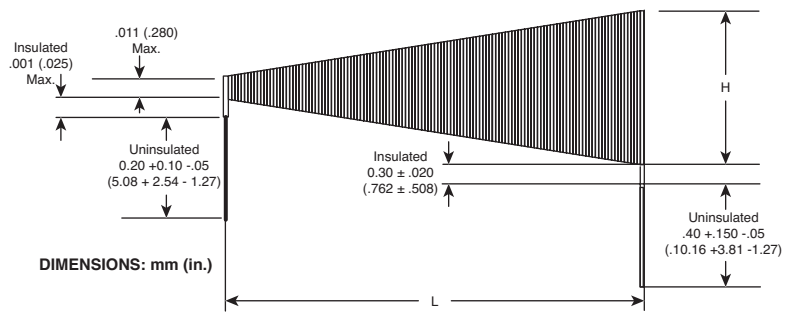
AVX Inductors

RoHS Compliant This product is RoHS compliant.



GL SERIES ULTRA BROAD BAND INDUCTORS

- Features:**
- Ultra Broad Band Performance
 - Ultra-Low Insertion Loss
 - Excellent Return Loss Through 40GHz
 - Flat Frequency Response
 - Part to Part Performance Repeatability
 - Rugged Powdered Iron Core
 - Operating temperature: -400°C to +85°C



Inductance (μh)	L	H	# of Turns
2	0.102±0.002 (2.59 ± 0.051)	0.065±0.002 (1.65 ± 0.051)	46 Turns #44 AWG Cu
6	0.182±0.003 (4.62 ± 0.076)	0.073±0.002 (1.85 ± 0.051)	80 Turns #44 AWG Cu
11	0.182±0.003 (4.62 ± 0.076)	0.072±0.002 (1.83 ± 0.051)	110 Turns #47 AWG Cu

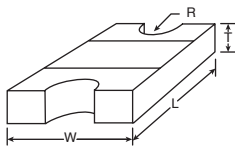
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Inductance (μh)	Operating Freq. Range	Tolerance	RDC (Ω)	IDC (mA)	Price Each		
							1	50	100
581-GL2R0KA7B250	GL2R0KA7B250	2	2.3-40GHz	±10%	1.45	250			
581-GL6R0KA7B200	GL6R0KA7B200	6	850-40GHz	±10%	2.9	200			
581-GL110KA7B115	GL110KA7B115	11	500-40GHz	±10%	7	115			

MULTILAYER ORGANIC INDUCTORS

- Features:**
- High Q
 - High SRF
 - High Frequency
 - Low DC Resistance
 - Expansion Matched to PCB

- Applications:**
- Mobile communications
 - Satellite Applications
 - GPS
 - Collision Avoidance
 - Wireless LAN's



Series	DIMENSIONS: mm (in.)			
	L	W	T	R
HLC	1.00±0.10	0.58±0.075	0.35±0.10	0.125±0.050
HLQ	(0.040±0.004)	(0.023±0.003)	(0.014±0.004)	(0.005±0.002)
HL02	1.00±0.10	0.58±0.075	0.35±0.10	0.008±0.002
	(0.039±0.004)	(0.023±0.003)	(0.014±0.004)	(0.023±0.051)

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (nH)	SRF Min (GHz)	RDC Max (mΩ)	IDC Max (mA)	Price Each		
						1	50	100
HLC Series High Current								
581-HLC021R1BTTR	HLC021R1BTTR	1.1	20	100	782			
581-HLC021R2BTTR	HLC021R2BTTR	1.2	20	110	751			
581-HLC021R3BTTR	HLC021R3BTTR	1.3	19	130	725			
581-HLC021R5BTTR	HLC021R5BTTR	1.5	19	150	679			
581-HLC021R6BTTR	HLC021R6BTTR	1.6	18	150	660			
581-HLC021R8BTTR	HLC021R8BTTR	1.8	18	160	626			
581-HLC022R2BTTR	HLC022R2BTTR	2.2	16	200	571			
581-HLC022R4BTTR	HLC022R4BTTR	2.4	15	200	549			
581-HLC022R7BTTR	HLC022R7BTTR	2.7	14	250	521			
581-HLC023R3BTTR	HLC023R3BTTR	3.3	11	340	476			
581-HLC023R6BTTR	HLC023R6BTTR	3.6	10	350	457			
581-HLC023R9BTTR	HLC023R9BTTR	3.9	10	400	441			
581-HLC024R7BTTR	HLC024R7BTTR	4.7	9	480	405			
581-HLC025R6BTTR	HLC025R6BTTR	5.6	8	500	375			
581-HLC026R8BTTR	HLC026R8BTTR	6.8	7	600	343			
581-HLC028R2BTTR	HLC028R2BTTR	8.2	6	800	315			
581-HLC021R0BTTR	HLC021R0BTTR	1	20	100	800			
581-HLC022R0BTTR	HLC022R0BTTR	2	17	180	596			
581-HLC023R0BTTR	HLC023R0BTTR	3	12	300	497			
581-HLC02100HTTR	HLC02100HTTR	10	5	1000	290			
581-HLC02120HTTR	HLC02120HTTR	12	4	1100	265			
581-HLC02150HTTR	HLC02150HTTR	15	4	1200	240			
581-HLC02180HTTR	HLC02180HTTR	18	3	1500	210			
581-HLC02220HTTR	HLC02220HTTR	22	3	1900	202			
581-HLC02270HTTR	HLC02270HTTR	27	3	2100	184			
581-HLC02320HTTR	HLC02320HTTR	32	2	2200	175			
HLQ Series High Q								
581-HLQ021R1BTTR	HLQ021R1BTTR	1.1	7	100	330			
581-HLQ021R2BTTR	HLQ021R2BTTR	1.2	7	110	330			
581-HLQ021R3BTTR	HLQ021R3BTTR	1.3	7	130	330			
581-HLQ021R5BTTR	HLQ021R5BTTR	1.5	7	150	330			
581-HLQ021R6BTTR	HLQ021R6BTTR	1.6	7	150	300			
581-HLQ021R8BTTR	HLQ021R8BTTR	1.8	7	160	300			
581-HLQ022R2BTTR	HLQ022R2BTTR	2.2	7	200	245			
581-HLQ022R4BTTR	HLQ022R4BTTR	2.4	7	200	245			
581-HLQ022R7BTTR	HLQ022R7BTTR	2.7	7	250	245			
581-HLQ023R3BTTR	HLQ023R3BTTR	3.3	7	340	225			
581-HLQ023R6BTTR	HLQ023R6BTTR	3.6	7	350	200			
581-HLQ023R9BTTR	HLQ023R9BTTR	3.9	7	400	200			
581-HLQ024R7BTTR	HLQ024R7BTTR	4.7	7	480	195			

MOUSER STOCK NO.	AVX Part No.	Value (nH)	SRF Min (GHz)	RDC Max (mΩ)	IDC Max (mA)	Price Each		
						1	50	100
HLQ Series High Q (Cont.)								
581-HLQ025R6BTTR	HLQ025R6BTTR	5.6	7	500	170			
581-HLQ026R8BTTR	HLQ026R8BTTR	6.8	7	600	160			
581-HLQ028R2BTTR	HLQ028R2BTTR	8.2	6	800	130			
581-HLQ021R0BTTR	HLQ021R0BTTR	1	7	100	330			
581-HLQ022R0BTTR	HLQ022R0BTTR	2	7	180	245			
581-HLQ023R0BTTR	HLQ023R0BTTR	3	7	300	225			
581-HLQ02100HTTR	HLQ02100HTTR	10	5	1000	120			
581-HLQ02120HTTR	HLQ02120HTTR	12	4	1100	110			
581-HLQ02150HTTR	HLQ02150HTTR	15	4	1200	110			
581-HLQ02180HTTR	HLQ02180HTTR	18	3	1500	110			
581-HLQ02220HTTR	HLQ02220HTTR	22	3	1900	95			
581-HLQ02270HTTR	HLQ02270HTTR	27	3	2100	95			
581-HLQ02320HTTR	HLQ02320HTTR	32	2	2200	85			
HL02 Series								
581-HL021R0BTTR	HL021R0BTTR	1.0	18.3	0.095	346			
581-HL021R1BTTR	HL021R1BTTR	1.1	17.45	0.099	345			
581-HL021R2BTTR	HL021R2BTTR	1.2	16.35	0.107	343			
581-HL021R3BTTR	HL021R3BTTR	1.3	15.55	0.113	342			
581-HL021R5BTTR	HL021R5BTTR	1.5	14	0.128	340			
581-HL021R6BTTR	HL021R6BTTR	1.6	13.4	0.137	339			
581-HL021R8BTTR	HL021R8BTTR	1.8	12.1	0.154	337			
581-HL022R0BTTR	HL022R0BTTR	2	10.85	0.168	335			
581-HL022R2BTTR	HL022R2BTTR	2.2	10.15	0.178	334			
581-HL022R4BTTR	HL022R4BTTR	2.4	9.4	0.192	330			
581-HL022R7BTTR	HL022R7BTTR	2.7	8.55	0.219	327			
581-HL023R0BTTR	HL023R0BTTR	3	7.9	0.245	324			
581-HL023R3BTTR	HL023R3BTTR	3.3	7.35	0.265	321			
581-HL023R6BTTR	HL023R6BTTR	3.6	6.85	0.28	311			
581-HL023R9BTTR	HL023R9BTTR	3.9	6.5	0.294	314			
581-HL024R7BTTR	HL024R7BTTR	4.7	5.65	0.342	294			
581-HL025R6BTTR	HL025R6BTTR	5.6	5.08	0.394	295			
581-HL026R8BTTR	HL026R8BTTR	6.8	4.45	0.47	274			
581-HL028R2BTTR	HL028R2BTTR	8.2	3.95	0.57	255			
581-HL02100GTTR	HL02100GTTR	10	3.53	0.674	235			
581-HL02120GTTR	HL02120GTTR	12	3.08	0.756	210			
581-HL02150GTTR	HL02150GTTR	15	2.68	0.904	200			
581-HL02180GTTR	HL02180GTTR	18	2.38	1.213	190			
581-HL02220GTTR	HL02220GTTR	22	2.2	1.317	180			
581-HL02270GTTR	HL02270GTTR	27	1.94	1.621	160			
581-HL02320GTTR	HL02320GTTR	32	1.73	1.935	150			

AVX LMAX SMD Power Inductors



NEW FROM AVX

Inductors

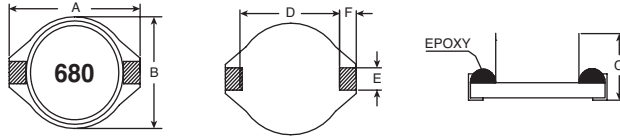
AVX

NEW FROM AVX

NEW FROM AVX

RoHS Compliant This product is RoHS compliant.

LMXS SERIES - SHIELDED

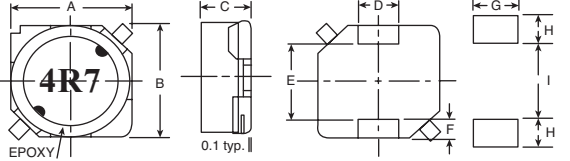


Type	A max.	B max.	C max.	D	E	F
0704	6.60 (0.260)	4.45 (0.175)	2.92 (0.115)	4.32 (0.170)	1.27 (0.050)	1.02 (0.040)

Style D

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Inductance @ 100 KHz L (μH)	Tol. (%)	DCR (Ω) Max.	IDC (A) Max.	Type	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
581-LMXS0704M100DTAS	LMXS0704M100DTAS	10	20	0.075	38	0704				2000	
581-LMXS0704M680DTAS	LMXS0704M680DTAS	68	20	0.29	15	0704				2000	
581-LMXS0704M471DTAS	LMXS0704M471DTAS	470	20	1.80	4	0704				2000	

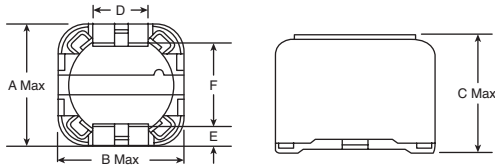


Type	A	B	C	D	E	F
06C6	6.00 ± 0.20 (0.236 ± 0.008)	6.00 ± 0.20 (0.236 ± 0.008)	2.80 ± 0.20 (0.110 ± 0.008)	2.00 ± 0.10 (0.079 ± 0.004)	3.00 typ. (0.118 typ)	1.50 typ. (0.059 typ)
131J	12.5 ± 0.30 (0.492 ± 0.012)	12.5 ± 0.30 (0.492 ± 0.012)	7.50 ± 0.35 (0.295 ± 0.014)	3.00 ± 0.10 (0.118 ± 0.004)	8.60 ± 0.30 (0.339 ± 0.012)	2.00 ± 0.15 (0.079 ± 0.006)

Style F

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Inductance @ 100 KHz L (μH)	Tol. (%)	DCR (Ω) Max.	IDC (A) Max.	Type	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
581-LMXS06C6M100FTAS	LMXS06C6M100FTAS	10	20	0.098	1.30	06C6				1000	
581-LMXS131JM220FTAS	LMXS131JM220FTAS	22	20	0.032	4.00	131J				500	
581-LMXS131JM470FTAS	LMXS131JM470FTAS	47	20	0.064	2.70	131J				500	
581-LMXS131JM680FTAS	LMXS131JM680FTAS	68	20	0.094	2.00	131J				500	

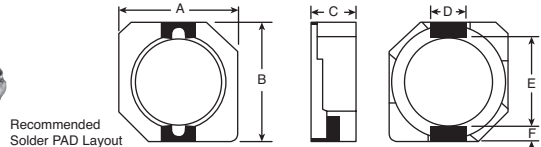


Type	A max.	B max.	C max.	D	E	F
1212	12.5 (0.492)	12.5 (0.492)	4.50 (0.177)	5.00 (0.197)	2.00 (0.079)	7.60 (0.299)
121J	12.5 (0.492)	12.5 (0.492)	8.00 (0.315)	5.00 (0.197)	2.00 (0.079)	7.60 (0.299)

Style H

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Inductance @ 100 KHz L (μH)	Tol. (%)	DCR (Ω) Max.	IDC (A) Max.	Type	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
581-LMXS1212M330HTAS	LMXS1212M330HTAS	33	20	0.097	2.70	1212				500	
581-LMXS121JM470HTAS	LMXS121JM470HTAS	47	20	0.100	2.50	121J				500	



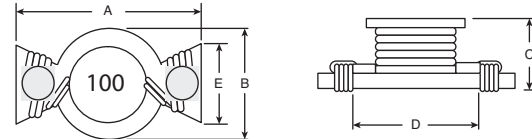
Type	A	B	C	D	E	F
1010	10.3 (0.398)	10.5 (0.414)	3.10 (0.122)	3.00 ± 0.10 (0.119 ± 0.004)	7.70 ± 0.30 (0.303 ± 0.012)	1.20 ± 0.150 (0.048 ± 0.006)
101D	10.3 (0.398)	10.5 (0.414)	3.80 ± 0.20 (0.150 ± 0.008)	3.00 ± 0.1 (0.119 ± 0.004)	7.70 ± 0.30 (0.303 ± 0.012)	1.2 ± 0.15 (0.048 ± 0.006)

Style L

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Inductance @ 100 KHz L (μH)	Tol. (%)	DCR (Ω) Max.	IDC (A) Max.	Type	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
581-LMXS1010N100LTAS	LMXS1010N100LTAS	10	30	0.059	3.18	1010				800	
581-LMXS101DN100LTAS	LMXS101DN100LTAS	10	30	0.035	4.40	101D				800	
581-LMXS101DN220LTAS	LMXS101DN220LTAS	22	30	0.073	2.90	101D				800	
581-LMXS101DN470LTAS	LMXS101DN470LTAS	47	30	0.128	2.10	101D				800	

LMXN SERIES - NON SHIELDED

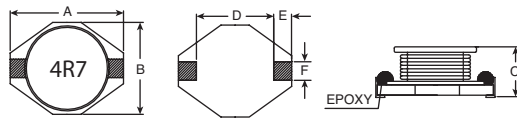


Type	A max.	B max.	C max.	D	E
0906	8.89 (0.350)	6.40 (0.252)	5.00 (0.197)	5.84 (0.230)	2.60 (0.103)
2216	22.35 (0.880)	16.26 (0.604)	8.00 (0.315)	16.00 (0.630)	8.00 (0.315)

Style B

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Inductance @ 100 KHz L (μH)	Tol. (%)	DCR (Ω) Max.	IDC (A) Max.	Type	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
581-LMXN0906MR47BTAS	LMXN0906MR47BTAS	0.47	20	0.250	7.7	0906				1000	
581-LMXN2216M2R2BTAS	LMXN2216M2R2BTAS	2.2	20	0.006	20	2216				250	
581-LMXN0906M220BTAS	LMXN0906M220BTAS	22	20	0.250	1.2	0906				1000	
581-LMXN2216M470BTAS	LMXN2216M470BTAS	47	20	0.096	5	2216				250	

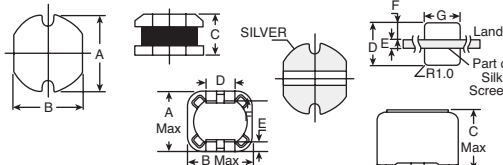


Type	A max.	B max.	C max.	D	E	F
1915	18.54 (0.730)	15.24 (0.600)	7.11 (0.280)	12.7 (0.500)	2.54 (0.100)	2.54 (0.100)

Style C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Inductance @ 100 KHz L (μH)	Tol. (%)	DCR (Ω) Max.	IDC (A) Max.	Type	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
581-LMXN1915M100CTAS	LMXN1915M100CTAS	10	20	0.031	10	1915				250	
581-LMXN1915M102CTAS	LMXN1915M102CTAS	1000	20	1.800	1.0	1915				250	



Type	A	B	C	D	E	F	G
0605	5.80 ± 0.30 (0.228 ± 0.012)	5.20 ± 0.30 (0.205 ± 0.012)	4.50 ± 0.35 (0.177 ± 0.014)	6.00 (0.236)	1.70 (0.067)	2.15 (0.085)	5.50 (0.217)

Style D

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Inductance @ 100 KHz L (μH)	Tol. (%)	DCR (Ω) Max.	IDC (A) Max.	Type	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
581-LMXN0605M330DTAS	LMXN0605M330DTAS	33	0605	0.230	0.88	20				1000	
581-LMXN0605M470DTAS	LMXN0605M470DTAS	47	0605	0.370	0.72	20				1000	

BI TECHNOLOGIES Power Inductors



RoHS Compliant This product is RoHS compliant.

BI Technologies

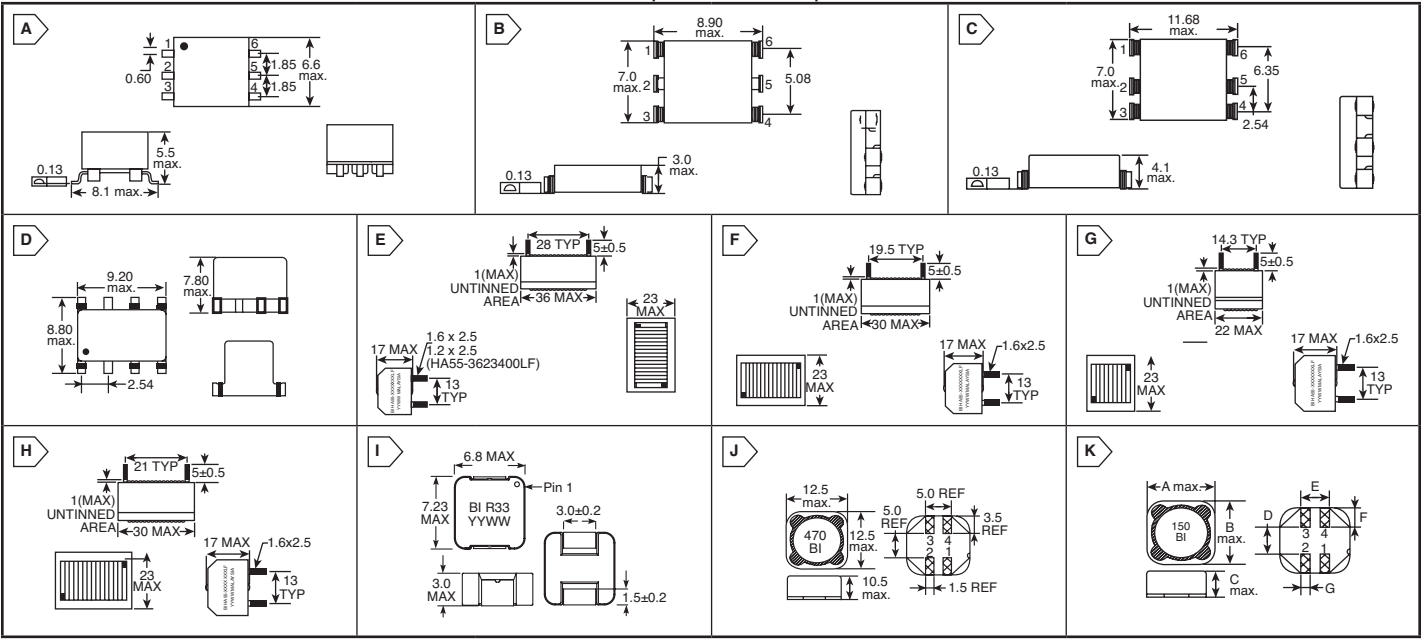
NEW AT MOUSER

Inductors

BI Technologies

NEW AT MOUSER

NEW AT MOUSER



HM42 SERIES GATE DRIVE TRANSFORMER INDUCTORS

- Features:**
- Operating Temperature Range: -40 to +125°C
 - Ambient Temperature Max.: +85°C
 - 1500VDC Isolation between gate and drive
 - Basic insulation 1500Vrms between primary and secondary

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (μH) Min.	Leakage Inductance (μH) Max.	DCR (Ω) Typ.	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	50	100		
858	HM42-10001LFTR	A	300	2.30	2.00				750	
858	HM42-10002LFTR	A	300	2.30	2.00				750	
858	HM42-20001LFTR	B	695	0.50	1.00				1500	
858	HM42-20002LFTR	B	785	0.46	0.60				1500	
858	HM42-30001LFTR	C	980	0.75	0.50				1000	
858	HM42-30002LFTR	C	980	0.75	0.50				1000	
858	HM42-30003LFTR	C	1500	0.50	0.62				1000	
858	HM42-40001LFTR	D	3300	0.70	1.60				450	
858	HM42-40002LFTR	D	1400	0.50	0.60				450	
858	HM42-40003LFTR	D	1200	0.50	0.50				450	
858	HM42-40004LFTR	D	1200	0.60	0.60				450	

HA55 SERIES POWER INDUCTORS

- Features:**
- Operating Temperature Range: -40 to +155°C
 - Ambient Temperature Max.: +85°C
- Applications:**
- Use as DC-DC converter and in high current applications. Suitable for industrial as well as automotive application.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (μH) Typ.	Irated (A)	Isat (A)	DC Resistance (mΩ)	Price Each			
Mfr.	Mfr. Part No.						1	50	100	1000
858	HA55-3623200LF	E	20.00	33.00	35.0	3.35				
858	HA55-3023115LF	F	11.50	39.00	43.0	2.30				
858	HA55-2223070LF	G	7.00	40.00	48.0	1.70				
858	HA55-3023130LF	H	13.00	37.00	40.0	2.50				
858	HA55L-3623220LF	E	22.00	34.00	26.0	3.35				
858	HA55L-3023135LF	F	13.50	39.00	30.0	2.30				
858	HA55L-2223088LF	G	8.83	41.00	33.0	1.70				
858	HA55L-3023163LF	H	16.30	37.00	27.0	2.50				
858	HA55L-3623400LF	E	40.00	26.00	20.0	5.70				

HM72B SERIES SMT INDUCTORS

- Operating Temperature Range: -40°C to +130°C
- Temperature Rise, Maximum: +50°C
- Operating Frequency: Up to 3MHz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance μH±20%	Heating Current (ADC)	Isat (A)	DCR (mΩ) Typ.	Price Each			
Mfr.	Mfr. Part No.						1	100	500	2000
858	HM72B-06R10LF	I	0.1	26.2	60	1.5				
858	HM72B-06R15LF	I	0.15	23.3	52	1.9				
858	HM72B-06R22LF	I	0.22	20.3	40	2.5				
858	HM72B-06R33LF	I	0.33	18	30	3.2				
858	HM72B-06R47LF	I	0.47	16.1	26	4				
858	HM72B-06R68LF	I	0.68	14.4	25	5				
858	HM72B-06R82LF	I	0.82	12	24	7.2				
858	HM72B-061R0LF	I	1	10.3	22	9				
858	HM72B-061R5LF	I	1.5	8.4	18	13				
858	HM72B-062R2LF	I	2.2	8.3	14	15				
858	HM72B-063R3LF	I	3.3	6.6	13.5	26.5				
858	HM72B-064R7LF	I	4.7	5.4	10	35				
858	HM72B-066R8LF	I	6.8	4.1	8	62				
858	HM72B-06100LF	I	10	3.2	7	100				

HM78D SERIES SURFACE MOUNT COUPLED INDUCTORS

- Features:**
- Operating Temperature Range: -40 to +125°C
 - Ambient Temperature Max.: +85°C
 - Temperature Rise, Max.: +40°C
 - Operating Frequency: Up to 3MHz
- Applications:**
- Ideal for SEPIC applications, high inductance, high efficiency and excellent current handling in rugged, low cost part
 - Use as DC-DC converter and in applications like hand phones, CD/DVD player, digital camera, GPS system

Case Size	A	B	C	D	E	F	G
128	12.50	12.50	8.05	5.00	5.00	3.50	1.50
755	7.70	7.70	4.80	3.90	2.70	1.55	0.72

Shielded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (μH±20%)	DCR (Ω) Typ.	Isat (A)	Irms (A)	Price Each			
Mfr.	Mfr. Part No.						1	50	100	500
Case 128										
858	HM78D1284R7MLFTR	J	4.7	0.0190	14.90	7.40				
858	HM78D1286R8MLFTR	J	6.8	0.0240	13.10	6.90				
858	HM78D128100MLFTR	J	10	0.0290	10.50	6.20				
858	HM78D128150MLFTR	J	15	0.0360	9.10	5.80				
858	HM78D128220MLFTR	J	22	0.0480	6.80	5.20				
858	HM78D128330MLFTR	J	33	0.0750	5.60	4.20				
858	HM78D128470MLFTR	J	47	0.0900	5.20	3.00				
858	HM78D128680MLFTR	J	68	0.1050	4.10	2.60				
858	HM78D128101MLFTR	J	100	0.1500	3.40	2.00				
858	HM78D128151KL FTR	J	150	0.2300	2.80	1.80				
858	HM78D128221KL FTR	J	220	0.3450	2.30	1.60				
858	HM78D128151KL FTR	J	150	0.2300	2.80	1.80				
858	HM78D128331KL FTR	J	330	0.5100	1.90	1.30				
858	HM78D128471KL FTR	J	470	0.7650	1.60	0.87				
858	HM78D128681KL FTR	J	680	1.1450	1.30	0.76				
858	HM78D128102KL FTR	J	1000	1.4150	1.10	0.60				

Case 755

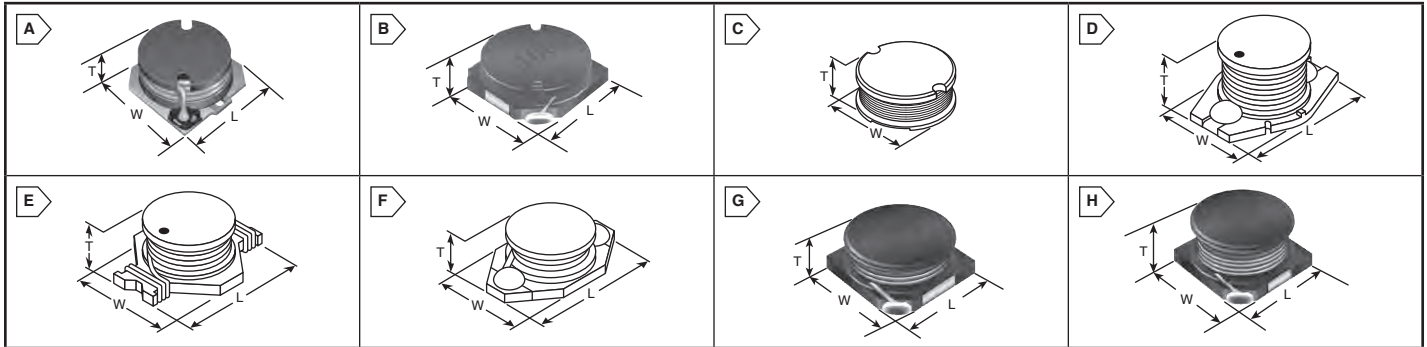
858	HM78D755R33MLFTR	J	0.33	0.0074	18.40	6.20				
858	HM78D7551R5MLFTR	J	1.5	0.0115	8.35	4.96				
858	HM78D7553R3MLFTR	J	3.3	0.0183	5.40	3.94				
858	HM78D7556R8MLFTR	J	6.8	0.0418	3.67	2.60				
858	HM78D755100MLFTR	J	10	0.0489	3.17	2.41				
858	HM78D755220MLFTR	J	22	0.0925	2.13	1.75				
858	HM78D755470MLFTR	J	47	0.2160	1.41	1.15				
858	HM78D755820MLFTR	J	82	0.3450	1.11	0.91				
858	HM78D755151MLFTR	J	150	0.5910	0.81	0.69				
858	HM78D755331MLFTR	J	330	1.4100	0.54	0.45				
858	HM78D755681MLFTR	J	680	2.5800	0.38	0.33				
858	HM78D755102MLFTR	J	1000	3.8900	0.31	0.27				

Unshielded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (μH±20%)	DCR (Ω) Typ.	Isat (A)	Irms (A)	Price Each			
Mfr.	Mfr. Part No.						1	150	300	600
858	HM78D12104R7MLFR	K	4.7	0.014	18.00	3.25				
858	HM78D12106R8MLFR	K	6.8	0.017	14.20	3.10				
858	HM78D12108R2MLFR	K	8.2	0.018	12.85	2.25				
858	HM78D1210100MLFR	K	10	0.020	11.75	3.20				
858	HM78D1210220MLFR	K	22	0.040	8.20	2.70				
858	HM78D1210330MLFR	K	33	0.050	6.60	2.00				
858	HM78D1210470MLFR	K	47	0.065	5.50	1.90				
858	HM78D1210560MLFR	K	56	0.081	4.90	0.85				
858	HM78D1210680MLFR	K	68	0.098	4.45	0.80				
858	HM78D1210101MLFR	K	100	0.128	3.70	0.70				
858	HM78D1210121MLFR	K	120	0.170	3.40	0.63				
858	HM78D1210331MLFR	K	330	0.440	2.10	0.41				
858	HM78D1210471MLFR	K	470	0.570	1.80	0.30				

RoHS Compliant This product is RoHS compliant.



SDR SERIES LEAD FREE NON-SHIELDED POWER INDUCTORS

Applications:

- Input/output of DC/DC Converters
- Portable Communication Equipment
- Camcorders
- LCD TVs
- Car Radios



For quantities greater than listed, call for quote.

Series	DIMENSIONS: mm (in.)			Price Each		Reel Qty.	Price Per Piece
	Length (L)	Width (W)	Thickness (T)	1	100		
SDR1105	10 (.394)	11.1 (.437)	4.8 (.189)			800	
SDR1305	12.7 (.3)	12.7 (.3)	4.8 (.189)			600	
SDR1307	--	13 (.512)	7.0 (.276)			400	
SDR1806	18.3 (.720)	14.0 (.551)	6.6 (.260)			250	
SDR2207	22.0 (.866)	15.0 (.591)	7.0 (.276)			250	
SDR6603	6.60 (.260)	4.45 (.175)	2.92 (.115)			600	
SDR7030	7.0 (.276)	7.0 (.276)	3.0 (0.3)			1500	
SDR7045	7.0 (.276)	7.0 (.276)	4.5 (0.3)			1000	

SDR1105 Series

MOUSER STOCK NO.		Fig.	Value (uF)	RDC max. (Ω)	I rms max. (A)	I sat Type (A)
Mfr.	Mfr. Part No.					
652	SDR1105-220ML	A	22	0.080	3.00	6.5
652	SDR1105-330KL	A	33	0.100	2.60	5.0
652	SDR1105-390KL	A	39	0.140	2.40	4.5
652	SDR1105-101KL	A	100	0.320	1.50	2.8
652	SDR1105-151KL	A	150	0.500	1.20	2.3
652	SDR1105-201KL	A	200	0.650	1.00	1.8

SDR1305 Series

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR1305-221K	B	220	16	0.796	7
652	SDR1305-102K	B	1000	41	0.252	2.7

SDR1307 Series

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR1307-1R5ML	C	1.5	20	7.96	65
652	SDR1307-2R2ML	C	2.2	22	7.96	50
652	SDR1307-2R7ML	C	2.7	24	7.96	40
652	SDR1307-3R3ML	C	3.3	26	7.96	38
652	SDR1307-4R7ML	C	4.7	25	7.96	36
652	SDR1307-5R6ML	C	5.6	24	7.96	28
652	SDR1307-6R8ML	C	6.8	24	7.96	26
652	SDR1307-8R2ML	C	8.2	24	7.96	24
652	SDR1307-100ML	C	10	22	2.52	22
652	SDR1307-120ML	C	12	25	2.52	20
652	SDR1307-150ML	C	15	28	2.52	17
652	SDR1307-180ML	C	18	28	2.52	16
652	SDR1307-220ML	C	22	40	2.52	15
652	SDR1307-270ML	C	27	35	2.52	11
652	SDR1307-330KL	C	33	35	2.52	10
652	SDR1307-390KL	C	39	28	2.52	9
652	SDR1307-470KL	C	47	24	2.52	7.5
652	SDR1307-560KL	C	56	22	2.52	7.2
652	SDR1307-680KL	C	68	24	2.52	7
652	SDR1307-820KL	C	82	18	2.52	6
652	SDR1307-101KL	C	100	25	0.796	5.8
652	SDR1307-121KL	C	120	20	0.796	5.5
652	SDR1307-151KL	C	150	20	0.796	4.5
652	SDR1307-181KL	C	180	18	0.796	4
652	SDR1307-221KL	C	220	15	0.796	3.8
652	SDR1307-271KL	C	270	15	0.796	3.5
652	SDR1307-331KL	C	330	15	0.796	3.2
652	SDR1307-391KL	C	390	12	0.796	2.5
652	SDR1307-471KL	C	470	12	0.796	2.2
652	SDR1307-561KL	C	560	10	0.796	2
652	SDR1307-681KL	C	680	10	0.796	1.6
652	SDR1307-821KL	C	820	10	0.796	1.5
652	SDR1307-102KL	C	1000	10	0.252	1.4

SDR1806 Series

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR1806-1R0ML	D	1	21	7.96	100
652	SDR1806-2R2ML	D	2.2	22	7.96	55
652	SDR1806-3R3ML	D	3.3	22	7.96	40
652	SDR1806-5R6ML	D	5.6	23	7.96	30
652	SDR1806-100ML	D	10	22	2.52	25
652	SDR1806-150ML	D	15	20	2.52	17

SDR1806 Series (Cont.)

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR1806-220ML	D	22	22	2.52	13
652	SDR1806-330ML	D	33	24	2.52	11
652	SDR1806-470ML	D	47	22	2.52	9
652	SDR1806-680ML	D	68	22	2.52	8
652	SDR1806-101KL	D	100	25	0.796	7
652	SDR1806-151KL	D	150	23	0.796	5
652	SDR1806-221KL	D	220	20	0.796	4.5
652	SDR1806-331KL	D	330	18	0.796	3.5
652	SDR1806-471KL	D	470	15	0.796	3
652	SDR1806-681KL	D	680	12	0.796	2.5
652	SDR1806-102KL	D	1000	10	0.252	2

SDR2207 Series

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR2207-1R8ML	E	1.8	31	3	51
652	SDR2207-3R3ML	E	3.3	38	3	39
652	SDR2207-4R7ML	E	4.7	38	3	33
652	SDR2207-8R2ML	E	8.2	35	3	25
652	SDR2207-100ML	E	10	53	5	20
652	SDR2207-150YL	E	15	38	5	16
652	SDR2207-180YL	E	18	46	5	15
652	SDR2207-220YL	E	22	27	3	14
652	SDR2207-330YL	E	33	27	3	11
652	SDR2207-470KL	E	47	27	3	9
652	SDR2207-680KL	E	68	18	2	7.9
652	SDR2207-101KL	E	100	18	2	6
652	SDR2207-121KL	E	120	20	2	6
652	SDR2207-181KL	E	180	20	2	5.7

SDR6603 Series

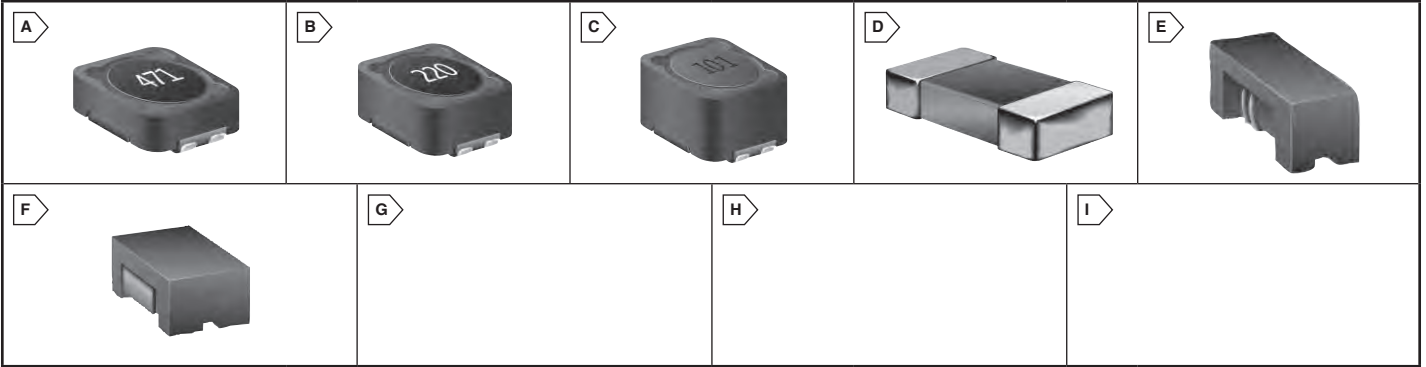
MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR6603-1R0M	F	1	20	8	130
652	SDR6603-1R5M	F	1.5	19	7.96	115
652	SDR6603-2R2M	F	2.2	18	7.96	90
652	SDR6603-3R3M	F	3.3	18.5	7.96	70
652	SDR6603-4R7M	F	4.7	17	7.96	50
652	SDR6603-6R8M	F	6.8	15.5	7.96	45
652	SDR6603-100M	F	10	17	2.52	35
652	SDR6603-150M	F	15	17	2.52	30
652	SDR6603-220M	F	22	16	2.52	20
652	SDR6603-330M	F	33	24	2.52	15
652	SDR6603-470M	F	47	15	2.52	14
652	SDR6603-680M	F	68	18	2.52	11
652	SDR6603-101M	F	100	29	0.796	9
652	SDR6603-151M	F	150	41	0.796	6
652	SDR6603-221M	F	220	33	0.796	5.5
652	SDR6603-331M	F	330	42	0.796	5
652	SDR6603-471M	F	470	42	0.796	4
652	SDR6603-681M	F	680	58	0.796	3
652	SDR6603-102M	F	1000	71	0.252	2

SDR7030 Series

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR7030-100M	G	10	16	2.52	35

SDR7045 Series

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR7045-680K	H	68	17	2.52	11
652	SDR7045-331K	H	330	20	0.796	6



DUAL-WINDING SHIELDED POWER INDUCTORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Impedance @ 100 MHz (Ω) ±25%	Tol. %	DCR (Ω) Max.	I _{rms} (A)	I _{sat} (A)	Price Each				
Mfr.	Mfr. Part No.							1	50	100	500	1500
SRF0703 Series												
652—SRF0703-R33M	A		0.33	±20	0.0092	6.19	14.4					
652—SRF0703-1R0M	A		1.0	±20	0.0135	5.25	7.97					
652—SRF0703-1R5M	A		1.5	±20	0.0191	4.64	6.52					
652—SRF0703-2R2M	A		2.2	±20	0.0217	4.11	5.52					
652—SRF0703-3R3M	A		3.3	±20	0.0316	3.31	4.22					
652—SRF0703-4R7M	A		4.7	±20	0.0406	3.09	3.78					
652—SRF0703-6R8M	A		6.8	±20	0.0658	2.55	3.12					
652—SRF0703-8R2M	A		8.2	±20	0.0772	2.19	2.66					
652—SRF0703-100M	A		10	±20	0.0826	2.08	2.47					
652—SRF0703-150M	A		15	±20	0.119	1.83	2.05					
652—SRF0703-220M	A		22	±20	0.15	1.62	1.67					
652—SRF0703-330M	A		33	±20	0.24	1.31	1.35					
652—SRF0703-470M	A		47	±20	0.338	1.08	1.14					
652—SRF0703-680M	A		68	±20	0.507	0.89	0.96					
652—SRF0703-820M	A		82	±20	0.61	0.86	0.89					
652—SRF0703-101M	A		100	±20	0.715	0.73	0.79					
652—SRF0703-151M	A		150	±20	0.986	0.58	0.65					
652—SRF0703-221M	A		220	±20	1.48	0.52	0.53					
652—SRF0703-331M	A		330	±20	2.16	0.42	0.44					
652—SRF0703-471M	A		470	±20	2.82	0.35	0.37					
652—SRF0703-681M	A		680	±20	3.96	0.29	0.31					
652—SRF0703-821M	A		820	±20	5.01	0.27	0.28					
652—SRF0703-102M	A		1000	±20	6.11	0.26	0.25					
SRF1260 Series												
652—SRF1260-100M	B		10	±20	0.0246	5.35	7.17					
652—SRF1260-150M	B		15	±20	0.0329	4.27	5.69					
652—SRF1260-220M	B		22	±20	0.0451	3.7	4.71					
652—SRF1260-330M	B		33	±20	0.0618	3.28	3.84					
652—SRF1260-470M	B		47	±20	0.086	2.71	3.24					
652—SRF1260-680M	B		68	±20	0.117	2.22	2.7					
652—SRF1260-820M	B		82	±20	0.15	2.05	2.39					
652—SRF1260-101M	B		100	±20	0.171	1.78	2.2					
652—SRF1260-151M	B		150	±20	0.254	1.48	1.81					
652—SRF1260-221M	B		220	±20	0.354	1.19	1.51					
652—SRF1260-331M	B		330	±20	0.574	1.06	1.22					
652—SRF1260-471M	B		470	±20	0.83	0.87	1.02					
652—SRF1260-681M	B		680	±20	1.212	0.7	0.85					
652—SRF1260-821M	B		820	±20	1.46	0.6	0.77					
652—SRF1260-102M	B		1000	±20	1.854	0.57	0.7					
SRF1280 Series												
652—SRF1280-100M	C		10	±20	0.0241	6.04	11.2					
652—SRF1280-150M	C		15	±20	0.0333	5.03	9.66					
652—SRF1280-220M	C		22	±20	0.0503	4	7.57					
652—SRF1280-330M	C		33	±20	0.0664	3.23	6.22					
652—SRF1280-470M	C		47	±20	0.0898	2.95	5.28					
652—SRF1280-680M	C		68	±20	0.123	2.44	4.44					
652—SRF1280-820M	C		82	±20	0.153	2.09	4.06					
652—SRF1280-101M	C		100	±20	0.175	1.96	3.64					
652—SRF1280-151M	C		150	±20	0.261	1.59	3.01					
652—SRF1280-221M	C		220	±20	0.343	1.29	2.43					
652—SRF1280-331M	C		330	±20	0.54	1.04	2.01					
652—SRF1280-471M	C		470	±20	0.865	0.85	1.68					
652—SRF1280-681M	C		680	±20	1.296	0.76	1.39					
652—SRF1280-821M	C		820	±20	1.632	0.65	1.27					
652—SRF1280-102M	C		1000	±20	1.992	0.61	1.14					

MULTILAYER POWER CHIP INDUCTORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Impedance @ 100 MHz (Ω) ±25%	Tol. %	DCR (Ω) Max.	IDC Max. (mA)	Price Each				
Mfr.	Mfr. Part No.						1	50	100	500	2000
CVH252009 Series											
652—CVH252009-R47M	D		±20%	0.04	100	1800					
652—CVH252009-1R0M	D		±20%	0.055	60	1600					
652—CVH252009-1R5M	D		±20%	0.07	50	1500					
652—CVH252009-2R2M	D		±20%	0.08	40	1300					
652—CVH252009-3R3M	D		±20%	0.10	30	1200					
652—CVH252009-4R7M	D		±20%	0.11	25	1100					

COMMON MODE CHIP INDUCTORS

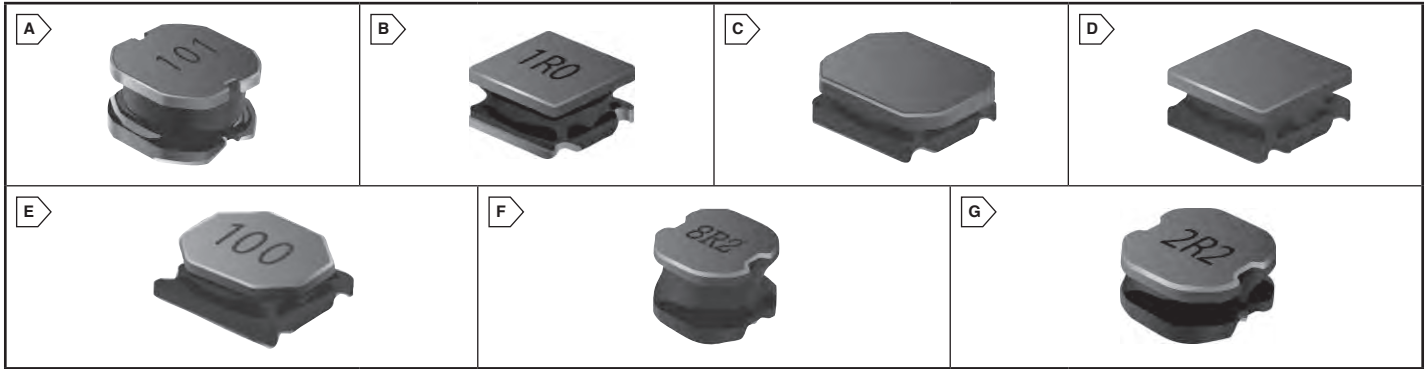
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Impedance @ 100 MHz (Ω) ±25%	Tol. %	DCR (Ω) Max.	IDC Max. (mA)	Price Each				
Mfr.	Mfr. Part No.						1	50	100	500	2000
SRF2012 Series											
652—SRF2012-670YA	E		67	±25	0.25	400					
652—SRF2012-900YA	E		90	±25	0.3	400					
652—SRF2012-121YA	E		120	±25	0.3	400					
652—SRF2012-161YA	E		160	±25	0.35	350					
652—SRF2012-181YA	E		180	±25	0.35	350					
652—SRF2012-201YA	E		200	±25	0.4	300					
652—SRF2012-221YA	E		220	±25	0.4	300					
652—SRF2012-261YA	E		260	±25	0.4	300					
652—SRF2012-361YA	E		360	±25	0.45	300					
SRF4532 Series											
652—SRF4532-110Y	F		700	+50/-30	0.8	300					
652—SRF4532-220Y	F		1000	+50/-30	2.65	200					
652—SRF4532-510Y	F		2000	+50/-30	3.5	200					
652—SRF4532-101Y	F		5000	+50/-30	8.9	200					

SEMI-SHIELDED POWER INDUCTORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance @ 100 MHz L (μH)	Tol. %	DCR (Ω) Max.	I _{rms} (A)	I _{sat} (A)	Price Each				
Mfr.	Mfr. Part No.							1	100	500	2000	
SRN3015 Series												
652—SRN3015-1R0Y	G		1.0	±30	0.048	2.35	2.35					
652—SRN3015-1R5Y	G		1.5	±30	0.066	2.10	2.00					
652—SRN3015-2R2M	G		2.2	±20	0.072	1.80	1.65					
652—SRN3015-3R3M	G		3.3	±20	0.112	1.60	1.40					
652—SRN3015-4R7M	G		4.7	±20	0.136	1.40	1.20					
652—SRN3015-6R8M	G		5.8	±20	0.211	1.10	1.05					
652—SRN3015-100M	G		10	±20	0.276	1.00	0.88					
652—SRN3015-150M	G		15	±20	0.422	0.80	0.68					
652—SRN3015-180M	G		18	±20	0.546	0.65	0.62					
652—SRN3015-220M	G		22	±20	0.622	0.60	0.58					
652—SRN3015-330M	G		33	±20	0.959	0.50	0.46					
652—SRN3015-470M	G		47	±20	1.406	0.40	0.38					
652—SRN3015-101M	G		100	±20	2.920	0.29	0.27					
SRN6045 Series												
652—SRN6045-1R0Y	H		1.0	±30	0.0139	4.2	8.5					
652—SRN6045-1R3Y	H		1.3	±30	0.017	4.0	8.0					
652—SRN6045-1R8Y	H		1.8	±30	0.0198	3.7	7.0					
652—SRN6045-2R2Y	H		2.2	±30	0.0251	3.5	6.0					
652—SRN6045-3R3Y	H		3.3	±30	0.0302	3.2	5.0					
652—SRN6045-4R7Y	H		4.7	±30	0.0376	3.0	4.0					
652—SRN6045-6R8Y	H		6.8	±30	0.0473	2.8	3.8					
652—SRN6045-8R2Y	H		8.2	±30	0.055	2.7	3.3					
652—SRN6045-100M	H		10	±20	0.0586	2.5	3.0					
652—SRN6045-150M	H		15	±20	0.0958	1.9	2.3					
652—SRN6045-220M	H		22	±20	0.142	1.5	1.9					
652—SRN6045-330M	H		33	±20	0.188	1.4	1.5					
652—SRN6045-470M	H		47	±20	0.257	1.1	1.3					
652—SRN6045-680M	H		68	±20	0.351	0.9	1.0					
652—SRN6045-101M	H		100	±20	0.494	0.7	0.8					
SRN8040 Series												
652—SRN8040-R50Y	I		0.5	±30	0.007	10	12					
652—SRN8040-1R0Y	I		1.0	±30	0.01	7.8	11					
652—SRN8040-1R5Y	I		1.5	±30	0.011	7	8.2					
652—SRN8040-2R2Y	I		2.2	±30	0.013	6.3	7.4					
652—SRN8040-3R3Y	I		3.3	±30	0.021	5.6	5.5					
652—SRN8040-3R6Y	I		3.6	±30	0.022	4.9	5.3					
652—SRN8040-4R7Y	I		4.7	±30	0.024	4.1	4.7					
652—SRN8040-6R8Y	I		6.8	±30	0.033	3.9	4.2					
652—SRN8040-8R2Y	I		8.2	±30	0.045	3.7	4					
652—SRN8040-100M	I		10	±20	0.05	3.1	3.4					
652—SRN8040-150M	I		15	±20	0.07	2.4	2.7					
652—SRN8040-220M	I		22	±20	0.1	2.2	2.2					
652—SRN8040-330M	I		33	±20	0.145	1.7	1.9					
652—SRN8040-470M	I		47	±20	0.19	1.4	1.5					
652—SRN8040-680M	I		68	±20	0.275	1.1	1.2					
652—SRN8040-10												



SEMI-SHIELDED POWER INDUCTORS

PRODUCT **NEW**

SNN1060 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance @ 100 MHz L (μH)	Tol. %	DCR (Ω) Max.	I _{rms} (A)	Isat (A)	Price Each			
Mfr.	Mfr. Part No.							1	100	500	1000
652	SRN1060-100M	A	10	20	0.029	5.4	5.2				
652	SRN1060-180M	A	18	20	0.043	3.85	3.8				
652	SRN1060-220M	A	22	20	0.053	3.4	3.4				
652	SRN1060-330M	A	33	20	0.072	3.15	2.8				
652	SRN1060-470M	A	47	20	0.11	2.5	2.3				
652	SRN1060-101M	A	100	20	0.21	1.7	1.7				
652	SRN1060-151M	A	150	20	0.3	1.25	1.35				
652	SRN1060-221M	A	220	20	0.46	1.0	1.2				
652	SRN1060-331M	A	330	20	0.62	0.90	0.90				
652	SRN1060-471M	A	470	20	0.95	0.80	0.80				

PRODUCT **NEW**

SRN4018 Series (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance @ 100 MHz L (μH)	Tol. %	DCR (Ω) Max.	I _{rms} (A)	Isat (A)	Price Each			
Mfr.	Mfr. Part No.							1	100	500	1000
652	SRN4018-150M	D	15	20	0.264	1.0	1.1				
652	SRN4018-220M	D	22	20	0.348	0.9	0.95				
652	SRN4018-330M	D	33	20	0.552	0.7	0.75				
652	SRN4018-470M	D	47	20	0.780	0.6	0.62				
652	SRN4018-680M	D	68	20	1.128	0.5	0.50				
652	SRN4018-101M	D	100	20	1.596	0.4	0.45				
652	SRN4018-151M	D	150	20	2.400	0.3	0.35				
652	SRN4018-221M	D	220	20	3.552	0.3	0.30				

PRODUCT **NEW**

SRN3010 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance @ 100 MHz L (μH)	Tol. %	DCR (Ω) Max.	I _{rms} (A)	Isat (A)	Price Each			
Mfr.	Mfr. Part No.							1	100	500	1000
652	SRN3010-1R0Y	B	1.0	30	0.063	2.3	2.3				
652	SRN3010-1R2Y	B	1.2	30	0.081	2.1	1.9				
652	SRN3010-1R5Y	B	1.5	30	0.091	2	1.65				
652	SRN3010-2R2M	B	2.2	20	0.096	1.9	1.3				
652	SRN3010-3R3M	B	3.3	20	0.156	1.8	1.05				
652	SRN3010-4R7M	B	4.7	20	0.210	1.7	0.85				
652	SRN3010-6R8M	B	6.8	20	0.312	1.3	0.7				
652	SRN3010-100M	B	10	20	0.420	0.9	0.6				
652	SRN3010-150M	B	15	20	0.612	0.8	0.5				
652	SRN3010-220M	B	22	20	0.936	0.7	0.4				
652	SRN3010-330M	B	33	20	1.320	0.5	0.32				
652	SRN3010-470M	B	47	20	1.920	0.35	0.28				

PRODUCT **NEW**

SRN5020 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance @ 100 MHz L (μH)	Tol. %	DCR (Ω) Max.	I _{rms} (A)	Isat (A)	Price Each			
Mfr.	Mfr. Part No.							1	100	500	1000
652	SRN5020-1R0Y	E	1	30	0.025	3.6	4.0				
652	SRN5020-1R5Y	E	1.5	30	0.031	3.2	3.35				
652	SRN5020-2R2Y	E	2.2	30	0.042	2.9	2.9				
652	SRN5020-3R3M	E	3.3	20	0.058	2.4	2.4				
652	SRN5020-4R7M	E	4.7	20	0.072	2.0	2.0				
652	SRN5020-5R6M	E	5.6	20	0.106	1.8	1.8				
652	SRN5020-6R8M	E	6.8	20	0.108	1.65	1.6				
652	SRN5020-100M	E	10	20	0.144	1.45	1.3				
652	SRN5020-150M	E	15	20	0.198	1.20	1.10				
652	SRN5020-220M	E	22	20	0.312	1.0	0.90				
652	SRN5020-330M	E	33	20	0.516	0.9	0.80				

SRN3015 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance @ 100 MHz L (μH)	Tol. %	DCR (Ω) Max.	I _{rms} (A)	Isat (A)	Price Each			
Mfr.	Mfr. Part No.							1	100	500	2000
652	SRN3015-1R0Y	C	1.0	±30	0.048	2.35	2.35				
652	SRN3015-1R5Y	C	1.5	±30	0.066	2.10	2.00				
652	SRN3015-2R2M	C	2.2	±20	0.072	1.80	1.65				
652	SRN3015-3R3M	C	3.3	±20	0.112	1.60	1.40				
652	SRN3015-4R7M	C	4.7	±20	0.136	1.40	1.20				
652	SRN3015-6R8M	C	5.8	±20	0.211	1.10	1.05				
652	SRN3015-100M	C	10	±20	0.276	1.00	0.88				
652	SRN3015-150M	C	15	±20	0.422	0.80	0.68				
652	SRN3015-180M	C	18	±20	0.546	0.65	0.62				
652	SRN3015-220M	C	22	±20	0.622	0.60	0.58				
652	SRN3015-330M	C	33	±20	0.959	0.50	0.46				
652	SRN3015-470M	C	47	±20	1.406	0.40	0.38				
652	SRN3015-101M	C	100	±20	2.920	0.29	0.27				

PRODUCT **NEW**

SRN6045 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance @ 100 MHz L (μH)	Tol. %	DCR (Ω) Max.	I _{rms} (A)	Isat (A)	Price Each			
Mfr.	Mfr. Part No.							1	100	500	2000
652	SRN6045-1R0Y	F	1.0	±30	0.0139	4.2	8.5				
652	SRN6045-1R3Y	F	1.3	±30	0.017	4.0	8.0				
652	SRN6045-1R8Y	F	1.8	±30	0.0198	3.7	7.0				
652	SRN6045-2R2Y	F	2.2	±30	0.0251	3.5	6.0				
652	SRN6045-3R3Y	F	3.3	±30	0.0302	3.2	5.0				
652	SRN6045-4R7Y	F	4.7	±30	0.0376	3.0	4.0				
652	SRN6045-6R8Y	F	6.8	±30	0.0473	2.8	3.8				
652	SRN6045-8R2Y	F	8.2	±30	0.055	2.7	3.3				
652	SRN6045-100M	F	10	±20	0.0586	2.5	3.0				
652	SRN6045-150M	F	15	±20	0.0958	1.9	2.3				
652	SRN6045-220M	F	22	±20	0.142	1.5	1.9				
652	SRN6045-330M	F	33	±20	0.188	1.4	1.5				
652	SRN6045-470M	F	47	±20	0.257	1.1	1.3				
652	SRN6045-680M	F	68	±20	0.351	0.9	1.0				
652	SRN6045-101M	F	100	±20	0.494	0.7	0.8				

SRN8040 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance @ 100 MHz L (μH)	Tol. %	DCR (Ω) Max.	I _{rms} (A)	Isat (A)	Price Each			
Mfr.	Mfr. Part No.							1	100	500	1000
652	SRN8040-R50Y	G	0.5	±30	0.007	10	12				
652	SRN8040-1R0Y	G	1.0	±30	0.01	7.8	11				
652	SRN8040-1R5Y	G	1.5	±30	0.011	7	8.2				
652	SRN8040-2R2Y	G	2.2	±30	0.013	6.3	7.4				
652	SRN8040-3R3Y	G	3.3	±30	0.021	5.6	5.5				
652	SRN8040-3R6Y	G	3.6	±30	0.022	4.9	5.3				
652	SRN8040-4R7Y	G	4.7	±30	0.024	4.1	4.7				
652	SRN8040-6R8Y	G	6.8	±30	0.033	3.9	4.2				
652	SRN8040-8R2Y	G	8.2	±30	0.045	3.7	4				
652	SRN8040-100M	G	10	±20	0.05	3.1	3.4				
652	SRN8040-150M	G	15	±20	0.07	2.4	2.7				
652	SRN8040-220M	G	22	±20	0.1	2.2	2.2				
652	SRN8040-330M	G	33	±20	0.145	1.7	1.9				
652	SRN8040-470M	G	47	±20	0.19	1.4	1.5				
652	SRN8040-680M	G	68	±20	0.275	1.1	1.2				
652	SRN8040-101M	G	100	±20	0.4	1	1				

ROHS Compliant This product is RoHS compliant.

CHIP BEAD AND INDUCTOR KITS

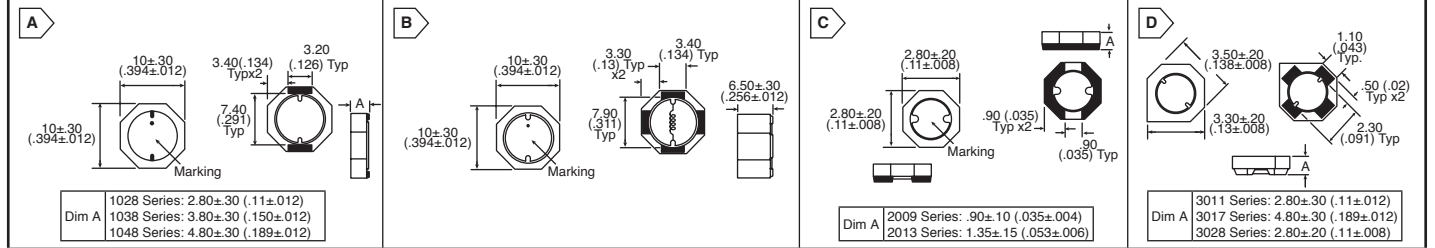
Bourns Kits include surface-mount chip inductors, power chokes, chip beads, chip bead arrays, as well as radial-leaded and axial-leaded inductors. These components are used in computer, instrumentation, industrial, and medical applications.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Description	Qty.	Number of Parts	Price Each	
					1	5
652-C1100505-LAB1	C1100505-LAB1	Multi Layer Chip Inductors	40	18		
652-C1160808-LAB1	C1160808-LAB1	Multi Layer Chip Inductors	20	18		
652-CE201210-LAB1	CE201210-LAB1	Multi Layer Chip Inductors	40	18		
652-CS160808-LAB1	CS160808-LAB1	Ferrite Multi Layer Chip Inductors	30	18		
652-CV201210-LAB1	CV201210-LAB1	Ferrite Multi Layer Chip Inductors	30	18		
652-CS321613-LAB1	CS321613-LAB1	Ferrite Multi Layer Chip Inductors	30	18		
652-CM100505-LAB1	CM100505-LAB1	CM45, CM32, CM25, CM20, CM16, CM10 SMT Chip Inductors	40	19		
652-CM201212-LAB1	CM201212-LAB1	CM45, CM32, CM25, CM20, CM16, CM10 SMT Chip Inductors	30	13		
652-CM322522-LAB1	CM322522-LAB1	CM45, CM32, CM25, CM20, CM16, CM10 SMT Chip Inductors	10	21		
652-CM252016-LAB1	CM252016-LAB1	CM45, CM32, CM25, CM20, CM16, CM10 SMT Chip Inductors	20	25		
652-SRU10-LAB1	SRU10-LAB1	Shielded SMD Power Inductors	3	18		
652-SRU30-LAB1	SRU30-LAB1	Shielded SMD Power Inductors	3	18		
652-SRU50-LAB1	SRU50-LAB1	Shielded SMD Power Inductors	3	18		
652-SRU60-LAB1	SRU60-LAB1	Shielded SMD Power Inductors	3	18		
652-SRP12-LAB1	SRP12-LAB1	Shielded SMD Power Inductors	2	18		
652-SRR12-LAB1	SRR12-LAB1	Shielded SMD Power Inductors	2	18		
652-SRU20-LAB1	SRU20-LAB1	Shielded SMD Power Inductors	3	18		
652-SRP-LAB1	SRP-LAB1	Shielded Power Inductors	3	32		
652-SRP-LAB2	SRP-LAB2	Shielded Power Inductors	3	32		
652-MHBEAD-LAB1	MHBEAD-LAB1	MH Series High Current Chip Ferrite Beads	5	18		
652-MUBEAD-LAB1	MUBEAD-LAB1	MG, MU, MZ Series High Impedance Chip Ferrite Beads	5	18		

DIMENSIONS: mm (in.)



SERIES: SRU1028, SRU1038, SRU1048, SRU1063, SRU2009, SRU2013, SRU3011, SRU3017, SRU3028

Applications:

- Input/output of DC/DC converters
- Power supplies for portable communication equipment, camcorders, LDS TVs, and car radios

Specifications:

- Test voltage: 1V
- Reflow soldering: 230°C, 50 sec. max.
- Operating temperature: -40°C to +125°C

- Storage temperature: -40°C to +125°C
- Resistance to soldering heat: 260°C for 10 sec.

For quantities greater than listed, call for quote.

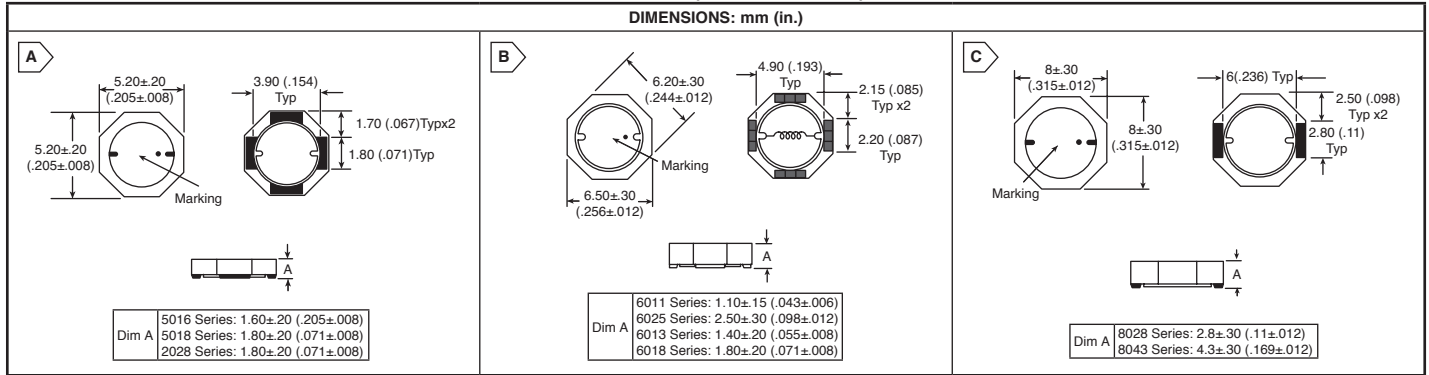
MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Fig.	Inductance 100KHz uH	Test Freq. (MHz)	RDC (mΩ)	I rms Max. (A)	Price Each		Reel Qty.	Price Per Piece
								1	100		
SRU1028 Series											
652-SRU1028-1R0Y	A		1.0	7.96	4.9	7.00				1000	
652-SRU1028-1R5Y	A		1.5	7.96	7.3	6.50				1000	
652-SRU1028-2R2Y	A		2.2	7.96	11	5.30				1000	
652-SRU1028-3R3Y	A		3.3	7.96	15	4.60				1000	
652-SRU1028-4R7Y	A		4.7	7.96	16	4.50				1000	
652-SRU1028-6R8Y	A		6.8	7.96	25	3.50				1000	
652-SRU1028-8R2Y	A		8.2	7.96	28	3.30				1000	
652-SRU1028-100Y	A		10.0	7.96	40	2.80				1000	
652-SRU1028-150Y	A		15.0	2.52	69	2.00				1000	
652-SRU1028-220Y	A		22.0	2.52	104	1.60				1000	
652-SRU1028-330Y	A		33.0	2.52	139	1.25				1000	
652-SRU1028-470Y	A		47.0	2.52	167	1.30				1000	
652-SRU1028-560Y	A		56.0	2.52	208	1.10				1000	
652-SRU1028-680Y	A		68.0	2.52	232	1.00				1000	
652-SRU1028-820Y	A		82.0	2.52	323	0.90				1000	
652-SRU1028-101Y	A		100.0	0.796	365	0.85				1000	
652-SRU1028-121Y	A		120.0	0.796	428	0.65				1000	
652-SRU1028-151Y	A		150.0	0.796	518	0.70				1000	
SRU1038 Series											
652-SRU1038-1R5Y	A		1.5	7.96	5.2	7.20				800	
652-SRU1038-2R5Y	A		2.5	7.96	12.5	6.10				800	
652-SRU1038-3R2Y	A		3.2	7.96	22	4.60				800	
652-SRU1038-6R2Y	A		6.2	7.96	16.5	4.00				800	
652-SRU1038-100Y	A		10.0	7.96	25	3.80				800	
652-SRU1038-150Y	A		15.0	2.52	37	2.80				800	
652-SRU1038-220Y	A		22.0	2.52	55.8	2.20				800	
652-SRU1038-330Y	A		33.0	2.52	86	1.80				800	
652-SRU1038-470Y	A		47.0	2.52	121	1.65				800	
652-SRU1038-680Y	A		68.0	2.52	166	1.10				800	
652-SRU1038-101Y	A		100.0	0.796	220	1.30				800	
652-SRU1038-151Y	A		150.0	0.796	358	0.90				800	
652-SRU1038-221Y	A		220.0	0.796	565	0.65				800	
652-SRU1038-331Y	A		330.0	0.796	773	0.55				800	
SRU1048 Series											
652-SRU1048-R80Y	A		0.8	7.96	3.6	7.8				600	
652-SRU1048-1R5Y	A		1.5	7.96	4.3	7.0				600	
652-SRU1048-2R2Y	A		2.2	7.96	5.3	6.5				600	
652-SRU1048-4R7Y	A		4.7	7.96	9.5	5.5				600	
652-SRU1048-6R8Y	A		6.8	7.96	13.6	4.8				600	
652-SRU1048-8R2Y	A		8.2	7.96	15	4.6				600	
652-SRU1048-100Y	A		10.0	7.96	18.5	4.5				600	
652-SRU1048-150Y	A		15.0	2.52	29	3.2				600	
652-SRU1048-220Y	A		22.0	2.52	42	2.6				600	
652-SRU1048-330Y	A		33.0	2.52	63	2.1				600	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Fig.	Inductance 100KHz uH	Test Freq. (MHz)	RDC (mΩ)	I rms Max. (A)	Price Each		Reel Qty.	Price Per Piece
								1	100		
SRU1048 Series Cont											
652-SRU1048-470Y	A		47.0	2.52	94	1.7				600	
652-SRU1048-560Y	A		56.0	2.52	110	1.6				600	
652-SRU1048-680Y	A		68.0	2.52	127	1.4				600	
652-SRU1048-820Y	A		82.0	2.52	149	1.3				600	
652-SRU1048-101Y	A		100.0	0.796	160	1.2				600	
652-SRU1048-151Y	A		150.0	0.796	235	1.0				600	
652-SRU1048-221Y	A		220.0	0.796	350	0.8				600	
652-SRU1048-331Y	A		330.0	0.796	490	0.65				600	
SRU1063 Series											
652-SRU1063-4R7Y	B		4.7	7.96	14	5.50				500	
652-SRU1063-100Y	B		10.0	7.96	38	3.80				500	
652-SRU1063-150Y	B		15.0	2.52	42	3.20				500	
652-SRU1063-220Y	B		22.0	2.52	60	3.00				500	
652-SRU1063-330Y	B		33.0	2.52	105	2.20				500	
652-SRU1063-470Y	B		47.0	2.52	150	1.40				500	
652-SRU1063-680Y	B		68.0	2.52	210	1.20				500	
652-SRU1063-101Y	B		100.0	2.52	320	1.10				500	
SRU2009 Series											
652-SRU2009-1R0Y	C		1.0	7.96	110	1.45				1500	
652-SRU2009-2R2Y	C		2.2	7.96	210	1.1				1500	
652-SRU2009-3R3Y	C		3.3	7.96	320	0.8				1500	
652-SRU2009-100Y	C		10.0	2.52	1080	0.4				1500	
652-SRU2009-220Y	C		22.0	2.52	2600	0.22				1500	
SRU3011 Series											
652-SRU3011-4R7Y	D		4.7	7.96	178	0.63				1500	
652-SRU3011-6R8Y	D		6.8	7.96	245	0.50				1500	
652-SRU3011-100Y	D		10.0	2.52	340	0.40				1500	
SRU3017 Series											
652-SRU3017-3R3Y	D		3.3	7.96	55	0.80				800	
652-SRU3017-4R7Y	D		4.7	7.96	68	0.63				800	
652-SRU3017-6R8Y	D		6.8	7.96	85	0.53				800	
652-SRU3017-100Y	D		10.0	7.96	120	0.47				800	
652-SRU3017-150Y	D		15.0	2.52	175	0.35				800	
652-SRU3017-220Y	D		22.0	2.52	250	0.30				800	
652-SRU3017-330Y	D		33.0	2.52	430	0.25				800	
652-SRU3017-470Y	D		47.0	2.52	540	0.21				800	
SRU3028 Series											
652-SRU3028-100Y	D		10.0	7.96	160	0.72				600	
652-SRU3028-150Y	D		15.0	2.52	230	0.66				600	
652-SRU3028-220Y	D		22.0	2.52	270	0.60				600	
652-SRU3028-330Y	D		33.0	2.52	450	0.47				600	
652-SRU3028-470Y	D		47.0	2.52	815	0.32				6	

RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm (in.)



SERIES: SRU5016, SRU5018, SRU5028, SRU6011, SRU6013, SRU6018, SRU6025, SRU8028, SRU8043

Applications:

- Input/output of DC/DC converters
- Power supplies for portable communication equipment, camcorders, LDS TVs, and car radios

Specifications:

- Test voltage: 1V
- Reflow soldering: 230°C, 50 sec. max.
- Operating temperature: -40°C to +125°C
- Storage temperature: -40°C to +125°C
- Resistance to soldering heat: 260°C for 10 sec.

SRU5016 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance 100KHz uH	Test Freq. (MHz)	RDC (mΩ)	I rms Max. (A)	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.						1	100		
652	SRU5016-100Y	A	10.0	2.52	84	1.00			1000	
652	SRU5018-2R2Y	A	2.2	7.96	20.5	2.30			1000	

SRU6018 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance 100KHz uH	Test Freq. (MHz)	RDC (mΩ)	I rms Max. (A)	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.						1	100		
652	SRU6018-4R7Y	B	4.7	7.96	42	2.20			800	
652	SRU6018-150Y	B	15.0	2.52	130	1.50			800	

SRU5018 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance 100KHz uH	Test Freq. (MHz)	RDC (mΩ)	I rms Max. (A)	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.						1	100		
652	SRU5018-1R5Y	A	1.5	7.96	15.5	2.50			1000	
652	SRU5018-2R2Y	A	2.2	7.96	20.5	2.30			1000	
652	SRU5018-3R5Y	A	3.5	7.96	32.0	2.10			1000	
652	SRU5018-4R7Y	A	4.7	7.96	36.0	2.00			1000	
652	SRU5018-6R8Y	A	6.8	7.96	50.0	1.45			1000	
652	SRU5018-100Y	A	10.0	2.52	65.0	1.25			1000	
652	SRU5018-150Y	A	15.0	2.52	100.0	0.95			1000	
652	SRU5018-220Y	A	22.0	2.52	160.0	0.68			1000	
652	SRU5018-330Y	A	33.0	2.52	220.0	0.66			1000	
652	SRU5018-470Y	A	47.0	2.52	330.0	0.54			1000	
652	SRU5018-680Y	A	68.0	2.52	480.0	0.37			1000	
652	SRU5018-101Y	A	100.0	0.796	620.0	0.32			1000	

SRU6025 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance 100KHz uH	Test Freq. (MHz)	RDC (mΩ)	I rms Max. (A)	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.						1	100		
652	SRU6025-1R2Y	B	1.2	7.96	19	4.00			600	
652	SRU6025-2R2Y	B	2.2	7.96	24	3.40			600	
652	SRU6025-3R3Y	B	3.3	7.96	27	3.20			600	
652	SRU6025-4R7Y	B	4.7	7.96	35	2.70			600	
652	SRU6025-6R8Y	B	6.8	7.96	42	2.40			600	
652	SRU6025-8R2Y	B	8.2	7.96	52	2.20			600	
652	SRU6025-100Y	B	10.0	2.52	57	2.00			600	
652	SRU6025-150Y	B	15.0	2.52	86	1.80			600	
652	SRU6025-220Y	B	22.0	2.52	130	1.60			600	
652	SRU6025-330Y	B	33.0	2.52	180	1.20			600	
652	SRU6025-470Y	B	47.0	2.52	250	1.00			600	
652	SRU6025-680Y	B	68.0	2.52	365	0.80			600	
652	SRU6025-101Y	B	100.0	2.52	500	0.70			600	
652	SRU6025-151Y	B	150.0	2.52	770	0.54			600	
652	SRU6025-221Y	B	220.0	2.52	1250	0.42			600	

SRU5028 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance 100KHz uH	Test Freq. (MHz)	RDC (mΩ)	I rms Max. (A)	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.						1	100		
652	SRU5028-1R2Y	A	1.2	7.96	16.8	3.50			600	
652	SRU5028-3R3Y	A	3.3	7.96	24.0	2.80			600	
652	SRU5028-4R7Y	A	4.7	7.96	32.0	2.20			600	
652	SRU5028-6R8Y	A	6.8	7.96	42.0	2.00			600	
652	SRU5028-100Y	A	10.0	2.52	63.0	1.80			600	
652	SRU5028-150Y	A	15.0	2.52	108.0	1.10			600	
652	SRU5028-330Y	A	33.0	2.52	203.0	0.80			600	
652	SRU5028-470Y	A	47.0	2.52	285.0	0.70			600	
652	SRU5028-680Y	A	68.0	2.52	450.0	0.56			600	
652	SRU5028-101Y	A	100.0	0.796	625.0	0.47			600	

SRU8028 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance 100KHz uH	Test Freq. (MHz)	RDC (mΩ)	I rms Max. (A)	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.						1	100		
652	SRU8028-2R5Y	C	2.5	7.96	13.6	4.50			1500	
652	SRU8028-3R3Y	C	3.3	7.96	17.5	3.60			1500	
652	SRU8028-4R7Y	C	4.7	7.96	20.0	3.70			1500	
652	SRU8028-6R8Y	C	6.8	7.96	34.0	2.80			1500	
652	SRU8028-100Y	C	10.0	2.52	45.0	2.60			1500	
652	SRU8028-150Y	C	15.0	2.52	66.0	2.00			1500	
652	SRU8028-220Y	C	22.0	2.52	106	1.60			1500	
652	SRU8028-330Y	C	33.0	2.52	147	1.30			1500	
652	SRU8028-470Y	C	47.0	2.52	177	1.20			1500	
652	SRU8028-680Y	C	68.0	2.52	317	0.85			1500	
652	SRU8028-101Y	C	100.0	0.796	390	0.75			1500	

SRU6011 Series

MOUSER STOCK NO.		Fig.	Inductance 100KHz uH	Test Freq. (MHz)	RDC (mΩ)	I rms Max. (A)	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.						1	100		
652	SRU6011-1R4Y	B	1.4	7.96	40	2.60			1000	
652	SRU6011-4R7Y	B	4.7	7.96	86	1.80			1000	
652	SRU6011-100Y	B	10.0	2.52	220	1.10			1000	
652	SRU6011-220Y	B	22.0	2.52	390	0.80			1000	
652	SRU6011-470Y	B	47.0	2.52	850	0.55			1000	
652	SRU6011-680Y	B	68.0	2.52	1200	0.46			1000	

SRU8043 Series

For quantities greater than listed, call for quote.

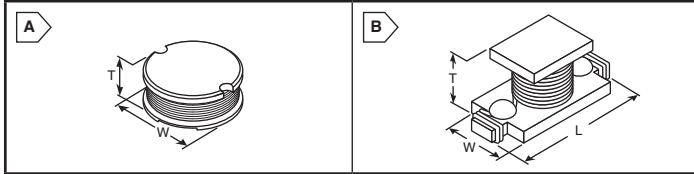
MOUSER STOCK NO.		Fig.	Inductance 100KHz uH	Test Freq. (MHz)	RDC (mΩ)	I rms Max. (A)	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.						1	100		
652	SRU8043-2R2Y	C	2.2	7.96	11.2	5.40			1000	
652	SRU8043-3R9Y	C	3.9	7.96	14.6	4.80			1000	
652	SRU8043-4R7Y	C	4.7	7.96	17.0	4.60			1000	
652	SRU8043-6R8Y	C	6.8	7.96	22.4	3.80			1000	
652	SRU8043-100Y	C	10.0	2.52	30.0	3.50			1000	
652	SRU8043-150Y	C	15.0	2.52	46.0	2.70			1000	
652	SRU8043-220Y	C	22.0	2.52	72.5	2.20			1000	
652	SRU8043-330Y	C	33.0	2.52	100.0	1.70			1000	
652	SRU8043-470Y	C	47.0	2.52	120.0	1.50			1000	
652	SRU8043-680Y	C	68.0	2.52	192.0	1.20			1000	
652	SRU8043-101Y	C	100.0	0.796	287.0	1.00			1000	

SRU6013 Series

MOUSER STOCK NO.		Fig.	Inductance 100KHz uH	Test Freq. (MHz)	RDC (mΩ)	I rms Max. (A)	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.						1	100		
652	SRU6013-330Y	B	33	2.52	500	0.78			1000	

RoHS compliant This product is RoHS compliant.

For quantities greater than listed, call for quote.



Series	DIMENSIONS: mm (in.)			Price Each		Reel Qty.	Price Per Piece
	Length (L)	Width (W)	Thickness (T)	1	100		
SDR0302	2.8 (.110)	3.0 (.118)	2.5 (.098)			2000	
SDR0403	4.0 (.157)	4.5 (.177)	3.2 (.126)			2000	
SDR0503	4.8 (.189)	5.0 (.197)	3.0 (.118)			500	
SDR0603	5.8 (.228)	3.0 (.118)	2.5 (.098)			400	
SDR0604	5.8 (.228)	5.8 (.228)	4.8 (.189)			400	
SDR0703	6.5 (.256)	4.5 (.177)	2.7 (.106)			500	

SDR SERIES LEAD FREE NON-SHIELDED POWER INDUCTORS

Applications:

- Input/output of DC/DC Converters
- Portable Communication Equipment
- Camcorders
- LCD TVs
- Car Radios

SDR0302 Series

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR0302-1R0ML	A	1	20	7.96	125
652	SDR0302-1R5ML	A	1.5	23	7.96	95
652	SDR0302-1R8ML	A	1.8	23	7.96	85
652	SDR0302-2R2ML	A	2.2	22	7.96	75
652	SDR0302-2R7ML	A	2.7	22	7.96	72
652	SDR0302-3R3ML	A	3.3	23	7.96	68
652	SDR0302-3R9ML	A	3.9	24	7.96	50
652	SDR0302-4R7ML	A	4.7	18	7.96	45
652	SDR0302-5R6ML	A	5.6	18	7.96	42
652	SDR0302-6R8ML	A	6.8	18	7.96	40
652	SDR0302-8R2ML	A	8.2	16	7.96	35
652	SDR0302-120ML	A	12	15	2.52	33
652	SDR0302-150ML	A	15	20	2.52	32
652	SDR0302-180ML	A	18	18	2.52	28
652	SDR0302-220ML	A	22	23	2.52	22
652	SDR0302-270ML	A	27	23	2.52	20
652	SDR0302-330KL	A	33	20	2.52	18
652	SDR0302-390KL	A	39	24	2.52	18
652	SDR0302-470KL	A	47	23	2.52	17
652	SDR0302-560KL	A	56	18	2.52	16
652	SDR0302-680KL	A	68	24	2.52	14
652	SDR0302-820KL	A	82	24	2.52	12
652	SDR0302-101KL	A	100	40	0.796	10
652	SDR0302-121KL	A	120	40	0.796	10
652	SDR0302-151KL	A	150	38	0.796	9
652	SDR0302-181KL	A	180	45	0.796	8.5
652	SDR0302-221KL	A	220	40	0.796	8
652	SDR0302-271KL	A	270	45	0.796	7
652	SDR0302-331KL	A	330	40	0.796	6
652	SDR0302-391KL	A	390	40	0.796	5.5
652	SDR0302-471KL	A	470	42	0.796	5
652	SDR0302-561KL	A	560	43	0.796	4.8
652	SDR0302-821KL	A	820	45	0.796	4
652	SDR0302-102KL	A	1000	40	.252	3.2
652	SDR0302-122KL	A	1200	40	0.252	3

SDR0403 Series

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR0403-1R0ML	A	1	28	7.96	150
652	SDR0403-1R4ML	A	1.4	28	7.96	110
652	SDR0403-1R8ML	A	1.8	28	7.96	90
652	SDR0403-2R2ML	A	2.2	28	7.96	80
652	SDR0403-2R7ML	A	2.7	28	7.96	75
652	SDR0403-3R3ML	A	3.3	28	7.96	65
652	SDR0403-3R9ML	A	3.9	28	7.96	55
652	SDR0403-4R7ML	A	4.7	28	7.96	50
652	SDR0403-5R6ML	A	5.6	28	7.96	45
652	SDR0403-6R8ML	A	6.8	28	7.96	40
652	SDR0403-8R2ML	A	8.2	28	7.96	36
652	SDR0403-100ML	A	10	28	2.52	33
652	SDR0403-120ML	A	12	28	2.52	30
652	SDR0403-150ML	A	15	28	2.52	28
652	SDR0403-180ML	A	18	25	2.52	23
652	SDR0403-220ML	A	22	25	2.52	20
652	SDR0403-270KL	A	27	23	2.52	17
652	SDR0403-330KL	A	33	23	2.52	15
652	SDR0403-390KL	A	39	20	2.52	14
652	SDR0403-470KL	A	47	20	2.52	13
652	SDR0403-560KL	A	56	20	2.52	12
652	SDR0403-680KL	A	68	20	2.52	11
652	SDR0403-101KL	A	100	35	0.796	9
652	SDR0403-121KL	A	120	50	0.796	4
652	SDR0403-151KL	A	150	45	0.796	3
652	SDR0403-181KL	A	180	40	0.796	4
652	SDR0403-221KL	A	220	50	0.796	3
652	SDR0403-271KL	A	270	45	0.796	3
652	SDR0403-331KL	A	330	40	0.796	4
652	SDR0403-471KL	A	470	50	0.796	3
652	SDR0403-561KL	A	560	50	0.796	2.8
652	SDR0403-681KL	A	680	40	0.796	2.8
652	SDR0403-102KL	A	1000	38	0.796	2

SDR0503 Series

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR0503-100ML	A	10	10	2.52	30
652	SDR0503-120ML	A	12	20	2.52	29
652	SDR0503-150ML	A	15	20	2.52	27
652	SDR0503-180ML	A	18	20	2.52	24
652	SDR0503-220ML	A	22	20	2.52	22
652	SDR0503-270ML	A	27	20	2.52	20
652	SDR0503-330KL	A	33	15	2.52	18
652	SDR0503-390KL	A	39	15	2.52	17
652	SDR0503-470KL	A	47	20	2.52	14
652	SDR0503-680KL	A	68	20	2.52	12
652	SDR0503-820KL	A	82	15	2.52	10
652	SDR0503-121KL	A	120	40	0.796	8
652	SDR0503-151KL	A	150	40	0.796	7
652	SDR0503-181KL	A	180	40	0.796	7
652	SDR0503-271KL	A	270	35	0.796	6
652	SDR0503-331KL	A	330	30	0.796	5
652	SDR0503-471KL	A	470	30	0.796	5
652	SDR0503-561KL	A	560	30	0.796	4
652	SDR0503-102KL	A	1000	40	0.252	3
652	SDR0503-152JL	A	1500	40	0.252	2
652	SDR0503-182JL	A	1800	40	0.252	2
652	SDR0503-222JL	A	2200	40	0.252	2
652	SDR0503-272JL	A	2700	40	0.252	2
652	SDR0503-332JL	A	3300	40	0.252	2
652	SDR0503-472JL	A	4700	40	0.252	1
652	SDR0503-562JL	A	5600	40	0.252	1
652	SDR0503-682JL	A	6800	40	0.252	1
652	SDR0503-822JL	A	8200	40	0.252	1
652	SDR0503-103JL	A	10000	30	0.0796	1

SDR0603 Series

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR0603-271KL	A	270	26	0.796	5
652	SDR0603-391KL	A	390	28	0.796	4

SDR0604 Series

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR0604-100ML	A	10	30	2.52	23
652	SDR0604-120ML	A	12	30	2.52	22
652	SDR0604-150YL	A	15	30	2.52	20
652	SDR0604-180YL	A	18	30	2.52	18
652	SDR0604-220YL	A	22	30	2.52	16
652	SDR0604-270YL	A	27	28	2.52	14
652	SDR0604-330KL	A	33	24	2.52	13
652	SDR0604-390KL	A	39	24	2.52	13
652	SDR0604-470KL	A	47	22	2.52	12
652	SDR0604-560KL	A	56	22	2.52	11
652	SDR0604-680KL	A	68	22	2.52	10
652	SDR0604-820KL	A	82	20	2.52	9
652	SDR0604-101KL	A	100	20	0.796	9
652	SDR0604-121KL	A	120	22	0.796	7
652	SDR0604-151KL	A	150	20	0.796	6
652	SDR0604-181KL	A	180	20	0.796	6
652	SDR0604-221KL	A	220	20	0.796	6
652	SDR0604-331KL	A	330	25	0.796	3
652	SDR0604-681KL	A	680	26	0.252	2

SDR0703 Series

MOUSER STOCK NO.		Fig.	Value (uF)	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR0703-1R0ML	B	1	25	7.96	160
652	SDR0703-1R8ML	B	1.8	25	7.96	105
652	SDR0703-2R2ML	B	2.2	24	7.96	95
652	SDR0703-2R7ML	B	2.7	23	7.96	80
652	SDR0703-3R3ML	B	3.3	23	7.96	65
652	SDR0703-3R9ML	B	3.9	22	7.96	70
652	SDR0703-4R7ML	B	4.7	20	7.96	60
652	SDR0703-5R6ML	B	5.6	20	7.96	56

RoHS Compliant This product is RoHS compliant.

PM 3308 SERIES SMD POWER INDUCTORS

Features:

- Formerly J.W Miller model
- Height of 3.0mm max.
- Current rating up to 2.0A
- RoHS Compliant

Applications:

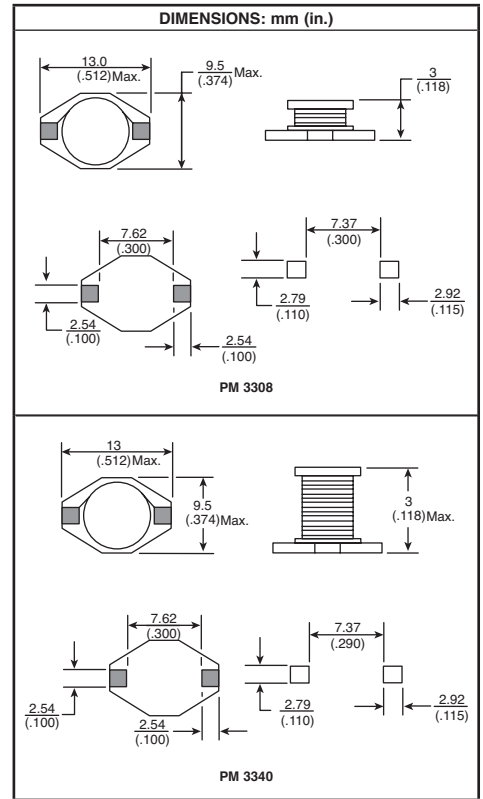
- Input/Output of DC/DC converters
- Industrial electronics
- Power supplies for:
 - Portable communications equipment, Camcorders, LCD TVs and Car radios

Specifications:

- Test Voltage: 0.1V
- Reflow Soldering: 230°C; 50 sec. max.
- Operating Temperature: -55°C to +125°C (Temp. rise included)
- Storage Temperature: -55°C to +125°C
- Resistance to Soldering Heat: 260°C, 10 sec. max.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	Inductance 100kHz		Test Freq MHz	DCR Max. Ohms	Irms (A)	Isat (A)	Price Each					Reel 1000
		μH	Tol.					1	25	50	100	500	
542-PM3308-100M-RC	PM3308-100M-RC	10	20	2.52	0.11	2.00	2.40						
542-PM3308-150M-RC	PM3308-150M-RC	15	20	2.52	0.15	1.50	2.00						
542-PM3308-220M-RC	PM3308-220M-RC	22	20	2.52	0.23	1.30	1.60						
542-PM3308-330M-RC	PM3308-330M-RC	33	20	2.52	0.30	1.10	1.40						
542-PM3308-470M-RC	PM3308-470M-RC	47	20	2.52	0.39	0.80	1.00						
542-PM3308-680M-RC	PM3308-680M-RC	68	20	2.52	0.70	0.70	0.90						
542-PM3308-101M-RC	PM3308-101M-RC	100	20	0.796	0.80	0.60	0.70						
542-PM3308-151M-RC	PM3308-151M-RC	150	20	0.796	1.20	0.50	0.60						
542-PM3308-221M-RC	PM3308-221M-RC	220	20	0.796	1.90	0.40	0.50						
542-PM3308-331M-RC	PM3308-331M-RC	330	20	0.796	2.70	0.30	0.40						



PM 3340 SERIES SMD POWER INDUCTORS

Features:

- Formerly J.W Miller model
- Height of 11.5mm max.
- Current rating up to 3.5A
- Tape and reel packaging 225 piece
- RoHS Compliant

Applications:

- Input/Output of DC/DC converters
- Industrial electronics
- Power supplies for:
 - Portable communications equipment, Camcorders, LCD TVs and Car radios

Specifications:

- Test Voltage: 0.1V
- Reflow Soldering: 230°C; 50 sec. max.
- Operating Temperature: -55°C to +125°C (Temperature rise included)
- Storage Temperature: -55°C to +125°C
- Resistance to Soldering Heat: 260°C, 10 sec. max.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	Inductance 100kHz		Test Freq MHz	DCR Max. Ohms	Irms (A)	Isat (A)	Price Each			
		μH	Tol.					1	150	225	450
542-PM3340-100M-RC	PM3340-100M-RC	10	20	2.52	0.033	3.50	8.00				
542-PM3340-150M-RC	PM3340-150M-RC	15	20	2.52	0.042	3.00	7.00				
542-PM3340-220M-RC	PM3340-220M-RC	22	20	2.52	0.054	2.50	5.50				
542-PM3340-330M-RC	PM3340-330M-RC	33	20	2.52	0.08	2.00	4.00				
542-PM3340-151M-RC	PM3340-151M-RC	150	20	0.796	0.34	1.60	3.80				
542-PM3340-221M-RC	PM3340-221M-RC	220	20	0.796	0.44	0.70	1.60				
542-PM3340-471M-RC	PM3340-471M-RC	470	20	0.796	0.95	0.30	1.00				
542-PM3340-681M-RC	PM3340-681M-RC	680	20	0.796	1.20	0.20	1.00				
542-PM3340-102M-RC	PM3340-102M-RC	1000	20	0.252	2.00	0.10	0.80				

PM 3600 SERIES SMD INDUCTOR/TRANSFORMER

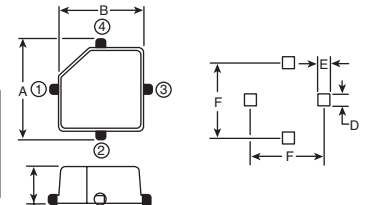
Features:

- Formerly J.W Miller model
- Current rating up to 3.3A
- Dielectric strength of 500Vrms
- Tape and reel packaging
- 400 piece reels
- RoHS Compliant

Specifications:

- Temperature Rise: 35°C max. at Irms
- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +125°C
- Soldering: 245°C, 5 sec. max.
- Dielectric Strength: 500Vrms between windings

DIMENSIONS: mm (in.)							
Model	A	B	C	Model	D	E	F
PM3602	11.48 (.452)	8.99 (.354)	5.72 (.225)	PM3602	2.54 (.10)	2.54 (.10)	9.78 (.285)
PM3604	13.97 (.550)	11.48 (.452)	6.73 (.265)	PM3604	4.06 (.16)	2.54 (.10)	12.70 (.50)



Applications:

- Parallel, series, dual differential mode inductor and 1:1 ratio transformer

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	Parallel				Series				Price Each			
		Inductance 100kHz μH 20%	Irms (A)	Inductance (μH) 20% @Irms	DCR (Ω) Max.	Inductance 100kHz μH 20%	Irms (A)	Inductance (μH) 20% @Irms	DCR (Ω) Max.	1	50	100	400
542-PM3602-5-RC	PM3602-5-RC	5	2.41	3.8	0.023	20	1.20	15.2	0.092				
542-PM3602-10-RC	PM3602-10-RC	10	1.83	7.4	0.04	40	0.92	29.6	0.16				
542-PM3602-15-RC	PM3602-15-RC	15	1.45	11.1	0.063	60	0.73	44.4	0.25				
542-PM3602-20-RC	PM3602-20-RC	20	1.25	15.2	0.086	80	0.63	60.8	0.34				
542-PM3602-25-RC	PM3602-25-RC	25	1.17	18.5	0.098	100	0.59	74	0.39				
542-PM3602-33-RC	PM3602-33-RC	33	0.98	24.8	0.14	132	0.49	99.2	0.56				
542-PM3602-68-RC	PM3602-68-RC	68	0.72	49.6	0.26	272	0.36	198.4	1.04				
542-PM3602-100-RC	PM3602-100-RC	100	0.58	74.0	0.40	400	0.29	296	1.6				
542-PM3602-150-RC	PM3602-150-RC	150	0.47	111.0	0.60	600	0.24	444	2.4				
542-PM3602-200-RC	PM3602-200-RC	200	0.40	150.0	0.84	800	0.20	600	3.36				
542-PM3602-250-RC	PM3602-250-RC	250	0.33	192.5	1.19	1000	0.17	770	4.76				
542-PM3602-300-RC	PM3602-300-RC	300	0.32	225.0	1.31	1200	0.16	900	5.24				
542-PM3604-5-RC	PM3604-5-RC	5	3.30	3.8	0.019	20	1.65	15.2	0.076				
542-PM3604-15-RC	PM3604-15-RC	15	2.20	11.0	0.041	60	1.10	44	0.16				
542-PM3604-20-RC	PM3604-20-RC	20	2.02	14.2	0.049	80	1.01	56.8	0.20				
542-PM3604-25-RC	PM3604-25-RC	25	1.91	17.0	0.054	100	0.96	68	0.22				
542-PM3604-33-RC	PM3604-33-RC	33	1.60	23.1	0.078	132	0.80	92.4	0.31				
542-PM3604-150-RC	PM3604-150-RC	150	0.78	103.5	0.32	600	0.39	414	1.28				
542-PM3604-200-RC	PM3604-200-RC	200	0.65	140.0	0.47	800	0.33	560	1.88				
542-PM3604-300-RC	PM3604-300-RC	300	0.52	213.0	0.73	1200	0.26	852	2.92				

PM 3700 SERIES SMD COMMON MODE CHOKE

Features:

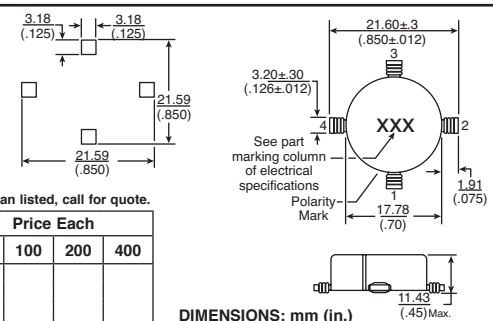
- Formerly J.W Miller model
- Current rating up to 7A
- Compact size
- Tape and reel packaging 200 piece reels
- RoHS Compliant

Specifications:

- Temperature Rise: 35°C typical at Irms
- Operating Temperature: 55°C to +125°C
- Storage Temperature: -55°C to +125°C
- Soldering: 245°C, 5 seconds max.
- Dielectric Strength: 500Vrms between windings

Materials:

- Core: Ferrite
- Wire: Polyester-coated copper
- Terminal Coating: Sn-Ag-Cu alloy
- Packaging: 200pcs. per 13-inch reel



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	Inductance mH Min. @1kHz	Part Marking	DCR Max. Ohms	Irms (A)	Leakage Inductance (μH) Typ.	Typical Frequency Range with 20dB Atten.	Price Each			
								1	100	200	400
542-PM3700-10-RC	PM3700-10-RC	0.2	201	0.008	7.0	1.6	5 - 55 MHz				
542-PM3700-40-RC	PM3700-40-RC	1.0	102	0.02	4.0	3.9	500 KHz - 40 MHz				
542-PM3700-50-RC	PM3700-50-RC	2.0	202	0.03	3.5	0.3	300 KHz - 20 MHz				
542-PM3700-60-RC	PM3700-60-RC	5.0	502	0.07	2.0	0.4	100 KHz - 10 MHz				

DIMENSIONS: mm (in.)

BOURNS SRR Series Shielded SMD Power Inductors **BOURNS®**

RoHS Compliant This product is RoHS compliant.

SRR SERIES SHIELDED SMD POWER INDUCTORS

Specifications:

- Test Voltage: 1V
- Reflow Soldering: 230°C, 50 sec. max.
- Operating/Storage Temp.: -40°C to +125°C
- Resistance to solder heat: 260°C, 5 sec.

Applications:

- Input/output of DC/DC converters
- Power supplies for: Portable communication equipment
Camcorders
LCD TVs
Car radios

For quantities greater than listed, call for quote.

Series	Dimensions: mm (in.)			Price Each		Reel Qty.	Price Per Piece
	A	B	C	1	100		
SRR0604	6.5(.256)	6.5(.256)	4.8(.189)			1000	
SRR0905	9.9(.390)	2.9(.114)	4.5(.177)			800	
SRR1005	12.7(.500)	10.0(.393)	5.2(.205)			600	
SRR1205	12.7(.500)	12.7(.500)	5.5(.217)			600	
SRR1206	12.7(.500)	12.7(.500)	6.5(.256)			600	
SRR1208	12.5(.492)	12.5(.492)	6.5(.236)			400	
SRR1210	12.0(.472)	12.0(.472)	10.0(.394)			250	
SRR1240	12.5(.492)	12.5(.492)	4.0(.157)			800	
SRR1260	12.5(.492)	12.5(.492)	6.0(.236)			600	

SRR0604 Series

MOUSER STOCK NO.		Fig.	Inductance 1kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
Mfr.	Mfr. Part No.					
652	SRR0604-2R5ML	A	2.5	21	7.96	100.0
652	SRR0604-220ML	A	22	16	2.52	25.0
652	SRR0604-221KL	A	220	20	0.796	10.0

SRR0905 Series

Mfr. Part No.	Fig.	Inductance 1kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
652—SRR0905-100M	B	10	39	2.52	29
652—SRR0905-120M	B	12	40	2.52	26
652—SRR0905-150M	B	15	35	2.52	24
652—SRR0905-180M	B	18	39	2.52	21
652—SRR0905-220M	B	22	35	2.52	18
652—SRR0905-270M	B	27	35	2.52	17
652—SRR0905-330Y	B	33	27	2.52	14
652—SRR0905-390Y	B	39	31	2.52	14
652—SRR0905-470Y	B	47	27	2.52	11
652—SRR0905-680Y	B	68	26	2.52	10
652—SRR0905-101K	B	100	29	0.796	8
652—SRR0905-121K	B	120	31	0.796	7
652—SRR0905-151K	B	150	24	0.796	6
652—SRR0905-221K	B	220	27	0.796	5
652—SRR0905-271K	B	270	30	0.796	5
652—SRR0905-331K	B	330	29	0.796	4
652—SRR0905-391K	B	390	26	0.796	3
652—SRR0905-471K	B	470	26	0.796	3

SRR1005 Series

Mfr. Part No.	Fig.	Inductance 1kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
652—SRR1005-3R3M	C	3.3	25	7.96	75.0
652—SRR1005-4R7M	C	4.7	25	7.96	50.0
652—SRR1005-6R8M	C	6.8	22	7.96	35.0
652—SRR1005-100M	C	10	48	2.52	30.0
652—SRR1005-120M	C	12	45	2.52	25.0
652—SRR1005-150M	C	15	40	2.52	20.0
652—SRR1005-180Y	C	18	35	2.52	19.0
652—SRR1005-220Y	C	22	42	2.52	18.0
652—SRR1005-270Y	C	27	40	2.52	17.0
652—SRR1005-470Y	C	47	35	2.52	12.0
652—SRR1005-680Y	C	68	35	2.52	9.0
652—SRR1005-820Y	C	82	35	2.52	8.0
652—SRR1005-101K	C	100	35	0.796	7.5
652—SRR1005-121K	C	120	30	0.796	7.2
652—SRR1005-151K	C	150	28	0.796	6.2
652—SRR1005-181K	C	180	28	0.796	5.8
652—SRR1005-221K	C	220	30	0.796	5.2
652—SRR1005-271K	C	270	30	0.796	4.8
652—SRR1005-331K	C	330	30	0.796	4.5
652—SRR1005-471K	C	470	40	0.796	3.0
652—SRR1005-681K	C	680	37	0.796	2.6
652—SRR1005-102K	C	1000	65	0.252	2.0
652—SRR1005-122K	C	1200	58	0.252	2.0
652—SRR1005-152K	C	1500	53	0.252	1.6
652—SRR1005-182K	C	1800	65	0.252	1.4
652—SRR1005-222K	C	2200	55	0.252	1.4
652—SRR1005-272K	C	2700	55	0.252	1.2
652—SRR1005-332K	C	3300	50	0.252	1.2

SRR1205 Series

652—SRR1205-180ML	D	18	20	2.52	10
652—SRR1205-390ML	D	39	18	2.52	7.5

SRR1206 Series

652—SRR1206-100ML	D	10	18	2.52	18.0
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SRR1208 Series

652—SRR1208-6R5ML	D	6.5	25	7.96	20
652—SRR1208-150ML	D	15	21	2.52	11
652—SRR1208-180ML	D	18	21	2.52	9
652—SRR1208-270ML	D	27	23	2.52	6.5
652—SRR1208-390YL	D	39	25	2.52	6
652—SRR1208-560YL	D	56	23	2.52	5
652—SRR1208-680YL	D	68	20	2.52	5
652—SRR1208-101YL	D	100	15	0.796	4
652—SRR1260-121K	E	120	26	0.796	5.5
652—SRR1260-181K	E	180	26	0.796	4.5

SRR1210 Series

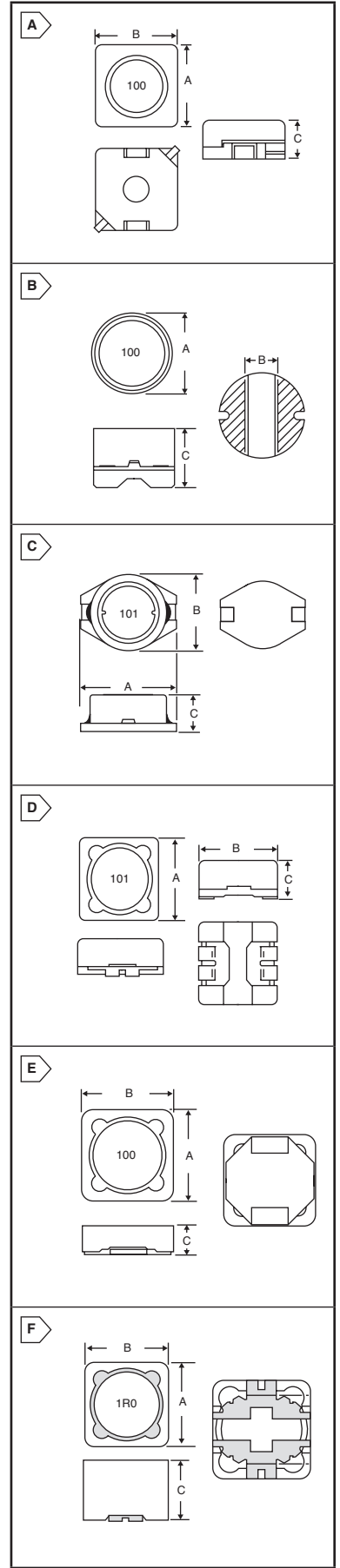
MOUSER STOCK NO.		Fig.	Inductance 1kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
Mfr.	Mfr. Part No.					
652—SRR1210-1R8Y	F	1.8	10	7.96	56	
652—SRR1210-100M	F	10	16	2.52	12.0	
652—SRR1210-120M	F	12	14	2.52	18.0	
652—SRR1210-150M	F	15	16	2.52	10.5	
652—SRR1210-180M	F	18	13	2.52	8.00	
652—SRR1210-220M	F	22	16	2.52	8.00	
652—SRR1210-270M	F	27	16	2.52	6.50	
652—SRR1210-330M	F	33	16	2.52	6.50	
652—SRR1210-390M	F	39	16	2.52	4.50	
652—SRR1210-470M	F	47	16	2.52	4.50	
652—SRR1210-560M	F	56	8	2.52	4.00	
652—SRR1210-680M	F	68	12	2.52	3.80	
652—SRR1210-820M	F	82	15	2.52	3.50	
652—SRR1210-101M	F	100	16	0.796	3.00	
652—SRR1210-121M	F	120	13	0.796	2.60	
652—SRR1210-151M	F	150	12	0.796	2.20	
652—SRR1210-181M	F	180	14	0.796	1.80	
652—SRR1210-221M	F	220	15	0.796	1.80	
652—SRR1210-271M	F	270	16	0.796	1.80	
652—SRR1210-331M	F	330	14	0.796	1.80	
652—SRR1210-391M	F	390	16	0.796	1.30	
652—SRR1210-471M	F	470	12	0.796	0.85	
652—SRR1210-561M	F	560	12	0.796	0.85	
652—SRR1210-681M	F	680	11	0.796	0.85	
652—SRR1210-821M	F	820	6	0.796	0.85	
652—SRR1210-102M	F	1000	22	0.796	0.85	

SRR1240 Series

MOUSER STOCK NO.		Fig.	Inductance 1kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
Mfr.	Mfr. Part No.					
652—SRR1240-1R0Y	E	1.0	10	7.96	85	
652—SRR1240-3R3Y	F	3.3	14	7.96	43	
652—SRR1240-5R6M	E	5.6	14	7.96	35	
652—SRR1240-6R8M	E	6.8	14	7.96	34	
652—SRR1240-8R2M	E	8.2	10	7.96	32	
652—SRR1240-100M	E	10	17	2.52	27	
652—SRR1240-150M	E	15	16	2.52	22	
652—SRR1240-220M	E	22	18	2.52	16	
652—SRR1240-330M	E	33	19	2.52	15	
652—SRR1240-470M	E	47	19	2.52	13	
652—SRR1240-680M	E	68	19	2.52	11	
652—SRR1240-101M	E	100	14	0.796	8	
652—SRR1240-151K	E	150	12	0.796	7.5	
652—SRR1240-221K	E	220	12	0.796	6.6	
652—SRR1240-331K	E	330	12	0.796	5.5	
652—SRR1240-471K	E	470	12	0.796	4.5	
652—SRR1240-681K	E	680	14	0.796	3.8	
652—SRR1240-821K	E	820	10	0.796	3.5	
652—SRR1240-102K	E	1000	16	0.252	2.8	

SRR1260 Series


MOUSER STOCK NO.		Fig.	Inductance 1kHz (µH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
Mfr.	Mfr. Part No.					
652—SRR1260-1R0Y	E	1.0	26	7.96	100.00	
652—SRR1260-1R5Y	E	1.5	24	7.96	86.00	
652—SRR1260-2R2Y	E	2.2	22	7.96	70.00	
652—SRR1260-3R3Y	E	3.3	20	7.96	40.00	
652—SRR1260-4R7Y	E	4.7	19	7.96	36.70	
652—SRR1260-6R8Y	E	6.8	20	7.96	28.20	
652—SRR1260-7R6Y	E	7.6	16	7.96	27.90	
652—SRR1260-8R2Y	E	8.2	18	7.96	24.00	
652—SRR1260-100M	E	10	32	2.52	21.00	
652—SRR1260-120M	E	12	27	2.52	19.40	
652—SRR1260-150M	E	15	25	2.52	17.60	
652—SRR1260-180M	E	18	28	2.52	15.50	
652—SRR1260-220M	E	22	29	2.52	13.40	
652—SRR1260-270M	E	27	26	2.52	12.70	
652—SRR1260-330M	E	33	27	2.52	9.97	
652—SRR1260-390M	E	39	22	2.52	10.40	
652—SRR1260-470M	E	47	22	2.52	7.63	
652—SRR1260-560M	E	56	24	2.52	7.92	
652—SRR1260-680M	E	68	22	2.52	7.43	
652—SRR1260-820M	E	82	25	2.52	6.85	
652—SRR1260-101M	E	100	26	0.796	6.07	
652—SRR1260-151K	E	150	20	0.796	5.00	
652—SRR1260-221K	E	220	22	0.796	4.20	
652—SRR1260-271K	E	270	20	0.796	3.60	
652—SRR1260-331K	E	330	22	0.796	3.20	
652—SRR1260-391K	E	390	20	0.796	2.80	
652—SRR1260-471K	E	470	18	0.796	2.60	
652—SRR1260-681K	E	680	18	0.796	2.20	
652—SRR1260-821K	E	820	20	0.796	2.00	
652—SRR1260-102K	E	1000	30	0.796	1.80	



Inductors

Bourns

BOURNS SRR Series Shielded SMD Power Inductors **BOURNS®**

 **This product is RoHS compliant.**

SRR SERIES SHIELDED SMD POWER INDUCTORS

Specifications:

- Test Voltage: 1 Volt
- Reflow Soldering: 230°C, 50 sec. max.
- Operating/Storage Temperature: -40°C to +125°C
- Resistance to solder heat: 260°C for 10 sec.

Applications:

- Input/output of DC/DC converters
- Power supplies for:
 - Portable communication equipment
 - Car radios
 - LCD TVs
 - Camcorders

For quantities greater than listed, call for quote.

Series	Dimensions: mm (in.)			Price Each		Reel Qty.	Price Per Piece
	A	B	C	1	100		
SRR1280	12.5 (.492)	12.5 (.492)	7.5 (.295)			400	
SRR1806	18.3 (.720)	14.0 (.551)	6.8 (.268)			250	
SRR4018	4.8 (.189)	4.8 (.189)	1.8 (.071)			800	
SRR4028	4.8 (.189)	4.8 (.189)	2.8 (.110)			500	
SRR5018	5.8 (.228)	5.8 (.228)	1.8 (.071)			500	
SRR5028	5.8 (.228)	5.8 (.228)	2.8 (.110)			400	

SRR1280 Series

MOUSER STOCK NO.		Fig.	Inductance 1kHz (μH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
Mfr.	Mfr. Part No.					
652—SRR1280-1R1Y	A	1.1	26	7.96	85	
652—SRR1280-1R2Y	A	1.2	28	7.96	83	
652—SRR1280-1R4Y	A	1.4	24	7.96	80	
652—SRR1280-2R4Y	A	2.4	20	7.96	45	
652—SRR1280-3R3Y	A	3.3	20	7.96	40	
652—SRR1280-4R5Y	A	4.5	20	7.96	34	
652—SRR1280-4R7Y	A	4.7	22	7.96	30	
652—SRR1280-100M	A	10	24	2.52	17	
652—SRR1280-120M	A	12	26	2.52	15	
652—SRR1280-180M	A	18	24	2.52	12	
652—SRR1280-220M	A	22	20	2.52	11	
652—SRR1280-270M	A	27	26	2.52	10	
652—SRR1280-330M	A	33	28	2.52	9.5	
652—SRR1280-390M	A	39	24	2.52	8.5	
652—SRR1280-470M	A	47	24	2.52	7.5	
652—SRR1280-680M	A	68	20	2.52	6.5	
652—SRR1280-820M	A	82	20	0.796	5.0	
652—SRR1280-121K	A	120	16	0.796	4.3	
652—SRR1280-151K	A	150	24	0.796	4.1	
652—SRR1280-181K	A	180	24	0.796	4.0	
652—SRR1280-221K	A	220	24	0.796	3.4	
652—SRR1280-271K	A	270	20	0.796	3.1	
652—SRR1280-331K	A	330	18	0.796	2.9	
652—SRR1280-391K	A	390	20	0.796	2.7	
652—SRR1280-471K	A	470	20	0.796	2.2	
652—SRR1280-681K	A	680	26	0.796	1.7	
652—SRR1280-821K	A	820	20	0.796	1.4	
652—SRR1280-102K	A	1000	40	0.252	1.3	

SRR1806 Series

MOUSER STOCK NO.		Fig.	Inductance 1kHz (μH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
Mfr.	Mfr. Part No.					
652—SRR1806-100M	B	10	56	2.52	19.0	
652—SRR1806-150M	B	15	53	2.52	17.5	
652—SRR1806-220M	B	22	51	2.52	16.0	
652—SRR1806-470M	B	47	40	2.52	8.0	
652—SRR1806-680M	B	68	37	2.52	6.0	
652—SRR1806-151M	B	150	39	0.796	4.3	
652—SRR1806-221M	B	220	29	0.796	3.5	
652—SRR1806-331M	B	330	30	0.796	3.0	
652—SRR1806-471M	B	470	27	0.796	2.4	

SRR4018 Series

• Test Voltage: 0.1V, 100KHz

MOUSER STOCK NO.		Fig.	Inductance 1kHz (μH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
Mfr.	Mfr. Part No.					
652—SRR4018-1R0Y	C	1.0	9	7.960	219	
652—SRR4018-3R3Y	C	3.3	8	7.960	61	
652—SRR4018-4R7Y	C	4.7	8	7.960	55	
652—SRR4018-6R8Y	C	6.8	8	7.960	49	
652—SRR4018-8R2Y	C	8.2	7	7.960	40	
652—SRR4018-100Y	C	10	10	2.520	38	
652—SRR4018-150Y	C	15	8	2.520	30	
652—SRR4018-220Y	C	22	7	2.520	29	
652—SRR4018-270Y	C	27	7	2.520	23	
652—SRR4018-330Y	C	33	7	2.520	21	
652—SRR4018-390Y	C	39	8	2.520	19	
652—SRR4018-470Y	C	47	8	2.520	20	
652—SRR4018-680Y	C	68	7	2.520	13	
652—SRR4018-101Y	C	100	10	0.796	12	
652—SRR4018-151Y	C	150	14	0.796	10	
652—SRR4018-181Y	C	180	10	0.796	10	

SRR4028 Series

• Test Voltage: 0.1 Volt, 100 KHz

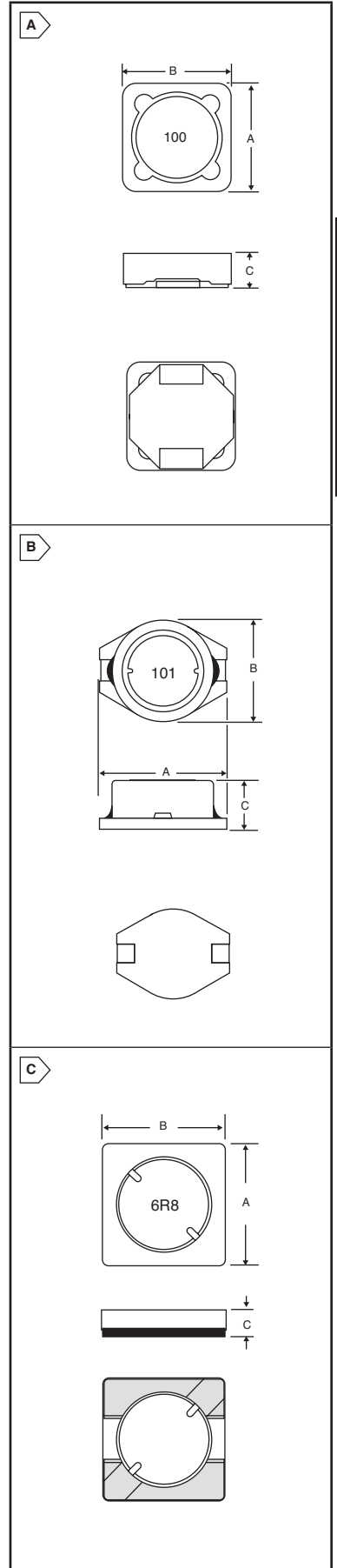
MOUSER STOCK NO.		Fig.	Inductance 1kHz (μH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
Mfr.	Mfr. Part No.					
652—SRR4028-1R2Y	C	1.2	9.34	7.96	176	
652—SRR4028-2R7Y	C	2.7	8.64	7.96	92	
652—SRR4028-3R3Y	C	3.3	7.72	7.96	76	
652—SRR4028-3R9Y	C	3.9	8.58	7.96	56	
652—SRR4028-4R7Y	C	4.7	8.12	7.96	55	
652—SRR4028-5R6Y	C	5.6	9.56	7.96	69	
652—SRR4028-6R8Y	C	6.8	9.62	7.96	77	
652—SRR4028-8R2Y	C	8.2	8.24	7.96	45	
652—SRR4028-100Y	C	10	11.26	2.52	34	
652—SRR4028-150Y	C	15	9.66	2.52	27	
652—SRR4028-220Y	C	22	8.26	2.52	23	
652—SRR4028-270Y	C	27	10.76	2.52	18	
652—SRR4028-330Y	C	33	9.70	2.52	16	
652—SRR4028-390Y	C	39	9.74	2.52	14	
652—SRR4028-470Y	C	47	10.88	2.52	13	
652—SRR4028-680Y	C	68	8.42	2.52	11	
652—SRR4028-820Y	C	82	8.60	2.52	8	
652—SRR4028-101Y	C	100	8.78	0.796	9	
652—SRR4028-151Y	C	150	11.72	0.796	6	
652—SRR4028-221Y	C	220	11.30	0.796	5	
652—SRR4028-271Y	C	270	17.46	0.796	5	
652—SRR4028-331Y	C	330	16.48	0.796	5	
652—SRR4028-391Y	C	390	13.18	0.796	4	
652—SRR4028-471Y	C	470	13.26	0.796	3	

SRR5018 Series

MOUSER STOCK NO.		Fig.	Inductance 1kHz (μH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
Mfr.	Mfr. Part No.					
652—SRR5018-1R2Y	C	1.2	9.2	7.96	118	
652—SRR5018-3R0Y	C	3.0	8.3	7.96	79	
652—SRR5018-3R9Y	C	3.9	8	7.96	64	
652—SRR5018-6R2Y	C	6.2	7.5	7.96	51	
652—SRR5018-7R5Y	C	7.5	7.9	7.96	42	
652—SRR5018-8R9Y	C	8.9	7.3	7.96	40	
652—SRR5018-100Y	C	10	11	2.52	41	
652—SRR5018-150Y	C	15	12.7	2.52	32	
652—SRR5018-180Y	C	18	8.8	2.52	29	
652—SRR5018-220Y	C	22	14.7	2.52	22	
652—SRR5018-270Y	C	27	10.2	2.52	21	
652—SRR5018-330Y	C	33	10.9	2.52	20	
652—SRR5018-390Y	C	39	10.6	2.52	17	
652—SRR5018-470Y	C	47	8.9	2.52	14	
652—SRR5018-560Y	C	56	8.9	2.52	13	
652—SRR5018-680Y	C	68	9.9	2.52	12	
652—SRR5018-820Y	C	82	9.1	2.52	11	
652—SRR5018-101Y	C	100	13.1	0.796	10	
652—SRR5018-151Y	C	150	11.8	0.796	11	
652—SRR5018-181Y	C	180	13.6	0.796	10	
652—SRR5018-221Y	C	220	8.7	0.796	8	


SRR5028 Series

MOUSER STOCK NO.		Fig.	Inductance 1kHz (μH)	Q Ref.	Test Freq. MHz	SRF MHz (Min.)
Mfr.	Mfr. Part No.					
652—SRR5028-3R0Y	C	3.0	7	7.96	65	
652—SRR5028-4R2Y	C	4.2	7	7.96	51	
652—SRR5028-6R2Y	C	6.2	7	7.96	39	
652—SRR5028-8R2Y	C	8.2	7	7.96	34	
652—SRR5028-100Y	C	10	9	2.52	30	
652—SRR5028-150Y	C	15	9	2.52	22	
652—SRR5028-180Y	C	18	10	2.52	20	
652—SRR5028-220Y	C	22	7	2.52	20	
652—SRR5028-270Y	C	27	10	2.52	17	
652—SRR5028-330Y	C	33	11	2.52	13	
652—SRR5028-390Y	C	39	8	2.52	13	
652—SRR5028-470Y	C	47	7	2.52	13	
652—SRR5028-560Y	C	56	9	2.52	12	
652—SRR5028-680Y	C	68	8	2.52	11	
652—SRR5028-820Y	C	82	8	2.52	9.0	
652—SRR5028-101Y	C	100	8	0.796	8.0	
652—SRR5028-151Y	C	150	7	0.796	7.5	
652—SRR5028-221Y	C	220	7	0.796	6.5	
652—SRR5028-331Y	C	330	8	0.796	5.0	
652—SRR5028-471Y	C	470	12	0.796	5.0	
652—SRR5028-561Y	C	560	12	0.796	4.0	
652—SRR5028-681Y	C	680	11	0.796	3.0	



Inductors Bourns

BOURNS SRR Series Shielded SMD Power Inductors **BOURNS®**

 This product is RoHS compliant.

SRR SERIES SHIELDED SMD POWER INDUCTORS

Applications:

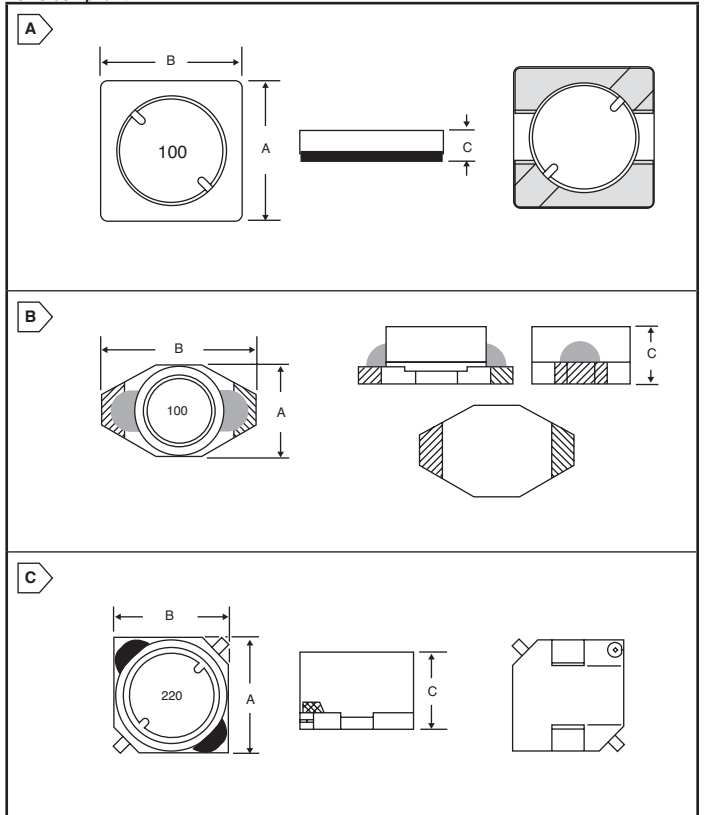
- Input/output of DC/DC converters
- Power supplies for:
 - Portable communication equipment
 - Camcorders
 - LCD TVs
 - Car radios

Specifications:

- Test voltage: 0.1V, 100 KHz
- Reflow soldering: 230°C, 50 sec. max.
- Operating/storage temperature: -40°C to +125°C
- Resistance to soldering heat: 260°C, 10 sec.

For quantities greater than listed, call for quote.

Series	Dimensions: mm (in.)			Price Each		Reel Qty.	Price Per Piece
	A	B	C	1	100		
	SRR6028	6.8 (.268)	6.8 (.268)	2.8 (.110)			
SRR6038	6.8 (.268)	6.8 (.268)	3.8 (.150)		1000		
SRR6603	6.6 (.260)	4.4 (.173)	3.0 (.118)		600		
SRR7032	7.0 (.276)	7.0 (.276)	3.2 (.126)		1500		
SRR7045	7.0 (.276)	7.0 (.276)	4.5 (.177)		1000		



SRR6028 Series

MOUSER STOCK NO.		Fig.	Inductance 100kHz (μH)	Q Ref.	Test Freq. MHz	SRF MHz(Typ.)
Mfr.	Mfr. Part No.					
652—SRR6028-2R5Y	A	2.5	8.5	7.96	70	
652—SRR6028-3R3Y	A	3.3	10.0	7.96	43	
652—SRR6028-3R9Y	A	3.9	9.0	7.96	47	
652—SRR6028-5R0Y	A	5.0	7.5	7.96	50	
652—SRR6028-6R0Y	A	6.0	9.0	7.96	48	
652—SRR6028-7R3Y	A	7.3	6.0	7.96	38	
652—SRR6028-100Y	A	10	11.0	2.52	29	
652—SRR6028-120Y	A	12	10.0	2.52	24	
652—SRR6028-150Y	A	15	9.5	2.52	23	
652—SRR6028-180Y	A	18	9.0	2.52	21	
652—SRR6028-220Y	A	22	8.5	2.52	19	
652—SRR6028-270Y	A	27	9.0	2.52	19	
652—SRR6028-330Y	A	33	10.0	2.52	14	
652—SRR6028-390Y	A	39	10.0	2.52	17	
652—SRR6028-470Y	A	47	10.0	2.52	11	
652—SRR6028-560Y	A	56	10.0	0.796	15	
652—SRR6028-680Y	A	68	11.0	0.796	10.5	
652—SRR6028-820Y	A	82	9.0	0.796	14	
652—SRR6028-101Y	A	100	8.5	0.796	7	
652—SRR6028-151Y	A	150	12.0	0.796	6.8	
652—SRR6028-221Y	A	220	15.0	0.796	5.8	
652—SRR6028-331Y	A	330	11.0	0.796	3.8	
652—SRR6028-471Y	A	470	11.0	0.796	3.3	
652—SRR6028-681Y	A	680	13.0	0.796	2.9	
652—SRR6028-102Y	A	1000	32.0	0.252	2.6	

SRR6038 Series

MOUSER STOCK NO.		Fig.	Inductance 100kHz (μH)	Q Ref.	Test Freq. MHz	SRF MHz(Typ.)
Mfr.	Mfr. Part No.					
652—SRR6038-3R3Y	A	3.3	9.8	7.96	75.9	
652—SRR6038-5R0Y	A	5.0	8.9	7.96	42.6	
652—SRR6038-6R2Y	A	6.2	9.0	7.96	42.3	
652—SRR6038-7R4Y	A	7.4	7.5	7.96	32.9	
652—SRR6038-8R2Y	A	8.2	7.4	7.96	29.6	
652—SRR6038-8R7Y	A	8.7	7.3	7.96	27.5	
652—SRR6038-100Y	A	10	8.8	2.52	24.9	
652—SRR6038-120Y	A	12	8.3	2.52	17.9	
652—SRR6038-150Y	A	15	8.6	2.52	18.0	
652—SRR6038-180Y	A	18	8.0	2.52	13.8	
652—SRR6038-220Y	A	22	8.8	2.52	13.9	
652—SRR6038-270Y	A	27	7.7	2.52	12.5	
652—SRR6038-330Y	A	33	8.6	2.52	12.5	
652—SRR6038-390Y	A	39	8.3	2.52	11.8	
652—SRR6038-470Y	A	47	8.5	2.52	10.4	
652—SRR6038-560Y	A	56	8.2	2.52	8.8	
652—SRR6038-680Y	A	68	7.4	2.52	7.5	
652—SRR6038-820Y	A	82	7.6	2.52	7.6	
652—SRR6038-101Y	A	100	6.7	0.796	6.2	

SRR6603 Series

MOUSER STOCK NO.		Fig.	Inductance 100kHz (μH)	Q Ref.	Test Freq. MHz	SRF MHz(Typ.)
Mfr.	Mfr. Part No.					
652—SRR6603-221ML	B	220	40	100	6	
652—SRR6603-152ML	B	1500	50	100	2	
652—SRR6603-332ML	B	3300	50	100	1	
652—SRR6603-472ML	B	4700	50	100	1	
652—SRR6603-103ML	B	10000	50	100	0.8	

SRR7032 Series

- Test voltage: 0.5V

MOUSER STOCK NO.		Fig.	Inductance 100kHz (μH)	Q Ref.	Test Freq. MHz	SRF MHz(Typ.)
Mfr.	Mfr. Part No.					
652—SRR7032-3R3M	C	3.3	16	7.96	55	
652—SRR7032-4R7M	C	4.7	16	7.96	43	
652—SRR7032-6R8M	C	6.8	17	7.96	37	
652—SRR7032-100M	C	10	25	2.52	35	
652—SRR7032-150M	C	15	22	2.52	32	
652—SRR7032-220M	C	22	20	2.52	29	
652—SRR7032-330M	C	33	23	2.52	20	
652—SRR7032-470M	C	47	26	2.52	18	
652—SRR7032-680M	C	68	22	2.52	16	
652—SRR7032-101M	C	100	28	0.796	12	
652—SRR7032-151M	C	150	35	0.796	10	
652—SRR7032-221M	C	220	47	0.796	7.5	
652—SRR7032-331M	C	330	46	0.796	6.1	
652—SRR7032-471M	C	470	34	0.796	5.1	
652—SRR7032-681M	C	680	58	0.796	3.8	
652—SRR7032-102M	C	1000	120	0.252	3.1	

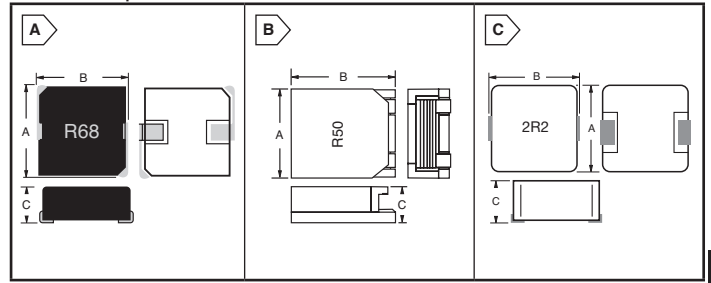
SRR7045 Series

MOUSER STOCK NO.		Fig.	Inductance 100kHz (μH)	Q Ref.	Test Freq. MHz	SRF MHz(Typ.)
Mfr.	Mfr. Part No.					
652—SRR7045-1R0M	C	1.0	10	7.96	60	
652—SRR7045-2R7M	C	2.7	10	7.96	60	
652—SRR7045-3R3M	C	3.3	10	7.96	43	
652—SRR7045-3R9M	C	3.9	10	7.96	40	
652—SRR7045-4R7M	C	4.7	10	7.96	35	
652—SRR7045-5R6M	C	5.6	10	7.96	33	
652—SRR7045-6R8M	C	6.8	10	7.96	28	
652—SRR7045-100M	C	10	30	2.52	25	
652—SRR7045-150M	C	15	31	2.52	24	
652—SRR7045-220M	C	22	26	2.52	18	
652—SRR7045-270M	C	27	25	2.52	18	
652—SRR7045-330M	C	33	25	2.52	12	
652—SRR7045-390M	C	39	26	2.52	13	
652—SRR7045-470M	C	47	29	2.52	11	
652—SRR7045-680M	C	68	22	2.52	10	
652—SRR7045-820M	C	82	22	2.52	9	
652—SRR7045-101M	C	100	40	0.796	8	
652—SRR7045-151M	C	150	51	0.796	7	
652—SRR7045-221M	C	220	44	0.796	5	
652—SRR7045-271M	C	270	30	0.796	5	
652—SRR7045-331M	C	330	65	0.796	4	
652—SRR7045-391M	C	390	27	0.796	5	
652—SRR7045-471M	C	470	80	0.796	3	
652—SRR7045-681M	C	680	65	0.796	3	
652—SRR7045-821M	C	820	26	0.796	3	
652—SRR7045-102M	C	1000	90	0.252	3	

BOURNS SRP Series Shielded Power Inductors **BOURNS®**

RoHS Compliant **This product is RoHS compliant.**

Series	Dimensions: mm (in.)			Price Each		Reel Qty.	Price Per Piece
	A	B	C	1	100		
Fig. A							
SRP1040	10.5 (.413)	11.8 (.465)	4.2 (.165)			900	
SRP1235	13.9 (.547)	13.9 (.547)	3.7 (.146)			600	
SRP1250	13.5 (.531)	13.9 (.547)	5.9 (.232)			500	
SRP1270	13.7 (.539)	13.7 (.539)	7.0 (.276)			400	
SRP7030	7.0 (.276)	7.8 (.307)	3.2 (.126)			1000	
Fig. B							
SRP1204	12.5 (.492)	12.5 (.492)	4.0 (.157)			800	
Fig. C							
SRP4012	4.0 (.157)	4.7 (.185)	1.2 (.047)			2000	
SRP4020	4.0 (.157)	4.8 (.189)	2.0 (.079)			1000	
SRP7030F	6.5 (.039)	7.6 (.299)	3.2 (.126)			1000	



SRP SERIES SHIELDED POWER INDUCTORS

Features:

- Lead Free
- RoHS Compliant

Specifications:

- Test Voltage: 0.25V (1.0V for SRP1270 Series)
- Test Frequency: 100KHz
- Reflow Soldering: 230°C; 50 sec. max.
- Operating Temperature: -55°C to 150°C (temperature rise included)
- Storage Temperature: -55°C to +150°C
- Resistance to Soldering Heat: +260°C for 10 sec.

Applications (Fig. A and B):

- Input/output to DC/DC converters
- Power Supplies for:
 - Portable communications equipment
 - Camcorders
 - LCD TVs
 - Car audio systems

Applications (Fig. C):

- DC/DC converters
- Power Supplies for:
 - Portable communications equipment
 - Laptop computers
 - Camcorders, HDTV, car audio systems
 - Video game consoles

SRP1040 Series

MOUSER STOCK NO.	Inductance	I sat (A)	I rms (A)	DCR (mΩ) max.
652-SRP1040-R15M	0.15	40	34	1.3
652-SRP1040-R20M	0.20	40	32	1.0
652-SRP1040-R36M	0.36	40	28	1.4
652-SRP1040-R39M	0.39	32	24	1.4
652-SRP1040-R47M	0.47	38	26	1.6
652-SRP1040-R50M	0.50	32	23	1.9
652-SRP1040-R68M	0.68	32	23	2.4
652-SRP1040-R75M	0.75	28	22	2.5
652-SRP1040-R80M	0.80	30	21	3.0
652-SRP1040-1R0M	1.0	28	20	3.5
652-SRP1040-1R2M	1.2	24	18	4.7
652-SRP1040-2R2M	2.2	17	12	8.6
652-SRP1040-2R5M	2.5	14	11.5	8.7
652-SRP1040-3R3M	3.3	14	10	10
652-SRP1040-4R7M	4.7	13	8.0	14
652-SRP1040-5R6M	5.6	12	7.0	16
652-SRP1040-6R8M	6.8	11	6.5	24
652-SRP1040-8R2M	8.2	8.0	5.0	33
652-SRP1040-100M	10	9.0	5.0	35
652-SRP1040-150M	15	7.0	5.0	57
652-SRP1040-220M	22	6.0	3.5	62
652-SRP1040-330M	33	5.0	3.0	87
652-SRP1040-470M	47	3.0	2.0	160

SRP1204 Series

652-SRP1204-1R8M	0.75	14	13	3
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SRP1235 Series

MOUSER STOCK NO.	Inductance	I sat (A)	I rms (A)	DCR (mΩ) max.
652-SRP1235-R10M	0.10	56	43.0	0.96
652-SRP1235-R15M	0.15	50	41.0	1.2
652-SRP1235-R33M	0.33	50	36.5	1.5
652-SRP1235-R47M	0.47	44	32.0	2.0
652-SRP1235-R60M	0.60	42	29.0	2.5
652-SRP1235-R68M	0.68	40	28.0	2.5
652-SRP1235-R82M	0.82	38	25.0	3.0
652-SRP1235-1R0M	1.00	36	24.0	3.5
652-SRP1235-1R5M	1.50	28	19.0	5.5
652-SRP1235-1R8M	1.80	24	16.5	7.0
652-SRP1235-3R3M	3.30	18	12.0	12
652-SRP1250-4R7M	4.70	27	12.0	15
652-SRP1235-4R7M	4.70	16	10.0	15
652-SRP1235-5R6M	5.60	14	10.0	18
652-SRP1235-6R8M	6.80	13	9.0	22
652-SRP1250-100M	10.00	9	16.0	25.5

SRP1250 Series

652-SRP1250-R22M	0.22	80	45	1
652-SRP1250-R36M	0.36	75	41	1.1
652-SRP1250-R47M	0.47	65	38	1.3
652-SRP1250-R50M	0.50	55	36	1.5
652-SRP1250-R56M	0.56	55	36	1.5
652-SRP1250-R68M	0.68	54	34	1.7
652-SRP1250-1R0M	1.00	50	29	2.5
652-SRP1250-1R2M	1.20	49	27	3.3
652-SRP1250-1R5M	1.50	48	23	4.1
652-SRP1250-1R8M	1.80	40	21	4.7
652-SRP1250-2R2M	2.20	32	20	5.5
652-SRP1250-2R7M	2.70	32	17	7.3
652-SRP1250-3R3M	3.30	32	15	9.2
652-SRP1250-6R0M	6.00	14	9.5	10
652-SRP1250-6R8M	6.80	21	11	18.5
652-SRP1250-7R8M	7.80	18	10	18

SRP1270 Series

MOUSER STOCK NO.	Inductance	I sat (A)	I rms (A)	DCR (mΩ) max.
652-SRP1270-R68M	0.68	60	35	1.6
652-SRP1270-1R0M	1.00	50	32	2.1
652-SRP1270-1R5M	1.50	48	27	2.6
652-SRP1270-2R2M	2.20	40	22	4.2
652-SRP1270-3R3M	3.30	35	18	6.6
652-SRP1270-4R7M	4.70	30	15	11.2
652-SRP1270-5R6M	5.60	26.5	14	10
652-SRP1270-6R8M	6.80	21	12	14
652-SRP1270-8R2M	8.20	17	11	15.5
652-SRP1270-100M	10.00	16	10	16.8

SRP4012 Series

652-SRP4012-R22M	0.22	10	9	9.3
652-SRP4012-R47M	0.47	9	6.5	20
652-SRP4012-R56M	0.56	8	5.5	25
652-SRP4012-1R0M	1.0	6.3	4.8	33.6
652-SRP4012-1R2M	1.2	6	3	45
652-SRP4012-1R5M	1.5	5.5	3	50

SRP4020 Series

652-SRP4020-R22M	0.22	10	15	100
652-SRP4020-R47M	0.47	8	9	100
652-SRP4020-R56M	0.56	7	8	100
652-SRP4020-R68M	0.68	6.3	7	100
652-SRP4020-R88M	0.88	5.5	6.5	100
652-SRP4020-1R0M	1.00	5	6	100
652-SRP4020-1R2M	1.20	5	5	100
652-SRP4020-1R5M	1.50	4.5	4.5	100
652-SRP4020-2R2M	2.20	4.5	4	100

SRP7030 Series

652-SRP7030-R10M	0.10	42	32.5	1.7
652-SRP7030-R15M	0.15	38	26	2.5
652-SRP7030-R20M	0.20	36	24	3.0
652-SRP7030-R22M	0.22	36	23	2.8
652-SRP7030-R33M	0.33	30	20	3.9
652-SRP7030-R47M	0.47	26	17.5	4.2
652-SRP7030-R68M	0.68	23	15.5	5.5
652-SRP7030-R82M	0.82	20	13.0	8.0
652-SRP7030-1R5M	1.5	14	9.0	15
652-SRP7030-2R2M	2.2	12	8.0	20
652-SRP7030-3R3M	3.3	10	6.0	30
652-SRP7030-4R7M	4.7	6.5	5.5	40
652-SRP7030-6R8M	6.8	6	4.5	60
652-SRP7030-8R2M	8.2	5.5	4.0	68
652-SRP7030-100M	10	4.5	3.0	85

SRP7030F Series

652-SRP7030-R10FM	0.10	60	32	100
652-SRP7030-R15FM	0.15	37	28	100
652-SRP7030-R20FM	0.20	34	23	100
652-SRP7030-R22FM	0.22	34	23	100
652-SRP7030-R33FM	0.33	25	18	100
652-SRP7030-R47FM	0.47	19	17	100
652-SRP7030-R56FM	0.56	17	15	100
652-SRP7030-R68FM	0.68	17	15	100
652-SRP7030-R82FM	0.82	14	12	100
652-SRP7030-1R0FM	1.00	13	11	100
652-SRP7030-1R1FM	1.10	13	11	100
652-SRP7030-1R5FM	1.50	12	10	100
652-SRP7030-2R2FM	2.20	11	7	100
652-SRP7030-3R3FM	3.30	10	7	100
652-SRP7030-4R7FM	4.70	7	5	100
652-SRP7030-5R6FM	5.60	6	5	100
652-SRP7030-6R8FM	6.80	5.5	4.5	100
652-SRP7030-8R2FM	8.20	5	4.5	100
652-SRP7030-100FM	10.00	5	3.5	100

BOURNS High Q and Multi Layer Chip Inductors **BOURNS**

RoHS Compliant This product is RoHS compliant.

HIGH Q CHIP INDUCTORS



	Dimensions: mm (in.)		
	L	W	H
Case Size	Dimensions: mm (in.)		
0402	1.00 ±0.10 (.039 ±0.004)	0.55 ±0.10 (.022 ±0.004)	0.5 ±0.10 (.020 ±0.004)
0603	1.65 ±0.15 (.065 ±0.008)	1.05 ±0.20 (.041 ±0.008)	1.0 ±0.20 (.040 ±0.008)
0805	2.1 ±0.20 (.083 ±0.008)	1.5 ±0.20 (.059 ±0.008)	1.3 ±0.20 (.051 ±0.008)
1008	2.75 ±0.20 (.079 ±0.008)	2.6 ±0.20 (.102 ±0.008)	2.0 ±0.20 (.079 ±0.008)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance		Q	Test Freq.	SRF	Price Each			Reel
Mfr.	Mfr. Part No.	nH	Tol. ±	(min.)	MHz	MHz (min.)	1	100	500	Price Each
CW100505 Series 0402 Size										
652	CW100505-1N0D	1.0	0.3nH	13	250	6000				10000
652	CW100505-2N2D	2.2	0.3nH	18	250	6000				
652	CW100505-2N7D	2.7	0.3nH	16	250	6000				
652	CW100505-3N3J	3.3	5%	20	250	6000				
652	CW100505-3N9J	3.9	5%	20	250	5800				
652	CW100505-4N7J	4.7	5%	15	250	4775				
652	CW100505-5N6J	5.6	5%	23	250	5800				
652	CW100505-6N8J	6.8	5%	20	250	4800				
652	CW100505-8N2J	8.2	5%	25	250	4400				
652	CW100505-10N1J	10	5%	23	250	3900				
652	CW100505-12N1J	12	5%	26	250	3600				
652	CW100505-15N1J	15	5%	26	250	3280				
652	CW100505-18N1J	18	5%	25	250	3100				
652	CW100505-22N1J	22	5%	25	250	2800				
652	CW100505-27N1J	27	5%	26	250	2480				
652	CW100505-33N1J	33	5%	24	250	2350				
652	CW100505-39N1J	39	5%	25	250	2100				
652	CW100505-47N1J	47	5%	26	200	2100				
652	CW100505-56N1J	56	5%	22	200	1760				
652	CW100505-68N1J	68	5%	22	200	1620				
652	CW100505-82N1J	82	5%	20	150	1500				
652	CW100505-R10J	100	5%	20	150	1300				
652	CW100505-R12J	120	5%	20	150	1100				
CW160808 Series 0603 Size										
652	CW160808-4N7K	4.7	10%	16	250	5800				
652	CW160808-6N8J	6.8	5%	25	250	5800				
652	CW160808-10N1J	10	5%	30	250	4800				
652	CW160808-15N1J	15	5%	30	250	4000				
652	CW160808-22N1J	22	5%	35	250	3000				
652	CW160808-33N1J	33	5%	35	250	2300				
652	CW160808-47N1J	47	5%	35	200	2100				
652	CW160808-68N1J	68	5%	35	200	1700				
652	CW160808-R10J	100	5%	34	150	1400				
652	CW160808-R15J	150	5%	28	150	1300				
652	CW160808-R22J	220	5%	25	100	990				
652	CW160808-R27J	270	5%	25	100	990				
CW201212 Series 0805 Size										
652	CW201212-2N2J	2.2	5%	50	250	6000				2000
652	CW201212-4N7J	4.7	5%	60	250	5800				
652	CW201212-10N1J	10	5%	60	250	4800				
652	CW201212-15N1J	15	5%	60	250	3600				
652	CW201212-22N1J	22	5%	60	250	3300				
652	CW201212-33N1J	33	5%	60	250	2400				
652	CW201212-47N1J	47	5%	60	200	1700				
652	CW201212-68N1J	68	5%	60	200	1450				
652	CW201212-R10J	100	5%	60	150	1200				
652	CW201212-R15J	150	5%	50	100	950				
652	CW201212-R22J	220	5%	50	100	860				
652	CW201212-R33J	330	5%	45	100	800				
652	CW201212-R47J	470	5%	33	250	375				
CW252016 Series 1008 Size										
652	CW252016-10NK	10	10%	50	100	4100				
652	CW252016-15NK	15	10%	40	100	2500				
652	CW252016-22NK	22	10%	55	100	2400				
652	CW252016-33NK	33	10%	60	100	1600				
652	CW252016-47NK	47	10%	60	100	1500				
652	CW252016-68NJ	68	5%	60	100	1300				
652	CW252016-R10J	100	5%	60	100	1000				
652	CW252016-R15J	150	5%	45	25	850				
652	CW252016-R22J	220	5%	45	25	700				
652	CW252016-R33J	330	5%	45	25	570				
652	CW252016-R47J	470	5%	45	25	450				
652	CW252016-R68J	680	5%	45	25	375				
652	CW252016-R10J	1000	5%	25	25	290				
652	CW252016-R15J	1500	5%	25	7.9	200				
652	CW252016-R22J	2200	5%	25	7.9	160				

MULTI-LAYER CHIP INDUCTORS

	Dimensions: mm (in.)		
	L	W	H
Case Size	Dimensions: mm (in.)		
CI100505	1.0 ±0.05 (.039 ±0.002)	0.5 ±0.05 (.020 ±0.002)	0.5 ±0.05 (.020 ±0.002)
CI160808	2.0 ±0.20 (.079 ±0.008)	1.0 ±0.20 (.039 ±0.008)	*A ±0.20 (A ±0.008)
CE201210	2.0 ±0.20 (.079 ±0.008)	1.25 ±0.20 (.049 ±0.008)	1.0 ±0.20 (.049 ±0.008)

Specifications:

- Operating/Storage Temperature: -55°C to +125°C
- Reflow Soldering: 230°C, 50 sec. max.
- Resistance to Solder Heat: 260°C, 5 sec.

*Model Type:	A Dim.
CE201210-	mm (in.)
1N5D thru 82NJ	0.85 (0.033)
R10J thru R39J	1.00 (0.039)
R47J	1.25 (0.050)

Materials:

- Base Material: Ceramic
- Terminal Electrode: Ag, Ni, Sn



CI100505 Series

RoHS Compliant

For quantities greater than listed, call for quote.

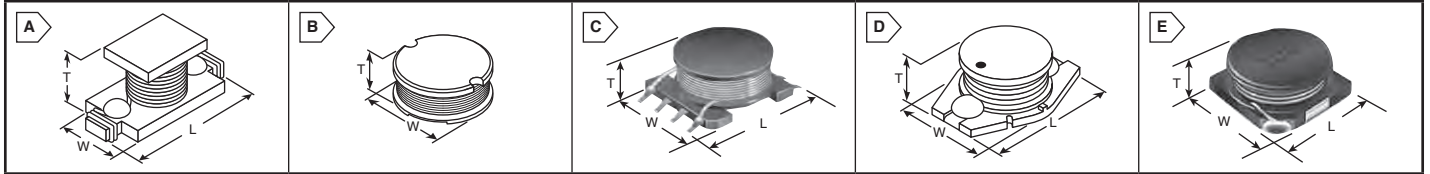
MOUSER STOCK NO.		Inductance		Q	Test Freq.	SRF	Price Each			Reel
Mfr.	Mfr. Part No.	nH	Tol. ±	(min.)	MHz	MHz (min.)	1	100	500	Price Ea.
652	CI100505-1N0D	1.0	0.3nH	8	100	6000				
652	CI100505-1N5D	1.5	0.3nH	8	100	6000				
652	CI100505-2N2D	2.2	0.3nH	8	100	6000				
652	CI100505-3N3D	3.3	0.3nH	8	100	6000				
652	CI100505-4N7D	4.7	0.3nH	8	100	4000				
652	CI100505-6N8J	6.8	5%	8	100	3900				
652	CI100505-8N2J	8.2	5%	8	100	3600				
652	CI100505-10N1J	10	5%	8	100	3200				
652	CI100505-15N1J	15	5%	8	100	2300				
652	CI100505-22N1J	22	5%	8	100	1900				
652	CI100505-33N1J	33	5%	8	100	1300				
652	CI100505-47N1J	47	5%	8	100	1000				
652	CI100505-68N1J	68	5%	8	100	700				
652	CI100505-82N1J	82	5%	8	100	600				
652	CI100505-R10J	100	5%	8	100	550				

CI160808 Series and CE201210 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance		Q	Test Freq.	SRF	Price Each			Reel
Mfr.	Mfr. Part No.	nH	Tol. ±	(min.)	MHz	MHz (min.)	1	100	500	Price Ea.
CI160808 Series										
652	CI160808-1N0D	1.0	0.3nH	8	100	4000				
652	CI160808-1N5D	1.5	0.3nH	8	100	4000				
652	CI160808-2N2D	2.2	0.3nH	8	100	3600				
652	CI160808-3N3D	3.3	0.3nH	10	100	3200				
652	CI160808-4N7D	4.7	0.3nH	10	100	2800				
652	CI160808-6N8J	6.8	5%	10	100	2600				
652	CI160808-8N2J	8.2	5%	10	100	2200				
652	CI160808-10N1J	10	5%	10	100	1800				
652	CI160808-15N1J	15	5%	10	100	1350				
652	CI160808-22N1J	22	5%	10	100	1100				
652	CI160808-33N1J	33	5%	10	100	1000				
652	CI160808-47N1J	47	5%	10	100	800				
652	CI160808-68N1J	68	5%	10	100	700				
652	CI160808-82N1J	82	5%	10	100	600				
652	CI160808-R10J	100	5%	10	50	500				
652	CI160808-R15J	150	5%	8	50	500				
652	CI160808-R22J	220	5%	8	50	350				
CE201210 Series										
652	CE201210-1N5D	1.5	0.3nH	21	100	4000				
652	CE201210-2N2D	2.2	0.3nH	18	100	4000				
652	CE201210-3N3J	3.3	5%	16	100	4000			</	

RoHS Compliant This page of product is RoHS compliant.



SDR SERIES LEAD FREE NON-SHIELDED POWER INDUCTORS

Applications:

- Input/output of DC/DC Converters
- Portable Communication Equipment
- Camcorders
- LCD TVs
- Car Radios

For quantities greater than listed, call for quote.

Series	DIMENSIONS: mm (in.)			Price Each		Reel Qty.	Price Per Piece
	Length (L)	Width (W)	Thickness (T)	1	100		
SDR0703	6.5 (.256)	4.5 (.177)	2.7 (.106)			500	
SDR0805	7.8 (.307)	7.8 (.307)	5.3 (.209)			1000	
SDR0906	12.5 (.492)	10.5 (.413)	6.3 (.248)			600	
SDR1005	12.7 (.500)	10.0 (.393)	5.0 (.197)			600	
SDR1006	--	9.8 (.386)	5.8 (.228)			800	
SDR1045	10.0 (.394)	10.0 (.394)	4.5 (.177)			700	

SDR0703 Series (Cont.)

MOUSER STOCK NO.		Fig.	Value uF	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR0703-6R8ML	A	6.8	20	7.96	45
652	SDR0703-8R2ML	A	8.2	20	7.96	40
652	SDR0703-100KL	A	10	23	2.52	36
652	SDR0703-120KL	A	12	20	2.52	36
652	SDR0703-150KL	A	15	23	2.52	30
652	SDR0703-220KL	A	22	20	2.52	26
652	SDR0703-330KL	A	33	17	2.52	20
652	SDR0703-470KL	A	47	20	2.52	15
652	SDR0703-560KL	A	56	20	2.52	13
652	SDR0703-680KL	A	68	18	2.52	13
652	SDR0703-820KL	A	82	18	2.52	12
652	SDR0703-101KL	A	100	33	0.796	11
652	SDR0703-151KL	A	150	30	0.796	9
652	SDR0703-221KL	A	220	31	0.796	7
652	SDR0703-271KL	A	270	30	0.796	7
652	SDR0703-331KL	A	330	33	0.796	6
652	SDR0703-391KL	A	390	36	0.796	5.5
652	SDR0703-471KL	A	470	33	0.796	5
652	SDR0703-561KL	A	560	36	0.796	4
652	SDR0703-681KL	A	680	32	0.796	4
652	SDR0703-821KL	A	820	32	0.796	3.6
652	SDR0703-102KL	A	1000	30	0.252	3.2

SDR1005 Series

MOUSER STOCK NO.		Fig.	Value uF	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR1005-R68ML	D	0.68	26	7.960	160
652	SDR1005-1R0ML	D	1	20	10	137
652	SDR1005-1R5ML	D	1.5	50	3	95
652	SDR1005-2R5ML	D	2.5	49	3	56
652	SDR1005-3R3ML	D	3.3	50	4	54
652	SDR1005-4R7ML	D	4.7	50	4	42
652	SDR1005-6R8ML	D	6.8	50	3	31
652	SDR1005-100ML	D	10	50	3	26
652	SDR1005-150ML	D	15	50	3	22
652	SDR1005-220ML	D	22	40	3	18
652	SDR1005-330KL	D	33	25	1	14
652	SDR1005-470KL	D	47	25	1	12
652	SDR1005-680KL	D	68	25	1	11
652	SDR1005-101KL	D	100	30	0.05	8
652	SDR1005-151KL	D	150	30	0.05	6
652	SDR1005-221KL	D	220	33	0.05	5
652	SDR1005-331KL	D	330	33	0.05	4
652	SDR1005-471KL	D	470	57	0.05	4
652	SDR1005-681KL	D	680	57	0.05	3
652	SDR1005-102KL	D	1000	81	0.07	2
652	SDR1005-152KL	D	1500	97	0.131	2
652	SDR1005-222KL	D	2200	85	0.128	2
652	SDR1005-222JL	D	2200	91	0.07	2
652	SDR1005-332JL	D	3300	93	0.07	1
652	SDR1005-332KL	D	3300	106	0.128	1
652	SDR1005-472JL	D	4700	93	0.07	1
652	SDR1005-682KL	D	6800	105	0.171	1
652	SDR1005-822KL	D	8200	102	0.145	1
652	SDR1005-103KL	D	10000	101	0.07	1

SDR0805 Series

MOUSER STOCK NO.		Fig.	Value uF	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR0805-1R5ML	B	1.5	32	7.96	120
652	SDR0805-2R5ML	B	2.5	32	7.96	70
652	SDR0805-3R3ML	B	3.3	32	7.96	55
652	SDR0805-4R7ML	B	4.7	31	7.96	38
652	SDR0805-5R6ML	B	5.6	31	7.96	34
652	SDR0805-6R8ML	B	6.8	30	7.96	33
652	SDR0805-7R5ML	B	7.5	29	7.96	30
652	SDR0805-100ML	B	10	25	2.52	22
652	SDR0805-120ML	B	12	25	2.52	20
652	SDR0805-150ML	B	15	25	2.52	16
652	SDR0805-180ML	B	18	20	2.52	15
652	SDR0805-220ML	B	22	20	2.52	13
652	SDR0805-270KL	B	27	20	2.52	12
652	SDR0805-330KL	B	33	15	2.52	10
652	SDR0805-390KL	B	39	15	2.52	10
652	SDR0805-470KL	B	47	15	2.52	9
652	SDR0805-560KL	B	56	15	2.52	9
652	SDR0805-680KL	B	68	15	2.52	8
652	SDR0805-820KL	B	82	12	2.52	7
652	SDR0805-101KL	B	100	12	0.796	7
652	SDR0805-121KL	B	120	12	0.796	6
652	SDR0805-151KL	B	150	12	0.796	6
652	SDR0805-181KL	B	180	12	0.796	5
652	SDR0805-221KL	B	220	12	0.796	5
652	SDR0805-271KL	B	270	12	0.796	5
652	SDR0805-331KL	B	330	12	0.796	4
652	SDR0805-391KL	B	390	12	0.796	4
652	SDR0805-471KL	B	470	12	0.796	4
652	SDR0805-122KL	B	1200	28	0.252	2
652	SDR0805-152KL	B	1500	27	0.252	2
652	SDR0805-182KL	B	1800	30	0.252	2
652	SDR0805-392KL	B	3900	28	0.252	1

SDR1006 Series

652	SDR1006-1R5ML	B	1.5	35	7.96	105
652	SDR1006-3R3ML	B	3.3	34	7.96	55
652	SDR1006-4R7ML	B	4.7	33	7.96	40
652	SDR1006-6R8ML	B	6.8	33	7.96	32
652	SDR1006-100ML	B	10	30	2.52	21
652	SDR1006-120ML	B	12	30	2.52	20
652	SDR1006-150ML	B	15	30	2.52	16
652	SDR1006-180ML	B	18	30	2.52	15
652	SDR1006-220ML	B	22	25	2.52	13
652	SDR1006-270KL	B	27	25	2.52	11
652	SDR1006-330KL	B	33	25	2.52	10
652	SDR1006-390KL	B	39	20	2.52	9
652	SDR1006-470KL	B	47	20	2.52	8
652	SDR1006-560KL	B	56	20	2.52	7.5
652	SDR1006-680KL	B	68	15	2.52	7
652	SDR1006-820KL	B	82	15	2.52	6
652	SDR1006-101KL	B	100	15	0.796	5.2
652	SDR1006-121KL	B	120	15	0.796	5
652	SDR1006-151KL	B	150	15	0.796	4.5
652	SDR1006-181KL	B	180	12	0.796	4
652	SDR1006-221KL	B	220	12	0.796	3.8
652	SDR1006-271KL	B	270	12	0.796	3.5
652	SDR1006-331KL	B	330	12	0.796	3.2
652	SDR1006-391KL	B	390	12	0.796	3.0
652	SDR1006-471KL	B	470	12	0.796	2.5
652	SDR1006-561KL	B	560	12	.796	2.3
652	SDR1006-681KL	B	680	12	0.796	2.1
652	SDR1006-102KL	B	1000	30	0.252	1.9
652	SDR1006-222KL	B	2200	31	0.252	1.5
652	SDR1006-332KL	B	3300	32	0.252	1.3
652	SDR1006-472KL	B	4700	32	0.252	0.8

SDR0906 Series

MOUSER STOCK NO.		Fig.	Value uF	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR0906-121KL	C	120	15	0.796	8

SDR1045 Series

MOUSER STOCK NO.		Fig.	Value uF	Q (min.)	Test Freq. (MHz)	SRF MHz (min.)
Mfr.	Mfr. Part No.					
652	SDR1045-102K	E	1000	25	0.252	2.9

BOURNS High Current Toroidal Inductors

BOURNS

RoHS Compliant This product is RoHS compliant.

2100HT SERIES

Features:

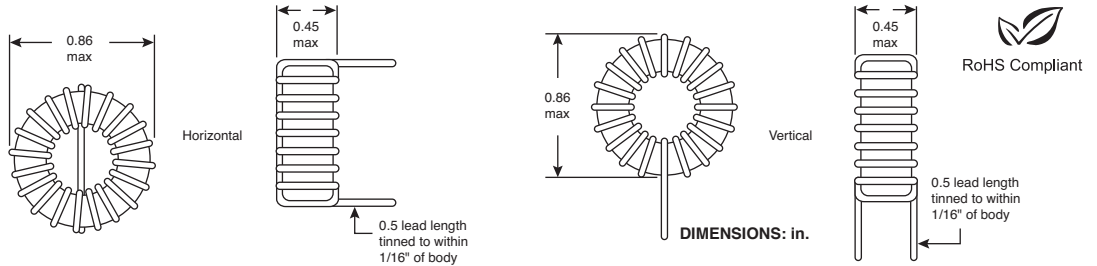
- High Temperature rating-up to +200°C
- Low magnetic radiation
- High current capacity
- Horizontal or vertical mount available
- Low cost
- Operating temperature: -55°C to +200°C

Applications:

- High operating temperature environments
- DC-DC converters
- Output chokes
- EMI filters

Notes:

- Rated Idc causes a 50°C temperature rise



Horizontal Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Ind (μH)	Idc (A)	Res. (Ω)	Price Each			
					1	25	50	100
652-2100HT-100-H-RC	2100HT-100-H-RC	10	9.9	0.012				
652-2100HT-120-H-RC	2100HT-120-H-RC	12	9.6	0.013				
652-2100HT-150-H-RC	2100HT-150-H-RC	15	9.1	0.014				
652-2100HT-180-H-RC	2100HT-180-H-RC	18	8.6	0.016				
652-2100HT-270-H-RC	2100HT-270-H-RC	27	6.4	0.028				
652-2100HT-330-H-RC	2100HT-330-H-RC	33	6.1	0.031				
652-2100HT-470-H-RC	2100HT-470-H-RC	47	5.6	0.036				
652-2100HT-560-H-RC	2100HT-560-H-RC	56	5.3	0.040				
652-2100HT-680-H-RC	2100HT-680-H-RC	68	5.1	0.044				
652-2100HT-101-H-RC	2100HT-101-H-RC	100	4.6	0.053				
652-2100HT-121-H-RC	2100HT-121-H-RC	120	3.5	0.094				
652-2100HT-221-H-RC	2100HT-221-H-RC	220	3	0.130				
652-2100HT-271-H-RC	2100HT-271-H-RC	270	2.8	0.140				
652-2100HT-331-H-RC	2100HT-331-H-RC	330	2.7	0.160				
652-2100HT-391-H-RC	2100HT-391-H-RC	390	2.1	0.270				
652-2100HT-681-H-RC	2100HT-681-H-RC	680	1.8	0.350				
652-2100HT-821-H-RC	2100HT-821-H-RC	820	1.7	0.390				
652-2100HT-102-H-RC	2100HT-102-H-RC	000	1.6	0.430				

Vertical Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Ind (μH)	Idc (A)	Res. (Ω)	Price Each			
					1	25	50	100
652-2100HT-100-V-RC	2100HT-100-V-RC	10	9.9	0.012				
652-2100HT-120-V-RC	2100HT-120-V-RC	12	9.6	0.013				
652-2100HT-150-V-RC	2100HT-150-V-RC	15	9.1	0.014				
652-2100HT-180-V-RC	2100HT-180-V-RC	18	8.6	0.016				
652-2100HT-220-V-RC	2100HT-220-V-RC	22	6.7	0.026				
652-2100HT-270-V-RC	2100HT-270-V-RC	27	6.4	0.028				
652-2100HT-390-V-RC	2100HT-390-V-RC	39	5.9	0.033				
652-2100HT-470-V-RC	2100HT-470-V-RC	47	5.6	0.036				
652-2100HT-560-V-RC	2100HT-560-V-RC	56	5.3	0.040				
652-2100HT-101-V-RC	2100HT-101-V-RC	100	4.6	0.053				
652-2100HT-121-V-RC	2100HT-121-V-RC	120	3.5	0.094				
652-2100HT-151-V-RC	2100HT-151-V-RC	150	3.3	0.110				
652-2100HT-181-V-RC	2100HT-181-V-RC	180	3.1	0.120				
652-2100HT-331-V-RC	2100HT-331-V-RC	330	2.7	0.160				
652-2100HT-391-V-RC	2100HT-391-V-RC	390	2.1	0.270				
652-2100HT-471-V-RC	2100HT-471-V-RC	470	2	0.290				
652-2100HT-561-V-RC	2100HT-561-V-RC	560	1.9	0.320				
652-2100HT-821-V-RC	2100HT-821-V-RC	820	1.7	0.390				

2200HT SERIES

Features:

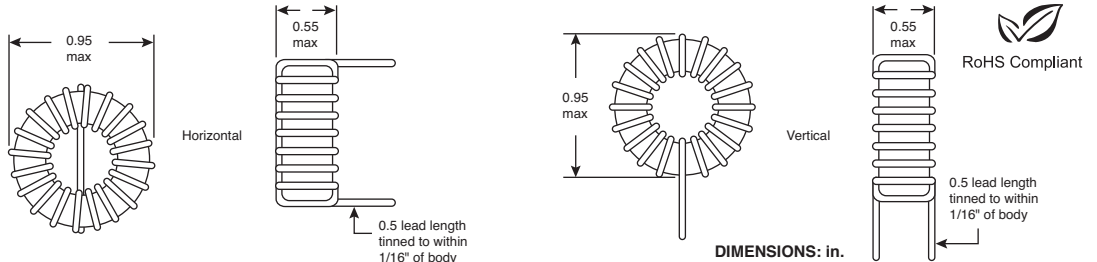
- High Temperature rating-up to +200°C
- Low magnetic radiation
- High current capacity
- Horizontal or vertical mount available
- Low cost
- Operating temperature: -55°C to +200°C

Applications:

- High operating temperature environments
- DC-DC converters
- Output chokes
- EMI filters

Notes:

- Rated Idc causes a 50°C temperature rise



Horizontal Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Ind (μH)	Idc (A)	Res. (Ω)	Price Each			
					1	10	25	50
652-2200HT-100-H-RC	2200HT-100-H-RC	10	11.2	0.014				
652-2200HT-120-H-RC	2200HT-120-H-RC	12	10.9	0.015				
652-2200HT-150-H-RC	2200HT-150-H-RC	15	10.3	0.017				
652-2200HT-180-H-RC	2200HT-180-H-RC	18	9.7	0.018				
652-2200HT-220-H-RC	2200HT-220-H-RC	22	9.3	0.020				
652-2200HT-270-H-RC	2200HT-270-H-RC	27	8.9	0.022				
652-2200HT-330-H-RC	2200HT-330-H-RC	33	8.4	0.025				
652-2200HT-390-H-RC	2200HT-390-H-RC	39	8.1	0.026				
652-2200HT-470-H-RC	2200HT-470-H-RC	47	6.4	0.042				
652-2200HT-560-H-RC	2200HT-560-H-RC	56	6.1	0.046				
652-2200HT-680-H-RC	2200HT-680-H-RC	68	5.8	0.050				
652-2200HT-101-H-RC	2200HT-101-H-RC	100	5.3	0.061				
652-2200HT-121-H-RC	2200HT-121-H-RC	120	5	0.067				
652-2200HT-151-H-RC	2200HT-151-H-RC	150	4.8	0.075				
652-2200HT-181-H-RC	2200HT-181-H-RC	180	4.6	0.082				
652-2200HT-221-H-RC	2200HT-221-H-RC	220	4.3	0.091				
652-2200HT-271-H-RC	2200HT-271-H-RC	270	3.3	0.160				
652-2200HT-331-H-RC	2200HT-331-H-RC	330	3.1	0.180				
652-2200HT-391-H-RC	2200HT-391-H-RC	390	3	0.190				
652-2200HT-471-H-RC	2200HT-471-H-RC	470	2.8	0.210				
652-2200HT-561-H-RC	2200HT-561-H-RC	560	2.7	0.230				
652-2200HT-681-H-RC	2200HT-681-H-RC	680	2.6	0.270				
652-2200HT-821-H-RC	2200HT-821-H-RC	820	2	0.440				
652-2200HT-102-H-RC	2200HT-102-H-RC	1000	1.9	0.490				

Vertical Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Ind (μH)	Idc (A)	Res. (Ω)	Price Each			
					1	10	25	50
652-2200HT-100-V-RC	2200HT-100-V-RC	10	11.2	0.014				
652-2200HT-120-V-RC	2200HT-120-V-RC	12	10.9	0.015				
652-2200HT-150-V-RC	2200HT-150-V-RC	15	10.3	0.017				
652-2200HT-180-V-RC	2200HT-180-V-RC	18	9.7	0.018				
652-2200HT-220-V-RC	2200HT-220-V-RC	22	9.3	0.020				
652-2200HT-270-V-RC	2200HT-270-V-RC	27	8.9	0.022				
652-2200HT-330-V-RC	2200HT-330-V-RC	33	8.4	0.025				
652-2200HT-390-V-RC	2200HT-390-V-RC	39	8.1	0.026				
652-2200HT-470-V-RC	2200HT-470-V-RC	47	6.4	0.042				
652-2200HT-560-V-RC	2200HT-560-V-RC	56	6.1	0.046				
652-2200HT-680-V-RC	2200HT-680-V-RC	68	5.8	0.050				
652-2200HT-101-V-RC	2200HT-101-V-RC	100	5.3	0.061				
652-2200HT-121-V-RC	2200HT-121-V-RC	120	5	0.067				
652-2200HT-151-V-RC	2200HT-151-V-RC	150	4.8	0.075				
652-2200HT-181-V-RC	2200HT-181-V-RC	180	4.6	0.082				
652-2200HT-221-V-RC	2200HT-221-V-RC	220	4.3	0.091				
652-2200HT-271-V-RC	2200HT-271-V-RC	270	3.3	0.160				
652-2200HT-331-V-RC	2200HT-331-V-RC	330	3.1	0.180				
652-2200HT-391-V-RC	2200HT-391-V-RC	390	3	0.190				
652-2200HT-471-V-RC	2200HT-471-V-RC	470	2.8	0.210				
652-2200HT-561-V-RC	2200HT-561-V-RC	560	2.7	0.230				
652-2200HT-681-V-RC	2200HT-681-V-RC	680	2.6	0.270				
652-2200HT-821-V-RC	2200HT-821-V-RC	820	2	0.440				
652-2200HT-102-V-RC	2200HT-102-V-RC	1000	1.9	0.490				

BOURNS/J.W. MILLER SMD Power Inductors & Ferrite Beads

RoHS Compliant. This product is RoHS compliant.

SMD POWER INDUCTORS

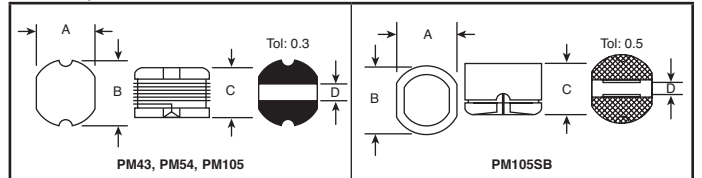
Features:

- Compact size
- Ferrite bobbin core
- High current capability
- Low core loss for high frequency power application
- Operating temperature range: -30 to +100°C
- Large terminal surface for good PCB bonding
- Current to cause maximum 10% of inductance drop or 40°C temperature rise

DIMENSIONS: mm				
Series	A	B	C	D
PM43	4.0	4.5	3.2	1.2
PM54	5.2	5.8	4.5	1.3
PM105	9.0	10.0	5.4	2.1
PM105SB	9.0	10.0	5.0	2.5

For quantities greater than listed, call for quote.

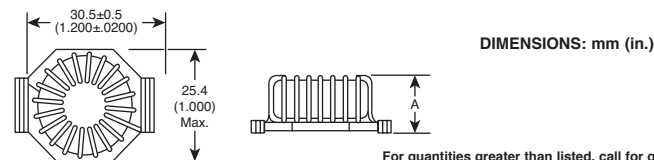
MOUSER STOCK NO.		L (μH)	Test Freq.	Rdc Max. Ohms	Idc Max Amps	Price Each		
Mfr.	Mfr. Part No.					1	10	100
PM43 Series								
542	PM43-1R0M-RC	1.0	7.96MHz	0.049	2.56			
542	PM43-4R7M-RC	4.7	7.96MHz	0.109	1.15			
542	PM43-100M-RC	10	2.52MHz	0.182	1.04			
542	PM43-120M-RC	12	2.52MHz	0.210	0.97			
542	PM43-180M-RC	18	2.52MHz	0.338	0.74			
542	PM43-220M-RC	22	2.52MHz	0.378	0.68			
542	PM43-330K-RC	33	2.52MHz	0.540	0.56			
542	PM43-390K-RC	39	2.52MHz	0.587	0.52			
542	PM43-470K-RC	47	2.52MHz	0.844	0.44			
542	PM43-680K-RC	68	2.52MHz	1.117	0.37			
PM105 Series (Unshielded)								
542	PM105-100M-RC	10	2.52MHz	0.06	2.60			
542	PM105-120M-RC	12	2.52MHz	0.07	2.45			
542	PM105-220M-RC	22	2.52MHz	0.10	1.96			
542	PM105-270M-RC	27	2.52MHz	0.11	1.76			
542	PM105-330M-RC	33	2.52MHz	0.12	1.50			
542	PM105-390M-RC	39	2.52MHz	0.14	1.37			
542	PM105-470K-RC	47	2.52MHz	0.17	1.28			
542	PM105-560K-RC	56	2.52MHz	0.19	1.17			
542	PM105-680K-RC	68	2.52MHz	0.22	1.11			
542	PM105-820K-RC	82	2.52MHz	0.25	1.00			
542	PM105-101K-RC	100	1kHz	0.35	0.97			
542	PM105-121K-RC	120	1kHz	0.40	0.89			
542	PM105-151K-RC	150	1kHz	0.47	0.78			
542	PM105-221K-RC	220	1kHz	0.73	0.66			
542	PM105-271K-RC	270	1kHz	0.97	0.57			
542	PM105-331K-RC	330	1kHz	1.15	0.52			
542	PM105-391K-RC	390	1kHz	1.30	0.48			
542	PM105-471K-RC	470	1kHz	1.48	0.42			
542	PM105-561K-RC	560	1kHz	1.90	0.33			
542	PM105-681K-RC	680	1kHz	2.25	0.28			
542	PM105-821K-RC	820	1kHz	2.55	0.24			



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		L (μH)	Test Freq.	Rdc Max. Ohms	Idc Max Amps	Price Each		
Mfr.	Mfr. Part No.					1	10	25
PM54 Series								
542	PM54-100M-RC	10	2.52MHz	0.10	1.44			
542	PM54-180M-RC	18	2.52MHz	0.15	1.23			
542	PM54-220M-RC	22	2.52MHz	0.18	1.11			
542	PM54-330L-RC	33	2.52MHz	0.23	0.88			
542	PM54-470L-RC	47	2.52MHz	0.37	0.72			
542	PM54-560K-RC	56	2.52MHz	0.42	0.68			
542	PM54-680K-RC	68	2.52MHz	0.46	0.61			
542	PM54-101K-RC	100	1kHz	0.70	0.52			
542	PM54-121K-RC	120	1kHz	0.93	0.48			
542	PM54-221K-RC	220	1kHz	1.57	0.35			
PM105SB Series (Shielded)								
542	PM105SB-100M-RC	10	2.52MHz	0.06	2.06			
542	PM105SB-120M-RC	12	2.52MHz	0.07	1.94			
542	PM105SB-180M-RC	18	2.52MHz	0.08	1.58			
542	PM105SB-220M-RC	22	2.52MHz	0.08	1.42			
542	PM105SB-270M-RC	27	2.52MHz	0.10	1.32			
542	PM105SB-330L-RC	33	2.52MHz	0.11	1.16			
542	PM105SB-390L-RC	39	2.52MHz	0.12	1.10			
542	PM105SB-470L-RC	47	2.52MHz	0.14	1.00			
542	PM105SB-560L-RC	56	2.52MHz	0.19	0.93			
542	PM105SB-680L-RC	68	2.52MHz	0.21	0.85			
542	PM105SB-820L-RC	82	2.52MHz	0.28	0.79			
542	PM105SB-101K-RC	100	1kHz	0.34	0.72			
542	PM105SB-121K-RC	120	1kHz	0.37	0.63			
542	PM105SB-151K-RC	150	1kHz	0.51	0.55			
542	PM105SB-221K-RC	220	1kHz	0.78	0.47			
542	PM105SB-271K-RC	270	1kHz	0.87	0.41			
542	PM105SB-331K-RC	330	1kHz	1.20	0.37			
542	PM105SB-391K-RC	390	1kHz	1.34	0.35			
542	PM105SB-471K-RC	470	1kHz	1.50	0.33			

HIGH CURRENT SMD POWER INDUCTOR



DIMENSIONS: mm (in.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		L (μH)	DCR Max (Ω)	IDC (A)	Dim. A Max. mm (in.)	Price Each		
Mfr.	Mfr. Part No.					1	10	25
PM2110 Series								
542	PM2110-3R3M-RC	3.3	4	16.0	14.48 / (0.57)			
542	PM2110-5R6M-RC	5.6	5	13.7	14.48 / (0.57)			
542	PM2110-8R2M-RC	8.2	6	12.6	14.48 / (0.57)			
542	PM2110-120K-RC	12	7	11.3	14.48 / (0.57)			
542	PM2110-180K-RC	18	9	10.2	14.48 / (0.57)			
542	PM2110-220K-RC	22	10	9.7	14.48 / (0.57)			
542	PM2110-270K-RC	27	14	8.2	13.72 / (0.54)			
542	PM2110-330K-RC	33	19	7.0	13.21 / (0.52)			
542	PM2110-390K-RC	39	20	6.8	15.75 / (0.62)			
542	PM2110-470K-RC	47	22	6.5	15.75 / (0.62)			
542	PM2110-560K-RC	56	24	6.2	15.75 / (0.62)			
542	PM2110-680K-RC	68	27	5.9	15.75 / (0.62)			
542	PM2110-820K-RC	82	29	5.6	15.75 / (0.62)			
542	PM2110-101K-RC	100	32	5.4	15.75 / (0.62)			
542	PM2110-121K-RC	120	35	5.1	15.75 / (0.62)			
542	PM2110-151K-RC	150	49	4.3	14.99 / (0.59)			
542	PM2110-181K-RC	180	66	3.7	13.46 / (0.53)			
542	PM2110-221K-RC	220	74	3.5	15.24 / (0.60)			
542	PM2110-271K-RC	270	82	3.4	15.24 / (0.60)			
542	PM2110-331K-RC	330	90	3.2	15.24 / (0.60)			
542	PM2110-391K-RC	390	98	3.1	15.24 / (0.60)			
542	PM2110-471K-RC	470	133	2.6	14.48 / (0.57)			
542	PM2110-561K-RC	560	146	2.5	14.48 / (0.57)			
542	PM2110-681K-RC	680	202	2.1	13.72 / (0.54)			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		L (μH)	DCR Max (Ω)	IDC (A)	Dim. A Max. mm (in.)	Price Each		
Mfr.	Mfr. Part No.					1	10	25
PM2110 Series (Cont.)								
542	PM2110-821K-RC	820	221	2.0	15.24 / (0.60)			
542	PM2110-102K-RC	1000	244	1.9	15.24 / (0.60)			
PM2120 Series								
542	PM2120-2R7M-RC	2.7	3	19.7	20.83 / (0.82)			
542	PM2120-3R9M-RC	3.9	4	18.0	20.83 / (0.82)			
542	PM2120-5R6M-RC	5.6	5	15.6	20.83 / (0.82)			
542	PM2120-6R8M-RC	6.8	6	14.7	20.83 / (0.82)			
542	PM2120-8R2M-RC	8.2	6	14.7	20.83 / (0.82)			
542	PM2120-120K-RC	12	8	12.7	20.83 / (0.82)			
542	PM2120-150K-RC	15	9	12.2	20.83 / (0.82)			
542	PM2120-180K-RC	18	9	11.8	20.83 / (0.82)			
542	PM2120-220K-RC	22	11	11.0	20.83 / (0.82)			
542	PM2120-270K-RC	27	12	10.4	20.83 / (0.82)			
542	PM2120-330K-RC	33	13	10.1	20.83 / (0.82)			
542	PM2120-390K-RC	39	14	9.6	20.83 / (0.82)			
542	PM2120-470K-RC	47	19	8.2	20.07 / (0.79)			
542	PM2120-560K-RC	56	21	7.9	20.07 / (0.79)			
542	PM2120-680K-RC	68	29	6.7	19.56 / (0.77)			
542	PM2120-820K-RC	82	32	6.4	22.10 / (0.87)			
542	PM2120-101K-RC	100	35	6.1	22.10 / (0.87)			
542	PM2120-121K-RC	120	39	5.8	22.10 / (0.87)			
542	PM2120-151K-RC	150	43	5.5	22.10 / (0.87)			
542	PM2120-181K-RC	180	47	5.3	21.08 / (0.83)			
542	PM2120-221K-RC	220	52	5.0	21.08 / (0.83)			
542	PM2120-271K-RC	270	72	4.2	20.32 / (0.80)			
542	PM2120-331K-RC	330	100	3.6	19.81 / (0.78)			
542	PM2120-391K-RC	390	108	3.5	19.81 / (0.78)			
542	PM2120-471K-RC	470	119	3.3	21.59 / (0.85)			
542	PM2120-561K-RC	560	130	3.2	21.59 / (0.85)			
542	PM2120-681K-RC	680	142	3.0	21.59 / (0.85)			
542	PM2120-821K-RC	820	157	2.9	21.59 / (0.85)			
542	PM2120-102K-RC	1000	215					

BOURNS/J.W. MILLER High Current Toroidal & Chip Inductors



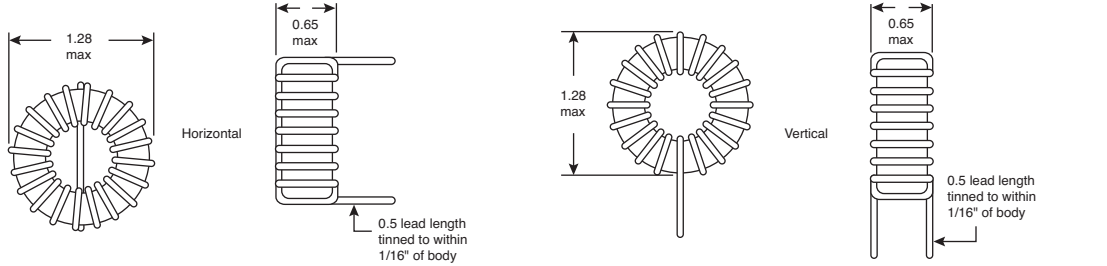
RoHS Compliant This product is RoHS compliant.

J.W. Miller 2300 SERIES

- DC-DC converter, EMI filter applications
- Low radiation
- Low core loss
- High current capacity
- Horizontal or vertical mount
- Operating temperature: -55 to +105°C
- Current to cause 30°C maximum temperature rise



RoHS Compliant



Horizontal Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (μH)	Idc (A)	Resistance (Ohms)	Price Each						
					1	10	25	50	100	250	500
542-2301-H-RC	2301-H-RC	10	20.0	0.005							
542-2302-H-RC	2302-H-RC	12	19.1	0.005							
542-2303-H-RC	2303-H-RC	15	18.0	0.006							
542-2304-H-RC	2304-H-RC	18	17.2	0.006							
542-2305-H-RC	2305-H-RC	22	16.4	0.007							
542-2306-H-RC	2306-H-RC	27	15.6	0.008							
542-2307-H-RC	2307-H-RC	33	11.7	0.013							
542-2308-H-RC	2308-H-RC	39	11.2	0.014							
542-2309-H-RC	2309-H-RC	47	10.7	0.016							
542-2310-H-RC	2310-H-RC	56	10.2	0.017							
542-2311-H-RC	2311-H-RC	68	7.7	0.03							
542-2312-H-RC	2312-H-RC	100	7.0	0.037							
542-2313-H-RC	2313-H-RC	120	6.7	0.04							
542-2314-H-RC	2314-H-RC	150	5.0	0.071							
542-2315-H-RC	2315-H-RC	180	4.8	0.078							
542-2316-H-RC	2316-H-RC	220	5.8	0.054							
542-2317-H-RC	2317-H-RC	270	5.5	0.06							
542-2318-H-RC	2318-H-RC	330	5.2	0.067							
542-2319-H-RC	2319-H-RC	390	5.0	0.072							
542-2320-H-RC	2320-H-RC	470	3.8	0.13							
542-2321-H-RC	2321-H-RC	560	3.6	0.14							
542-2322-H-RC	2322-H-RC	680	3.4	0.15							
542-2323-H-RC	2323-H-RC	820	2.6	0.27							
542-2324-H-RC	2324-H-RC	1000	2.4	0.3							

Vertical Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (μH)	Idc (A)	Resistance (Ohms)	Price Each						
					1	10	25	50	100	250	500
542-2301-V-RC	2301-V-RC	10	20.0	0.005							
542-2302-V-RC	2302-V-RC	12	19.1	0.005							
542-2303-V-RC	2303-V-RC	15	18.0	0.006							
542-2304-V-RC	2304-V-RC	18	17.2	0.006							
542-2305-V-RC	2305-V-RC	22	16.4	0.007							
542-2306-V-RC	2306-V-RC	27	15.6	0.008							
542-2307-V-RC	2307-V-RC	33	11.7	0.013							
542-2308-V-RC	2308-V-RC	39	11.2	0.014							
542-2309-V-RC	2309-V-RC	47	10.7	0.016							
542-2310-V-RC	2310-V-RC	56	10.2	0.017							
542-2311-V-RC	2311-V-RC	68	7.7	0.03							
542-2312-V-RC	2312-V-RC	100	7.0	0.037							
542-2313-V-RC	2313-V-RC	120	6.7	0.04							
542-2314-V-RC	2314-V-RC	150	5.0	0.071							
542-2315-V-RC	2315-V-RC	180	4.8	0.078							
542-2316-V-RC	2316-V-RC	220	5.8	0.054							
542-2317-V-RC	2317-V-RC	270	5.5	0.06							
542-2318-V-RC	2318-V-RC	330	5.2	0.067							
542-2319-V-RC	2319-V-RC	390	5.0	0.072							
542-2320-V-RC	2320-V-RC	470	3.8	0.13							
542-2321-V-RC	2321-V-RC	560	3.6	0.14							
542-2322-V-RC	2322-V-RC	680	3.4	0.15							
542-2323-V-RC	2323-V-RC	820	2.6	0.27							
542-2324-V-RC	2324-V-RC	1000	2.4	0.3							

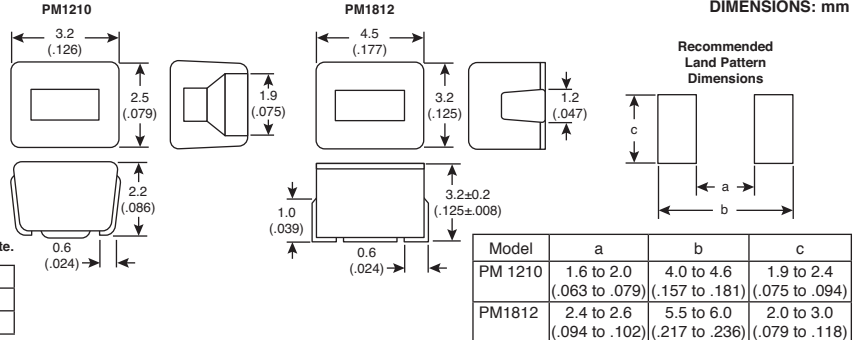
J.W. Miller PM1812 SERIES CHIP INDUCTORS

- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat and moisture
- Operating temperature -55 to +105°C
- Current to cause 20°C maximum temperature rise
- Tape & reel packaged 500/reel



For quantities greater than listed, call for quote.

	Price Each							
	1	10	25	50	100	250	500	1000



MOUSER STOCK NO.	J. W. Miller Part No.	L (μH) ±10%	Q Min	Test Freq. (Mhz)	SRF (Mhz) Min.	DCR (Ω) Max.	I, DC (mA)
542-PM1812-R12K-RC	PM1812-R12K-RC	0.12	30	25.2	280	0.2	770
542-PM1812-R15K-RC	PM1812-R15K-RC	0.15	30	25.2	250	0.22	730
542-PM1812-R18K-RC	PM1812-R18K-RC	0.18	30	25.2	220	0.24	700
542-PM1812-R22K-RC	PM1812-R22K-RC	0.22	30	25.2	200	0.25	665
542-PM1812-R27K-RC	PM1812-R27K-RC	0.27	30	25.2	180	0.26	635
542-PM1812-R33K-RC	PM1812-R33K-RC	0.33	30	25.2	165	0.28	605
542-PM1812-R39K-RC	PM1812-R39K-RC	0.39	30	25.2	150	0.3	575
542-PM1812-R47K-RC	PM1812-R47K-RC	0.47	30	25.2	145	0.32	545
542-PM1812-R56K-RC	PM1812-R56K-RC	0.56	30	25.2	140	0.36	520
542-PM1812-R68K-RC	PM1812-R68K-RC	0.68	30	25.2	135	0.4	500
542-PM1812-R82K-RC	PM1812-R82K-RC	0.82	30	25.2	130	0.45	475
542-PM1812-1R0J-RC	PM1812-1R0J-RC	1	50	7.96	100	0.5	450
542-PM1812-1R2J-RC	PM1812-1R2J-RC	1.2	50	7.96	80	0.55	430
542-PM1812-1R5J-RC	PM1812-1R5J-RC	1.5	50	7.96	70	0.6	410
542-PM1812-1R8J-RC	PM1812-1R8J-RC	1.8	50	7.96	60	0.65	390
542-PM1812-2R2J-RC	PM1812-2R2J-RC	2.2	50	7.96	55	0.7	380
542-PM1812-2R7J-RC	PM1812-2R7J-RC	2.7	50	7.96	50	0.75	370
542-PM1812-3R3J-RC	PM1812-3R3J-RC	3.3	50	7.96	45	0.8	355
542-PM1812-3R9J-RC	PM1812-3R9J-RC	3.9	50	7.96	40	0.9	330
542-PM1812-4R7J-RC	PM1812-4R7J-RC	4.7	50	7.96	35	1	315
542-PM1812-5R6J-RC	PM1812-5R6J-RC	5.6	50	7.96	33	1.1	300
542-PM1812-6R8J-RC	PM1812-6R8J-RC	6.8	50	7.96	27	1.2	285
542-PM1812-8R2J-RC	PM1812-8R2J-RC	8.2	50	7.96	25	1.4	270
542-PM1812-10J-RC	PM1812-10J-RC	10	50	2.52	20	1.6	250

MOUSER STOCK NO.	J. W. Miller Part No.	L (μH) ±10%	Q Min	Test Freq. (Mhz)	SRF (Mhz) Min.	DCR (Ω) Max.	I, DC (mA)
542-PM1812-150J-RC	PM1812-150J-RC	15	50	2.52	17	2.5	200
542-PM1812-180J-RC	PM1812-180J-RC	18	50	2.52	15	2.8	190
542-PM1812-220J-RC	PM1812-220J-RC	22	50	2.52	13	3.2	180
542-PM1812-270J-RC	PM1812-270J-RC	27	50	2.52	12	3.6	170
542-PM1812-330J-RC	PM1812-330J-RC	33	50	2.52	11	4	160
542-PM1812-390J-RC	PM1812-390J-RC	39	50	2.52	10	4.5	150
542-PM1812-470J-RC	PM1812-470J-RC	47	50	2.52	10	5	140
542-PM1812-560J-RC	PM1812-560J-RC	56	50	2.52	9	5.5	135
542-PM1812-680J-RC	PM1812-680J-RC	68	50	2.52	9	6	130
542-PM1812-820J-RC	PM1812-820J-RC	82	50	2.52	8	7	120
542-PM1812-101J-RC	PM1812-101J-RC	100	40	0.796	7	8	110
542-PM1812-121J-RC	PM1812-121J-RC	120	40	0.796	6	8	110
542-PM1812-151J-RC	PM1812-151J-RC	150	40	0.796	5	9	105
542-PM1812-181J-RC	PM1812-181J-RC	180	40	0.796	5	9.5	102
542-PM1812-221J-RC	PM1812-221J-RC	220	40	0.796	4	10	100
542-PM1812-271J-RC	PM1812-271J-RC	270	30	0.796	3	12	92
542-PM1812-331J-RC	PM1812-331J-RC	330	30	0.796	3	14	85
542-PM1812-391J-RC	PM1812-391J-RC	390	30	0.796	3	18	80
542-PM1812-471J-RC	PM1812-471J-RC	470	30	0.796	3	26	62
542-PM1812-561J-RC	PM1812-561J-RC	560	30	0.796	2	30	50
542-PM1812-681J-RC	PM1812-681J-RC	680	30	0.796	2	35	50
542-PM1812-821J-RC	PM1812-821J-RC	820	30	0.796	2	35	30
542-PM1812-102J-RC	PM1812-102J-RC	1000	30	0.796	2	40	30

BOURNS/J.W. MILLER Chokes

J.W. Miller 77F SERIES CONFORMAL COATED CHOKES

Specifications:

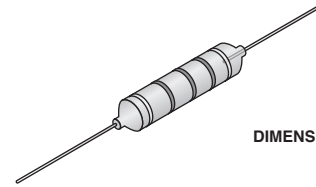
- Epoxy coated
- Working voltage: 250VDC (max.)
- Operating temperature: -20°C to +105°C
- Core material: ferrite
- Leads: tinned copper wire
- High Q and self resonant frequency
- Low DCR
- Dielectric strength 500Vrms
- Color bands (EIA standard)



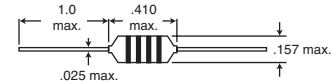
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	L (μH)	Inductive Tolerance	Q Min	Test Freq MHz	SFR Min. MHz	DCR Min. Ohms	Idc Max mA	Price Each				
									1	50	100	500	1000
542-77F68-RC	77F68K-RC	6.8	10%	75	7.9	68	0.48	550					
652-77F100K-TR-RC	77F100K-TR-RC	10	10%	85	7.9	45	0.58	500					
542-77F270-RC	77F270K-RC	27	10%	55	2.5	7.6	0.94	390					
542-77F330-RC	77F330J-RC	33	5%	55	2.5	6.3	1.03	370					
542-77F470-RC	77F470J-RC	47	5%	45	2.5	6.3	1.22	340					
542-77F820-RC	77F820J-RC	82	5%	35	2.5	5.3	1.62	290					
652-77F221J-TR-RC	77F221J-TR-RC	220	5%	70	0.79	3	5.1	155					
542-77F331-RC	77F331J-RC	330	5%	65	0.79	2.6	6.4	137					
542-77F391-RC	77F391J-RC	390	5%	65	0.79	2.4	7	133					
542-77F102-RC	77F102J-RC	1000	5%	50	0.79	1.4	14	100					



DIMENSIONS: in.



J.W. Miller 78F SERIES CONFORMAL COATED CHOKES

Specifications:

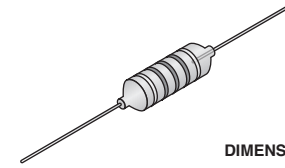
- Epoxy coated
- Working voltage: 250VDC (max.)
- Operating temperature: -20°C to +105°C
- Core material: ferrite
- Leads: tinned copper wire
- High Q and self resonant frequency
- Low DCR
- Dielectric strength 500Vrms
- Color bands (EIA standard)



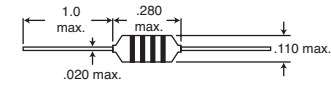
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	L (μH)	Inductive Tolerance	Q Min	Test Freq MHz	SFR Min. MHz	DCR Min. Ohms	Idc Max mA	Price Each				
									1	50	100	500	1000
542-78FR68-RC	78FR68-RC	0.68	10%	40	25	230	0.13	900					
542-78F1R0-RC	78F1R0-RC	1.0	10%	40	25	180	0.15	815					
542-78F1R8-RC	78F1R8-RC	1.8	10%	50	7.9	125	0.23	655					
542-78F2R7-RC	78F2R7-RC	2.7	10%	50	7.9	95	0.28	595					
542-78F3R3-RC	78F3R3-RC	3.3	5%	50	7.9	60	0.30	575					
542-78F4R7-RC	78F4R7-RC	4.7	5%	45	7.9	38	0.35	530					
542-78F8R2-RC	78F8R2-RC	8.2	5%	40	7.9	20	0.55	425					
542-78F100-RC	78F100-RC	10	5%	40	7.9	18	0.75	370					
542-78F120-RC	78F120-RC	12	5%	45	2.5	16	0.80	350					
542-78F220-RC	78F220-RC	22	5%	50	2.5	13	1.20	285					
542-78F270-RC	78F270-RC	27	5%	50	2.5	11	1.35	270					
542-78F330-RC	78F330-RC	33	5%	50	2.5	10	1.50	255					
542-78F390-RC	78F390-RC	39	5%	50	2.5	9.50	1.70	240					
542-78F470-RC	78F470-RC	47	5%	60	2.5	8.50	2.70	205					
542-78F101-RC	78F101-RC	100	5%	60	2.5	5.50	4.10	165					
542-78F121-RC	78F121-RC	120	5%	60	0.79	5.40	4.70	160					
542-78F221-RC	78F221-RC	220	5%	60	0.79	4.00	6.80	130					
542-78F471-RC	78F471-RC	470	5%	60	0.79	2.55	14.00	90					



DIMENSIONS: in.



J.W. Miller 9230 SERIES MOLDED RF CHOKES

Specifications:

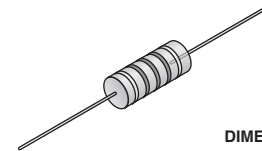
- Meets MIL Spec: MIL-C-15305, MS75083, MS75084, MS75085
- Inductive tolerance: ±10%
- Miniature size
- Injection molded
- Flame retardant
- Dielectric strength 1000VRMS
- Operating temperature: -55°C to +125°C



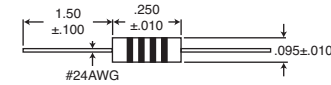
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	L (μH)	Q Min	Test Freq MHz	SFR Min. MHz	DCR Min. Ohms	Idc Max mA	Price Each				
								1	50	100	500	1000
542-9230-94-RC	9230-94-RC	0.1	40	25	690	0.07	1100					
542-9230-00-RC	9230-00-RC	0.15	38	25	600	0.1	1100					
542-9230-04-RC	9230-04-RC	0.22	33	25	510	0.14	935					
542-9230-10-RC	9230-10-RC	0.39	30	25	380	0.3	640					
542-9230-12-RC	9230-12-RC	0.47	30	25	340	0.35	590					
542-9230-14-RC	9230-14-RC	0.56	30	25	300	0.5	495					
542-9230-16-RC	9230-16-RC	0.68	28	25	275	0.6	450					
542-9230-20-RC	9230-20-RC	1	25	25	230	1	350					
542-9230-32-RC	9230-32-RC	3.3	45	7.9	90	0.85	380					
542-9230-34-RC	9230-34-RC	3.9	45	7.9	82	1	350					
542-9230-36-RC	9230-36-RC	4.7	45	7.9	75	1.2	320					
542-9230-44-RC	9230-44-RC	10	55	7.9	50	3.7	180					
542-9230-52-RC	9230-52-RC	22	50	2.5	25	3.3	190					
542-9230-56-RC	9230-56-RC	33	45	2.5	24	3.4	187					
542-9230-64-RC	9230-64-RC	68	50	2.5	15	6.7	135					
542-9230-68-RC	9230-68-RC	100	50	2.5	13	8	125					
542-9230-70-RC	9230-70-RC	120	30	0.79	12	13	97					



DIMENSIONS: in.



J.W. Miller 9250 SERIES SHIELDED MOLDED RF CHOKES

Specifications:

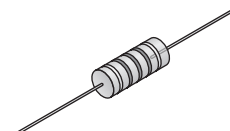
- Meets MIL Spec: MIL-C-15305, MS75088, MS75089, MS90537
- Inductive tolerance: ±10%
- High Q, high reliability
- Magnetic shielded for low radiation
- Injection molded
- Flame retardant
- Dielectric strength 1000VRMS
- Operating temperature: -55°C to +125°C



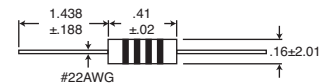
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	L (μH)	Q Min	Test Freq MHz	SFR Min. MHz	DCR Min. Ohms	Idc Max mA	Price Each				
								1	50	100	500	1000
652-9250A-102-RC	9250-102-RC	1	44	25	140	0.07	1070					
652-9250A-222-RC	9250-222-RC	2.2	44	7.9	100	0.19	650					
652-9250A-472-RC	9250-472-RC	4.7	44	7.9	70	0.55	380					
652-9250A-103-RC	9250-103-RC	10	50	7.9	46	1.62	220					
652-9250A-223-RC	9250-223-RC	22	45	2.5	41	0.96	290					
652-9250A-473-RC	9250-473-RC	47	50	2.5	27	2.11	195					
652-9250A-104-RC	9250-104-RC	100	50	2.5	10	3.12	160					
652-9250A-224-RC	9250-224-RC	220	55	0.79	7.5	5	125					
652-9250A-474-RC	9250-474-RC	470	60	0.79	5.7	9.5	92					
652-9250A-105-RC	9250-105-RC	1000	60	0.79	3.8	17.5	70					
652-9250A-225-RC	9250-225-RC	2200	45	0.25	0.97	33.8	50					



DIMENSIONS: in.



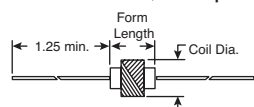
BOURNS/J.W. MILLER Chokes and Coils



J.W. Miller 70F SERIES RF CHOKES

- Specifications:**
- Varnish impregnated
 - Core material: $L \leq 15000\mu\text{H}$, iron
 - $L \geq 33000\mu\text{H}$, ferrite

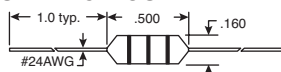
RoHS Compliant



RoHS Compliant This product is RoHS compliant.

J.W. Miller MINIATURE HIGH CURRENT RF CHOKES

- Specifications:**
- Epoxy conformal coated
 - Operating temperature: -55°C to $+105^{\circ}\text{C}$



RoHS Compliant

DIMENSIONS: in.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (μH)	Q Min.	Fo Min.	Rdc Max. Ohms	Idc Max mA	Coil Dia. Max.	Form Length	Price Each		
								1	25	50
542-70F106-RC	1.0	41	118.0	0.048	2041	.165	.25			
542-70F226-RC	2.2	43	87.0	0.156	1132	.16	.25			
542-70F336-RC	3.3	40	66.0	0.24	912	.15	.25			
542-70F476-RC	4.7	43	53.0	0.457	661	.15	.25			
542-70F686-RC	6.8	40	49.0	0.624	566	.15	.25			
542-70F105-RC	10	36	19.0	1.56	277	.16	.25			
542-70F225-RC	22	51	13.0	2.28	229	.165	.25			
542-70F335-RC	33	50	10.0	2.76	208	.17	.25			
542-70F395-RC	39	48	9.3	3.36	188	.175	.25			
542-70F475-RC	47	44	9.1	3.36	188	.175	.25			
542-70F104-RC	100	25	3.6	7.68	139	.165	.25			
542-70F474-RC	470	35	1.8	16.3	95	.185	.25			
542-70F504-RC	500	49	1.8	18.0	91	.195	.25			
542-70F824-RC	820	33	1.6	22.9	80	.21	.25			
542-70F103-RC	1000	30	1.4	24.0	79	.225	.25			
542-70F223-RC	2200	40	0.96	45.6	57	.24	.25			
542-70F253-RC	2500	48	0.96	45.6	57	.26	.38			
542-70F333-RC	3300	52	0.8	51.6	53	.26	.38			
542-70F473-RC	4700	49	0.68	64.8	48	.285	.38			
542-70F102-RC	10000	41	0.52	101.0	38	.335	.38			
542-70F152-RC	15000	50	0.32	113.0	47	.3	.50			
542-70F332-RC	33000	61	0.232	134.0	43	.353	.63			
542-70F502-RC	50000	57	0.196	175.0	37	.4	.63			
542-70F101-RC	100000	48	0.157	278.0	29	.446	.63			

5300 Series

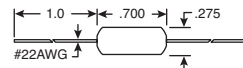
DIMENSIONS: in.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (μH)	Inductive Tolerance	Incr I mA	Fo Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
							1	25	50
542-5300-01-RC	1.0	10%	3000	190.0	0.018	3300			
542-5300-03-RC	1.5	10%	2500	160.0	0.020	3100			
542-5300-10-RC	5.6	10%	1300	64.0	0.074	1600			
542-5300-13-RC	10	10%	970	25.0	0.095	1500			
542-5300-17-RC	22	10%	640	8.4	0.19	1000			
542-5300-19-RC	33	10%	530	7.6	0.24	910			
542-5300-21-RC	47	10%	430	6.0	0.35	760			
542-5300-25-RC	100	10%	300	3.9	0.67	550			
542-5300-27-RC	150	10%	250	3.2	1.2	410			
542-5300-29-RC	220	10%	200	2.3	1.9	320			
542-5300-32-RC	390	10%	150	1.7	3.0	260			
542-5300-33-RC	470	10%	140	1.4	3.4	240			

J.W. Miller HIGH CURRENT RF CHOKES

- Specifications:**
- Coils finished with sleeving VW1 Rated
 - Inductance measured @ 1kHz
 - Operating temperature: -55°C to $+105^{\circ}\text{C}$



RoHS Compliant

5800 Series

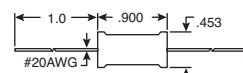
DIMENSIONS: in.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (μH)	Inductive Tolerance	Rdc Max. Ohms @ $+20^{\circ}\text{C}$	Saturation Current DC Amps	Suggested Rated Current AC	Price Each		
						1	25	50
542-5800-3R9-RC	3.9	10%	0.019	7.3	1.28			
542-5800-8R2-RC	8.2	10%	0.028	4.5	1.28			
542-5800-100-RC	10	10%	0.033	4.1	1.28			
542-5800-470-RC	47	10%	0.109	1.8	0.804			
542-5800-560-RC	56	10%	0.140	1.7	0.804			
542-5800-820-RC	82	10%	0.152	1.4	0.804			
542-5800-101-RC	100	10%	0.208	1.2	0.632			
542-5800-121-RC	120	10%	0.283	1.1	0.508			
542-5800-151-RC	150	10%	0.340	1.0	0.508			
542-5800-181-RC	180	10%	0.362	0.95	0.508			
542-5800-221-RC	220	10%	0.430	0.86	0.508			
542-5800-271-RC	270	10%	0.557	0.77	0.400			
542-5800-331-RC	330	10%	0.665	0.70	0.400			
542-5800-391-RC	390	10%	0.772	0.64	0.400			
542-5800-471-RC	470	10%	1.15	0.59	0.315			
542-5800-102-RC	1000	10%	2.30	0.40	0.200			
542-5800-152-RC	1500	10%	3.45	0.33	0.158			
542-5800-222-RC	2200	10%	4.48	0.27	0.158			
542-5800-472-RC	4700	10%	10.5	0.18	0.100			
542-5800-682-RC	6800	10%	16.3	0.151	0.082			
542-5800-103-RC	10000	10%	26.4	0.125	0.050			

Special Features:

- High current capacity
- Low DCR
- Ferrite bobbin core



RoHS Compliant

5900 Series

DIMENSIONS: in.

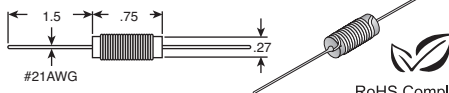
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (μH)	Inductive Tolerance	Rdc Max. Ohms @ $+20^{\circ}\text{C}$	Saturation Current DC Amps	Suggested Rated Current AC	Price Each		
						1	25	50
542-5900-100-RC	10	10%	0.017	8.70	4.0			
542-5900-220-RC	22	10%	0.026	6.07	4.0			
542-5900-470-RC	47	10%	0.035	3.98	4.0			
542-5900-560-RC	56	10%	0.037	3.66	3.2			
542-5900-101-RC	100	10%	0.090	2.79	1.6			
542-5900-121-RC	120	10%	0.113	2.54	1.6			
542-5900-151-RC	150	10%	0.129	2.22	1.6			
542-5900-221-RC	220	10%	0.162	1.89	1.6			
542-5900-271-RC	270	10%	0.208	1.63	1.6			
542-5900-331-RC	330	10%	0.212	1.51	1.6			
542-5900-391-RC	390	10%	0.281	1.39	1.6			
542-5900-471-RC	470	10%	0.380	1.24	1.2			
542-5900-681-RC	680	10%	0.548	1.05	1.0			
542-5900-102-RC	1000	10%	0.844	0.87	0.8			
542-5900-152-RC	1500	10%	1.18	0.70	0.6			
542-5900-472-RC	4700	10%	3.19	0.39	0.4			
542-5900-682-RC	6800	10%	5.69	0.322	0.250			
542-5900-103-RC	10000	10%	7.30	0.266	0.250			

J.W. Miller AXIAL LEADED RF CHOKES

Phenolic Core

- Specifications:**
- Inductive tolerance: $\pm 10\%$ (except 542-4602 is $\pm 20\%$)
 - Varnish impregnated



RoHS Compliant

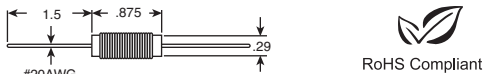
DIMENSIONS: in.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (μH)	Q Min.	Test Freq MHz	Fo Min. MHz	Rdc Max.	Idc Max mA	Price Each		
							1	25	50
542-4602-RC	1.0	60	7.9	190	.05	2000			
542-4604-RC	1.5	58	7.9	149	.093	1800			
542-4606-RC	2.4	56	7.9	120	.19	1500			
542-4608-RC	3.9	60	7.9	93	.45	1000			
542-4609-RC	5.5	57	7.9	80	.67	850			
542-4610-RC	6.2	57	7.9	76	.83	700			
542-4611-RC	8.2	57	7.9	65	1.2	600			
542-4612-RC	10.0	36	2.5	61	1.5	500			

Iron Core

- Specifications:**
- Inductive tolerance: $\pm 5\%$
 - Varnish impregnated



RoHS Compliant

DIMENSIONS: in.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (μH)	Q Min.	Test Freq MHz	Fo Min. MHz	Rdc Max.	Idc Max mA	Price Each		
							1	25	50
542-4622-RC	10	69	2.5	40	0.11	1500			
542-4624-RC	15	62	2.5	33	0.17	1000			
542-4626-RC	24	65	2.5	25	0.34	800			
542-4629-RC	55	72	2.5	17	1.0	500			
542-4630-RC	62	83	2.5	16	1.2	475			
542-4631-RC	82	85	2.5	13	1.9	450			
542-4632-RC	100	107	.79	12	3.0	400			

J.W. Miller HEAVY DUTY HASH CHOKES

Special Features:

- Low cost, low DCR
- High current capacity
- Varnish coated
- Operating temperature: -55°C to $+105^{\circ}\text{C}$
- Ideal for use as EMI filter, output choke, smoothing coil
- Current to cause 10% maximum inductance drop or 35% maximum temperature rise

Specifications:

- $L \leq 4\mu\text{H}$ measured on Q meter @ 7.9MHz
- $L \geq 40\mu\text{H}$ measured on 1kHz bridge
- Inductive tolerance: $\pm 20\%$



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (μH)	Rdc Max. Ohms	Idc Max Amps	Coil Dia. Max.	Form Length	Core Material	Price Each		
							1	25	50
542-5218-RC	3.35	.01	20	.6	1.25	Iron			
542-5219-RC	4.9	.016	15	.6	1.25	Iron			
542-5220-RC	8.8	.021	10	.56	1.25	Iron			
542-5230-RC	4	.012	8	.38	.875	Ferrite			
542-5240-RC	40	.082	3	.31	1.25	Ferrite			
542-5248-RC	68	.054	5	.56	1.25	Ferrite			
542-5250-RC	100	.216	2	.38	1.25	Ferrite			
542-5252-RC	125	.08	3.5	.5	1.25	Ferrite			
542-5254-RC	250	.17	2.5	.44	1.25	Ferrite			
542-5256-RC	500	.26	2	.56	1.25	Ferrite			
542-5258-RC	1000	.55							

COILCRAFT Air Core Inductors



This page of product is RoHS compliant.

1010VS, 1212VS, 2014VS SERIES - HIGH CURRENT AIR CORE INDUCTORS

Features:

- Operating Temperature Range: -40°C to +125°C
- Excellent Q factors – up to 230 at 400MHz
- Current handling as high as 57A



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-1010VS-23NMEB	1010VS-23NMEB	23.5	26	1.2	923			
994-1010VS-46NMEB	1010VS-46NMEB	46.5	25.5	1.62	526			
994-1010VS-79NMEB	1010VS-79NMEB	79	25	2.11	386			
994-1010VS-111MEB	1010VS-111MEB	111	22	2.73	382			
994-1010VS-141MEB	1010VS-141MEB	146	19.3	3.33	433			
994-1212VS-22NMEB	1212VS-22NMEB	22	57	0.55	918			
994-1212VS-42NMEB	1212VS-42NMEB	42	52	0.77	557			
994-1212VS-66NMEB	1212VS-66NMEB	66	48	0.99	480			
994-1212VS-90NMEB	1212VS-90NMEB	90	45	1.21	444			
994-1212VS-111MEB	1212VS-111MEB	117	44	1.43	399			
994-2014VS-33NMEB	2014VS-33NMEB	33	43	0.74	620			
994-2014VS-66NMEB	2014VS-66NMEB	66	42.5	1	413			
994-2014VS-111MEB	2014VS-111MEB	108	42	1.34	320			
994-2014VS-151MEB	2014VS-151MEB	155	39.7	1.6	296			
994-2014VS-201MEB	2014VS-201MEB	202	35.8	1.82	262			
994-2014VS-251MEB	2014VS-251MEB	257	34.5	2.15	230			

MICRO SPRING™ AIR CORE FIXED RF SMD INDUCTORS

Common Features:

- Operating Temperature Range: -40°C to +125°C
- Q Minimum: 100
- Test Frequency: 800MHz



0906 Series

Features:

- Dimensions (LxWxH): 3.43mm x 2.41mm x 1.52mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 2%								
994-0906-3GLB	0906-3GLB	2.55	1.6	5	8200			
994-0906-4GLB	0906-4GLB	3.85	1.6	6	7500			
994-0906-5GLB	0906-5GLB	5.4	1.6	8	7000			
Tolerance: 5%								
994-0906-3JLB	0906-3JLB	2.55	1.6	5	8200			
994-0906-4JLB	0906-4JLB	3.85	1.6	6	7500			
994-0906-5JLB	0906-5JLB	5.4	1.6	8	7000			
Tolerance: 10%								
994-0906-2KLB	0906-2KLB	1.65	1.6	4	10000			

1606 Series

Features:

- Dimensions (LxWxH): 4.19mm x 3.43mm x 1.58mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 2%								
994-1606-6GLB	1606-6GLB	5.6	1.6	9	6500			
994-1606-7GLB	1606-7GLB	7.15	1.6	10	6000			
994-1606-8GLB	1606-8GLB	8.8	1.6	12	6000			
994-1606-9GLB	1606-9GLB	9.85	1.6	13	5200			
994-1606-10GLB	1606-10GLB	12.55	1.6	14	4600			
Tolerance: 5%								
994-1606-6JLB	1606-6JLB	5.6	1.6	9	6500			
994-1606-7JLB	1606-7JLB	7.15	1.6	10	6000			
994-1606-8JLB	1606-8JLB	8.8	1.6	12	6000			
994-1606-9JLB	1606-9JLB	9.85	1.6	13	5200			
994-1606-10JLB	1606-10JLB	12.55	1.6	14	4600			

1812SMS SERIES - MIDI SPRING® AIR CORE RF FIXED SMD INDUCTORS

Features:

- Operating Temperature Range: -40°C to +125°C
- Test Frequency: 150MHz
- Q Minimum: 100
- Dimensions (LxWxH): 6.35mm x 4.95mm x 4.2mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 2%								
994-1812SMS-22NGLB	1812SMS-22NGLB	22	3	4.2	3200			
994-1812SMS-27NGLB	1812SMS-27NGLB	27	3.5	4	2700			
994-1812SMS-33NGLB	1812SMS-33NGLB	33	3	4.8	2500			
994-1812SMS-39NGLB	1812SMS-39NGLB	39	3	4.4	2100			
994-1812SMS-47NGLB	1812SMS-47NGLB	47	3	5.6	2100			
994-1812SMS-56NGLB	1812SMS-56NGLB	56	3	6.2	1500			
994-1812SMS-68NGLB	1812SMS-68NGLB	68	2.5	8.2	1500			
994-1812SMS-82NGLB	1812SMS-82NGLB	82	2.5	9.4	1300			
994-1812SMS-R10GLB	1812SMS-R10GLB	100	1.7	12.3	1200			
994-1812SMS-R12GLB	1812SMS-R12GLB	120	1.5	17.3	1100			
994-1812SMS-R15GLB	1812SMS-R15GLB	150	1.2	33	750			
Tolerance: 5%								
994-1812SMS-22NJLB	1812SMS-22NJLB	22	3	4.2	3200			
994-1812SMS-27NJLB	1812SMS-27NJLB	27	3.5	4	2700			
994-1812SMS-33NJLB	1812SMS-33NJLB	33	3	4.8	2500			
994-1812SMS-39NJLB	1812SMS-39NJLB	39	3	4.4	2100			
994-1812SMS-47NJLB	1812SMS-47NJLB	47	3	5.6	2100			
994-1812SMS-56NJLB	1812SMS-56NJLB	56	3	6.2	1500			
994-1812SMS-68NJLB	1812SMS-68NJLB	68	2.5	8.2	1500			
994-1812SMS-82NJLB	1812SMS-82NJLB	82	2.5	9.4	1300			
994-1812SMS-R10JLB	1812SMS-R10JLB	100	1.7	12.3	1200			
994-1812SMS-R12JLB	1812SMS-R12JLB	120	1.5	17.3	1100			
994-1812SMS-R15JLB	1812SMS-R15JLB	150	1.2	33	750			

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LOW PROFILE MINI SPRING™ AIR CORE FIXED RF SMD INDUCTORS

Common Features:

- Operating Temperature Range: -40°C to +125°C
- Test Frequency: 250MHz



1508 Series

Features:

- Dimensions (LxWxH): 4.19mm x 3.94mm x 2.01mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 2%								
994-1508-5N5GLB	1508-5N5GLB	5.5	4	2.6	5000			
994-1508-9N0GLB	1508-9N0GLB	9	4	3.4	4000			
994-1508-13NGLB	1508-13NGLB	13	4	3.9	3000			
Tolerance: 5%								
994-1508-5N5JLB	1508-5N5JLB	5.5	4	2.6	5000			
994-1508-9N0JLB	1508-9N0JLB	9	4	3.4	4000			
994-1508-13NJLB	1508-13NJLB	13	4	3.9	3000			

2508 Series

Features:

- Q Minimum: 110
- Dimensions (LxWxH): 6.86mm x 4.19mm x 2.01mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 2%								
994-2508-16NGLB	2508-16NGLB	16	4	5.2	3000			
994-2508-18NGLB	2508-18NGLB	18	4	6	2900			
994-2508-23NGLB	2508-23NGLB	23	4	6.8	2600			
994-2508-27NGLB	2508-27NGLB	27	4	7.9	2300			
Tolerance: 5%								
994-2508-16NJLB	2508-16NJLB	16	4	5.2	3000			
994-2508-18NJLB	2508-18NJLB	18	4	6	2900			
994-2508-23NJLB	2508-23NJLB	23	4	6.8	2600			
994-2508-27NJLB	2508-27NJLB	27	4	7.9	2300			

MINI SPRING™ AIR CORE RF FIXED SMD INDUCTORS

Common Features:

- Operating Temperature Range: -40°C to +125°C
- Test Frequency: 150MHz



A0XT Series

Features:

- Dimensions (LxWxH): 4.45mm x 3.94mm x 3.15mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 2%								
994-A02TGLB	A02TGLB	5	4	1.8	6500			
994-A03TGLB	A03TGLB	8	4	2.6	5000			
994-A04TGLB	A04TGLB	12.5	4	3.4	3300			
994-A05TGLB	A05TGLB	18.5	4	3.9	2500			
Tolerance: 5%								
994-A02TJLB	A02TJLB	5	4	1.8	6500			
994-A03TJLB	A03TJLB	8	4	2.6	5000			
994-A04TJLB	A04TJLB	12.5	4	3.4	3300			
994-A05TJLB	A05TJLB	18.5	4	3.9	2500			
Tolerance: 10%								
994-A01TKLB	A01TKLB	2.5	4	1.1	12500			

BXXT Series

Features:

- Dimensions (LxWxH): 6.86mm x 4.45mm x 3.15mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 2%								
994-B06TGLB	B06TGLB	17.5	4	4.5	2200			
994-B07TGLB	B07TGLB	22	4	5.2	2100			
994-B08TGLB	B08TGLB	28	4	6	1800			
994-B09TGLB	B09TGLB	35.5	4	6.8	1500			
994-B10TGLB	B10TGLB	43	4	7.9	1200			
Tolerance: 5%								
994-B06TJLB	B06TJLB	17.5	4	4.5	2200			
994-B07TJLB	B07TJLB	22	4	5.2	2100			
994-B08TJLB	B08TJLB	28	4	6	1800			
994-B09TJLB	B09TJLB	35.5	4	6.8	1500			
994-B10TJLB	B10TJLB	43	4	7.9	1200			

132-XXSM SERIES - MAXI SPRING™ AIR CORE RF FIXED SMD INDUCTORS

Features:

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 10.55mm x 6.6mm x 5.97mm
- Test Frequency: 50MHz



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 2%								
994-132-09SMGLB	132-09SMGLB	90	3.5	15	1140			
994-132-10SMGLB	132-10SMGLB	111	3.5	15	1020			
994-132-11SMGLB	132-11SMGLB	130	3	20	900			
994-132-12SMGLB	132-12SMGLB	169	3	25	875			

COILCRAFT Air Core and Ferrite Chip Inductors



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GA309X-AL SERIES - HIGH CURRENT AIR CORE RF FIXED SMD INDUCTORS



- Features:**
- Operating Temperature Range: -40°C to +125°C
 - Test Frequency: 150MHz
 - Tolerance: 5%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-GA3092-ALB	GA3092-ALB	3.7	7	2	17500			
994-GA3093-ALB	GA3093-ALB	6.6	7	2	5800			
994-GA3094-ALB	GA3094-ALB	12	7	2	2400			
994-GA3095-ALB	GA3095-ALB	17.5	7	2	2200			

SQUARE AIR CORE RF FIXED SMD INDUCTORS

- Common Features:**
- Operating Temperature Range: -40°C to +125°C



0806SQ Series

- Features:**
- Test Frequency: 400MHz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-0806SQ-5N5GLB	0806SQ-5N5GLB	5.5	2.9	3.4	4900			
994-0806SQ-6N0GLB	0806SQ-6N0GLB	6	2.9	6	5200			
994-0806SQ-8N9GLB	0806SQ-8N9GLB	8.9	2.9	7	4300			
994-0806SQ-12NGLB	0806SQ-12NGLB	12.3	2.9	8	4800			
994-0806SQ-16NGLB	0806SQ-16NGLB	15.7	2.9	9	4400			
994-0806SQ-19NGLB	0806SQ-19NGLB	19.4	2.9	10	4000			

0807SQ Series

- Features:**
- Test Frequency: 400MHz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-0807SQ-6N9GLB	0807SQ-6N9GLB	6.9	2.7	6	4600			
994-0807SQ-10NGLB	0807SQ-10NGLB	10.2	2.7	7	4000			
994-0807SQ-11NGLB	0807SQ-11NGLB	11.2	2.7	6.3	3600			
994-0807SQ-14NGLB	0807SQ-14NGLB	13.7	2.7	8	4300			
994-0807SQ-17NGLB	0807SQ-17NGLB	17	2.7	9	4000			
994-0807SQ-22NGLB	0807SQ-22NGLB	22	2.7	10	3500			

0908SQ Series

- Features:**
- Test Frequency: 400MHz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-0908SQ-8N1GLB	0908SQ-8N1GLB	8.1	4.4	6	5200			
994-0908SQ-12NGLB	0908SQ-12NGLB	12.1	4.4	7	4300			
994-0908SQ-14NGLB	0908SQ-14NGLB	14.7	4.4	7.2	3000			
994-0908SQ-17NGLB	0908SQ-17NGLB	16.6	4.4	8	3400			
994-0908SQ-22NGLB	0908SQ-22NGLB	21.5	4.4	9	3700			
994-0908SQ-23NGLB	0908SQ-23NGLB	23	4.4	10	2600			
994-0908SQ-25NGLB	0908SQ-25NGLB	25	4.4	10	2500			
994-0908SQ-27NGLB	0908SQ-27NGLB	27.3	4.4	10	3200			

1111SQ Series

- Features:**
- Test Frequency: 400MHz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-1111SQ-27NGBE	1111SQ-27NGBE	27	5.5	8.1	2600			
994-1111SQ-30NGBE	1111SQ-30NGBE	30	5.5	8.3	2400			
994-1111SQ-33NGBE	1111SQ-33NGBE	33	48.8	9.5	2300			
994-1111SQ-36NGBE	1111SQ-36NGBE	36	48.8	9.8	2300			
994-1111SQ-39NGBE	1111SQ-39NGBE	39	48.8	10	2200			
994-1111SQ-43NGBE	1111SQ-43NGBE	43	4.4	10.8	2200			
994-1111SQ-47NGBE	1111SQ-47NGBE	47	4.4	11.3	2200			

SQUARE AIR CORE RF FIXED SMD INDUCTORS (CONT.)

Common Features:

- Operating Temperature Range: -40°C to +125°C

1515SQ Series

Features:

- Test Frequency: 400MHz
- Q Minimum: 400



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 2%								
994-1515SQ-47NGBE	1515SQ-47NGBE	47	4.9	6.35	1870			
994-1515SQ-68NGBE	1515SQ-68NGBE	68	5.5	8.6	2130			
994-1515SQ-82NGBE	1515SQ-82NGBE	82	5.6	9.4	1790			
Tolerance: 5%								
994-1515SQ-47NJEB	1515SQ-47NJEB	47	4.9	6.35	1870			
994-1515SQ-68NJEB	1515SQ-68NJEB	68	5.5	8.6	2130			
994-1515SQ-82NJEB	1515SQ-82NJEB	82	5.6	9.4	1790			

2222SQ Series

Features:

- Test Frequency: 50MHz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 2%								
994-2222SQ-90NGBE	2222SQ-90NGBE	90	5	5.5	1150			
994-2222SQ-111GEB	2222SQ-111GEB	110	5.7	6.5	1000			
994-2222SQ-131GEB	2222SQ-131GEB	130	5.4	7.5	1000			
994-2222SQ-161GEB	2222SQ-161GEB	160	5.7	8.25	1000			
994-2222SQ-181GEB	2222SQ-181GEB	180	5	9.5	1100			
994-2222SQ-221GEB	2222SQ-221GEB	220	5	11	1000			
994-2222SQ-271GEB	2222SQ-271GEB	270	4.3	12.5	800			
994-2222SQ-301GEB	2222SQ-301GEB	300	3.7	13.8	720			
Tolerance: 5%								
994-2222SQ-90NJEB	2222SQ-90NJEB	90	5	5.5	1150			
994-2222SQ-111JEB	2222SQ-111JEB	110	5.7	6.5	1000			
994-2222SQ-131JEB	2222SQ-131JEB	130	5.4	7.5	1000			
994-2222SQ-161JEB	2222SQ-161JEB	160	5.7	8.25	1000			
994-2222SQ-181JEB	2222SQ-181JEB	180	5	9.5	1100			
994-2222SQ-221JEB	2222SQ-221JEB	220	5	11	1000			
994-2222SQ-271JEB	2222SQ-271JEB	270	4.3	12.5	800			
994-2222SQ-301JEB	2222SQ-301JEB	300	3.7	13.8	720			

2929SQ Series

Features:

- Test Frequency: 50MHz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 2%								
994-2929SQ-331GEB	2929SQ-331GEB	330	4.7	12.5	660			
994-2929SQ-361GEB	2929SQ-361GEB	360	4.5	13.5	620			
994-2929SQ-391GEB	2929SQ-391GEB	390	4.4	14.5	590			
994-2929SQ-431GEB	2929SQ-431GEB	430	4.3	16.5	485			
994-2929SQ-501GEB	2929SQ-501GEB	500	4.3	16.5	485			
Tolerance: 5%								
994-2929SQ-331JEB	2929SQ-331JEB	330	4.7	12.5	660			
994-2929SQ-361JEB	2929SQ-361JEB	360	4.5	13.5	620			
994-2929SQ-391JEB	2929SQ-391JEB	390	4.4	14.5	590			
994-2929SQ-431JEB	2929SQ-431JEB	430	4.3	16.5	485			
994-2929SQ-501JEB	2929SQ-501JEB	500	4.3	16.5	485			

0805AF SERIES - FERRITE CHIP FIXED SMD INDUCTORS

Features:

- Operating Temperature Range: -40°C to +85°C
- Tolerance: 5%
- Dimensions (LxWxH): 2.29mm x 1.73mm x 1.52mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Test Frequency: 2.5MHz								
994-0805AF-103XJRB	0805AF-103XJRB	10	0.23	2.2	26			
994-0805AF-153XJRB	0805AF-153XJRB	15	0.15	4.25	20			
994-0805AF-223XJRB	0805AF-223XJRB	22	0.12	6.7	21			
Test Frequency: 7.9MHz								
994-0805AF-111XJRB	0805AF-111XJRB	0.11	0.94	0.05	1260			
994-0805AF-681XJRB	0805AF-681XJRB	0.68	0.6	0.3	425			
994-0805AF-102XJRB	0805AF-102XJRB	1	0.65	0.39	355			
994-0805AF-122XJRB	0805AF-122XJRB	1.2	0.44	0.64	375			
994-0805AF-152XJRB	0805AF-152XJRB	1.5	0.39	0.74	285			
994-0805AF-182XJRB	0805AF-182XJRB	1.8	0.37	0.98	300			
994-0805AF-222XJRB	0805AF-222XJRB	2.2	0.35	0.98	105			
994-0805AF-272XJRB	0805AF-272XJRB	2.7	0.32	1.16	100			
994-0805AF-332XJRB	0805AF-332XJRB	3.3	0.33	1.2	85			
994-0805AF-472XJRB	0805AF-472XJRB	4.7	0.28	1.5	55			
994-0805AF-682XJRB	0805AF-682XJRB	6.8	0.24	1.9	37			

COILCRAFT Shielded Coupled Power Inductors



NEW SUPPLIER

Inductors

Coilcraft

NEW SUPPLIER

NEW SUPPLIER

LPD3015 SERIES

Features:

- High inductance
- High Efficiency

Specifications:

- Operating Temperature range: -40°C to +85°C
- Dimensions (LxWxH): 3mm x 3mm x 1.4mm



This product is RoHS compliant.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 20%								
994-LPD3015-391MLB	LPD3015-391MLB	0.39	2.05	0.071	289			
994-LPD3015-561MLB	LPD3015-561MLB	0.56	1.94	0.079	235			
994-LPD3015-102MLB	LPD3015-102MLB	1	1.52	0.129	160			
994-LPD3015-152MLB	LPD3015-152MLB	1.5	1.2	0.204	140			
994-LPD3015-182MLB	LPD3015-182MLB	1.8	1.1	0.273	135			
994-LPD3015-222MLB	LPD3015-222MLB	2.2	1.05	0.3	110			
994-LPD3015-332MLB	LPD3015-332MLB	3.3	0.94	0.337	90			
994-LPD3015-472MLB	LPD3015-472MLB	4.7	0.76	0.503	79			
994-LPD3015-682MLB	LPD3015-682MLB	6.8	0.69	0.622	58			
994-LPD3015-103MLB	LPD3015-103MLB	10	0.53	1.04	48			
994-LPD3015-153MLB	LPD3015-153MLB	15	0.46	1.42	35			
994-LPD3015-183MLB	LPD3015-183MLB	18	0.44	1.55	33			
994-LPD3015-223MLB	LPD3015-223MLB	22	0.4	1.89	30			
994-LPD3015-333MLB	LPD3015-333MLB	33	0.32	2.84	23			
994-LPD3015-473MLB	LPD3015-473MLB	47	0.27	4.03	17			
994-LPD3015-683MLB	LPD3015-683MLB	68	0.22	6.11	14			
994-LPD3015-104MLB	LPD3015-104MLB	100	0.19	8.54	11			
994-LPD3015-124MLB	LPD3015-124MLB	120	0.18	9.23	9.0			
994-LPD3015-154MLB	LPD3015-154MLB	150	0.16	12.4	8.0			
994-LPD3015-184MLB	LPD3015-184MLB	180	0.14	15.32	7.5			
994-LPD3015-224MLB	LPD3015-224MLB	220	0.13	18.56	6.0			
994-LPD3015-334MLB	LPD3015-334MLB	330	0.1	27.7	5.0			

LPD6235 SERIES

Features:

- High inductance
- High Efficiency

Specifications:

- Operating Temperature range: -40°C to +85°C
- Dimensions (LxWxH): 6mm x 6mm x 3.5mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 20%								
994-LPD6235-682MEB	LPD6235-682MEB	6.8	2.26	0.108	31			
994-LPD6235-103MEB	LPD6235-103MEB	10	1.98	0.14	26			
994-LPD6235-223MEB	LPD6235-223MEB	22	1.2	0.3	16			
994-LPD6235-473MEB	LPD6235-473MEB	47	0.85	0.62	9.7			
994-LPD6235-474MEB	LPD6235-474MEB	470	0.35	3.5	4.2			
994-LPD6235-105MEB	LPD6235-105MEB	1000	0.21	7	2.0			
994-LPD6235-155MEB	LPD6235-155MEB	1500	0.2	10.8	1.5			
994-LPD6235-205MEB	LPD6235-205MEB	2000	0.16	16	1.3			

MSD1260 SERIES

Features:

- High inductance
- High Efficiency

Specifications:

- Operating Temperature range: -40°C to +85°C
- Dimensions (LxWxH): 12.3mm x 12.3mm x 6mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 20%								
994-MSD1260-472MLB	MSD1260-472MLB	4.7	4.47	0.036	32.0			
994-MSD1260-562MLB	MSD1260-562MLB	5.6	4.24	0.04	31.0			
994-MSD1260-682MLB	MSD1260-682MLB	6.8	3.88	0.048	28.0			
994-MSD1260-822MLB	MSD1260-822MLB	8.2	3.72	0.052	25.0			
994-MSD1260-103MLB	MSD1260-103MLB	10	3.46	0.06	22.0			
994-MSD1260-123MLB	MSD1260-123MLB	12	3.12	0.074	21.0			
994-MSD1260-153MLB	MSD1260-153MLB	15	2.92	0.085	17.6			
994-MSD1260-183MLB	MSD1260-183MLB	18	2.73	0.097	17.0			
994-MSD1260-223MLB	MSD1260-223MLB	22	2.49	0.116	15.0			
994-MSD1260-273MLB	MSD1260-273MLB	27	2.41	0.124	13.6			
994-MSD1260-333MLB	MSD1260-333MLB	33	2.32	0.134	12.7			
994-MSD1260-393MLB	MSD1260-393MLB	39	2.25	0.142	11.7			
994-MSD1260-473MLB	MSD1260-473MLB	47	2.03	0.174	8.70			
994-MSD1260-563MLB	MSD1260-563MLB	56	1.91	0.198	7.60			
994-MSD1260-683MLB	MSD1260-683MLB	68	1.83	0.216	6.10			
994-MSD1260-823MLB	MSD1260-823MLB	82	1.62	0.274	5.30			
994-MSD1260-104MLB	MSD1260-104MLB	100	1.5	0.322	5.00			

MSD1278 SERIES

Features:

- High inductance
- High Efficiency

Specifications:

- Operating Temperature range: -40°C to +85°C
- Dimensions (LxWxH): 12.3mm x 12.3mm x 8.05mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSD1278-124KLB	MSD1278-124KLB	120	1.36	0.41	3.2			
994-MSD1278-154KLB	MSD1278-154KLB	150	1.29	0.46	3.0			
994-MSD1278-184KLB	MSD1278-184KLB	180	1.22	0.51	2.7			
994-MSD1278-224KLB	MSD1278-224KLB	220	1.05	0.69	2.5			
994-MSD1278-274KLB	MSD1278-274KLB	270	0.92	0.9	2.1			
994-MSD1278-334KLB	MSD1278-334KLB	330	0.86	1.02	2.0			
994-MSD1278-394KLB	MSD1278-394KLB	390	0.82	1.12	1.8			
994-MSD1278-474KLB	MSD1278-474KLB	470	0.7	1.43	1.6			

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MSD1278 SERIES (CONT.)

Features:

- High inductance
- High Efficiency

Specifications:

- Operating Temperature range: -40°C to +85°C
- Dimensions (LxWxH): 12.3mm x 12.3mm x 8.05mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10% (Cont.)								
994-MSD1278-564KLB	MSD1278-564KLB	560	0.67	1.69	1.5			
994-MSD1278-684KLB	MSD1278-684KLB	680	0.58	2.29	1.4			
994-MSD1278-824KLB	MSD1278-824KLB	820	0.55	2.55	1.3			
994-MSD1278-105KLB	MSD1278-105KLB	1000	0.52	2.83	1.1			
Tolerance: 20%								
994-MSD1278-472MLB	MSD1278-472MLB	4.7	4.47	0.038	32.0			
994-MSD1278-562MLB	MSD1278-562MLB	5.6	4.06	0.046	25.0			
994-MSD1278-682MLB	MSD1278-682MLB	6.8	3.98	0.048	24.0			
994-MSD1278-822MLB	MSD1278-822MLB	8.2	3.9	0.05	18.0			
994-MSD1278-103MLB	MSD1278-103MLB	10	3.62	0.058	16.5			
994-MSD1278-123MLB	MSD1278-123MLB	12	3.5	0.062	14.5			
994-MSD1278-153MLB	MSD1278-153MLB	15	3.25	0.072	11.8			
994-MSD1278-183MLB	MSD1278-183MLB	18	3.08	0.08	10.5			
994-MSD1278-223MLB	MSD1278-223MLB	22	2.81	0.096	9.0			
994-MSD1278-273MLB	MSD1278-273MLB	27	2.52	0.12	8.4			
994-MSD1278-333MLB	MSD1278-333MLB	33	2.25	0.15	7.6			
994-MSD1278-393MLB	MSD1278-393MLB	39	2.18	0.16	6.5			
994-MSD1278-473MLB	MSD1278-473MLB	47	2.05	0.18	6.0			
994-MSD1278-563MLB	MSD1278-563MLB	56	2	0.19	5.6			
994-MSD1278-683MLB	MSD1278-683MLB	68	1.9	0.21	5.0			
994-MSD1278-823MLB	MSD1278-823MLB	82	1.65	0.28	4.1			
994-MSD1278-104MLB	MSD1278-104MLB	100	1.59	0.3	3.6			

MSD1583 SERIES

Features:

- High inductance
- High Efficiency

Specifications:

- Operating Temperature range: -40°C to +85°C
- Dimensions (LxWxH): 15.1mm x 15.1mm x 8.6mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSD1583-104KEB	MSD1583-104KEB	100	1.75	0.26				
994-MSD1583-154KEB	MSD1583-154KEB	150	1.5	0.38				
994-MSD1583-224KEB	MSD1583-224KEB	220	1.3	0.46				
994-MSD1583-474KEB	MSD1583-474KEB	470	0.92	1.04				
994-MSD1583-105KEB	MSD1583-105KEB	1000	0.6	2.4				
Tolerance: 20%								
994-MSD1583-103MEB	MSD1583-103MEB	10	5.2	0.031				
994-MSD1583-123MEB	MSD1583-123MEB	12	5	0.037				
994-MSD1583-153MEB	MSD1583-153MEB	15	4.5	0.045				
994-MSD1583-183MEB	MSD1583-183MEB	18						

COILCRAFT Shielded Coupled Power Inductors



RoHS Compliant This page of product is RoHS compliant.

LPD4012 SERIES - MINIATURE

- Features:**
- High inductance
 - High efficiency
- Specifications:**
- Operating Temperature Range: -40°C to +85°C
 - Dimensions (LxWxH): 4mm x 4mm x 1.1mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 20%								
994-LPD4012-472MLB	LPD4012-472MLB	4.7	0.92	0.5	39			
994-LPD4012-562MLB	LPD4012-562MLB	5.6	0.78	0.62	32			
994-LPD4012-682MLB	LPD4012-682MLB	6.8	0.86	0.53	31			
994-LPD4012-822MLB	LPD4012-822MLB	8.2	0.78	0.6	29			
994-LPD4012-103MLB	LPD4012-103MLB	10	0.71	0.75	25			
994-LPD4012-153MLB	LPD4012-153MLB	15	0.6	1.13	21			
994-LPD4012-223MLB	LPD4012-223MLB	22	0.48	1.63	15			
994-LPD4012-333MLB	LPD4012-333MLB	33	0.44	1.83	12			
994-LPD4012-473MLB	LPD4012-473MLB	47	0.39	2.52	8.8			
994-LPD4012-683MLB	LPD4012-683MLB	68	0.36	3.23	7.8			
994-LPD4012-823MLB	LPD4012-823MLB	82	0.31	3.66	7.3			
994-LPD4012-104MLB	LPD4012-104MLB	100	0.27	4.76	6.1			
994-LPD4012-124MLB	LPD4012-124MLB	120	0.27	5.54	5.3			
994-LPD4012-154MLB	LPD4012-154MLB	150	0.23	6.9	4.6			
994-LPD4012-184MLB	LPD4012-184MLB	180	0.18	8.75	4.1			
994-LPD4012-224MLB	LPD4012-224MLB	220	0.17	11.24	3.3			
994-LPD4012-334MLB	LPD4012-334MLB	330	0.14	17	2.8			
Tolerance: 30%								
994-LPD4012-331N1B	LPD4012-331N1B	0.33	2.65	0.042	255			
994-LPD4012-561N1B	LPD4012-561N1B	0.56	1.84	0.087	185			
994-LPD4012-821N1B	LPD4012-821N1B	0.82	1.72	0.1	130			
994-LPD4012-152N1B	LPD4012-152N1B	1.5	1.62	0.185	86			
994-LPD4012-222N1B	LPD4012-222N1B	2.2	0.35	0.235	70			
994-LPD4012-332N1B	LPD4012-332N1B	3.3	1.06	0.32	48			

LPD5010

• Dimensions (LxWxH): 4.8mm x 4.8mm x .9mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 20%								
994-LPD5010-681MEB	LPD5010-681MEB	0.68	2.76	0.07	191			
994-LPD5010-102MEB	LPD5010-102MEB	1	2.12	0.1	150			
994-LPD5010-152MEB	LPD5010-152MEB	1.5	1.7	0.15	134			
994-LPD5010-222MEB	LPD5010-222MEB	2.2	1.56	0.2	108			
994-LPD5010-332MEB	LPD5010-332MEB	3.3	1.34	0.27	83			
994-LPD5010-472MEB	LPD5010-472MEB	4.7	1.06	0.4	68			
994-LPD5010-562MEB	LPD5010-562MEB	5.6	0.99	0.45	60			
994-LPD5010-682MEB	LPD5010-682MEB	6.8	0.85	0.53	55			
994-LPD5010-822MEB	LPD5010-822MEB	8.2	0.71	0.7	50			
994-LPD5010-103MEB	LPD5010-103MEB	10	0.71	0.78	46			
994-LPD5010-153MEB	LPD5010-153MEB	15	0.59	1.19	33			
994-LPD5010-223MEB	LPD5010-223MEB	22	0.49	1.58	26			
994-LPD5010-333MEB	LPD5010-333MEB	33	0.42	2.5	23			
994-LPD5010-473MEB	LPD5010-473MEB	47	0.35	3.48	17.0			
994-LPD5010-683MEB	LPD5010-683MEB	68	0.26	5.1	14.9			
994-LPD5010-104MEB	LPD5010-104MEB	100	0.21	8	11.2			
994-LPD5010-154MEB	LPD5010-154MEB	150	0.16	11.7	9.9			
994-LPD5010-224MEB	LPD5010-224MEB	220	0.15	15.2	8.05			

LPD5030

• Dimensions (LxWxH): 4.8mm x 4.8mm x .9mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 20%								
994-LPD5030-152MEB	LPD5030-152MEB	1.5	3.11	0.048	123			
994-LPD5030-222MEB	LPD5030-222MEB	2.2	3.04	0.067	78			
994-LPD5030-332MEB	LPD5030-332MEB	3.3	2.62	0.077	65			
994-LPD5030-472MEB	LPD5030-472MEB	4.7	2.05	0.111	53			
994-LPD5030-562MEB	LPD5030-562MEB	5.6	1.91	0.125	48			
994-LPD5030-682MEB	LPD5030-682MEB	6.8	1.7	0.159	43			
994-LPD5030-103MEB	LPD5030-103MEB	10	1.48	0.21	31			
994-LPD5030-153MEB	LPD5030-153MEB	15	1.2	0.298	25			
994-LPD5030-223MEB	LPD5030-223MEB	22	0.99	0.452	19			
994-LPD5030-333MEB	LPD5030-333MEB	33	0.85	0.565	15			
994-LPD5030-473MEB	LPD5030-473MEB	47	0.71	0.806	12.6			
994-LPD5030-683MEB	LPD5030-683MEB	68	0.64	1.13	10.0			
994-LPD5030-104MEB	LPD5030-104MEB	100	0.49	1.79	8.32			
994-LPD5030-154MEB	LPD5030-154MEB	150	0.43	2.43	6.80			
994-LPD5030-224MEB	LPD5030-224MEB	220	0.37	3.3	5.55			
994-LPD5030-334MEB	LPD5030-334MEB	330	0.28	4.62	4.05			
994-LPD5030-474MEB	LPD5030-474MEB	470	0.23	7.51	3.35			
994-LPD5030-684MEB	LPD5030-684MEB	680	0.19	10.8	2.78			
994-LPD5030-105MEB	LPD5030-105MEB	1000	0.15	16.5	2.24			
Tolerance: 30%								
994-LPD5030-102NEB	LPD5030-102NEB	1	3.68	0.042	156			

MSD1260T SERIES - HIGH TEMPERATURE

- Features:**
- High inductance
 - High Efficiency
- Specifications:**
- Operating Temperature Range: -40°C to +85°C
 - Dimensions (LxWxH): 12.3mm x 12.3mm x 6mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSD1260T-124KLB	MSD1260T-124KLB	120	1.31	0.418	6.8			
994-MSD1260T-154KLB	MSD1260T-154KLB	150	1.23	0.476	6.4			
994-MSD1260T-184KLB	MSD1260T-184KLB	180	1.16	0.536	6.1			
994-MSD1260T-224KLB	MSD1260T-224KLB	220	1.02	0.691	5.5			
994-MSD1260T-274KLB	MSD1260T-274KLB	270	0.95	0.806	4.3			
994-MSD1260T-334KLB	MSD1260T-334KLB	330	0.81	1.09	4.0			
994-MSD1260T-394KLB	MSD1260T-394KLB	390	0.77	1.2	3.6			
994-MSD1260T-474KLB	MSD1260T-474KLB	470	0.67	1.59	3.0			
994-MSD1260T-564KLB	MSD1260T-564KLB	560	0.63	1.81	2.8			
994-MSD1260T-684KLB	MSD1260T-684KLB	680	0.59	2.06	2.6			
994-MSD1260T-824KLB	MSD1260T-824KLB	820	0.52	2.65	2.5			
994-MSD1260T-105KLB	MSD1260T-105KLB	1000	0.49	3.06	2.4			

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MSD1260T SERIES - HIGH TEMPERATURE (CONT.)

- Features:**
- High inductance
 - High Efficiency
- Specifications:**
- Operating Temperature Range: -40°C to +85°C
 - Dimensions (LxWxH): 12.3mm x 12.3mm x 6mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 20%								
994-MSD1260T-332MLB	MSD1260T-332MLB	3.3	6.1	0.02	52.0			
994-MSD1260T-472MLB	MSD1260T-472MLB	4.7	4.47	0.036	38.0			
994-MSD1260T-562MLB	MSD1260T-562MLB	5.6	4.24	0.04	30.0			
994-MSD1260T-682MLB	MSD1260T-682MLB	6.8	3.88	0.048	27.0			
994-MSD1260T-822MLB	MSD1260T-822MLB	8.2	3.72	0.052	26.0			
994-MSD1260T-103MLB	MSD1260T-103MLB	10	3.46	0.06	22.0			
994-MSD1260T-123MLB	MSD1260T-123MLB	12	3.12	0.074	20.0			
994-MSD1260T-153MLB	MSD1260T-153MLB	15	2.92	0.085	18.0			
994-MSD1260T-183MLB	MSD1260T-183MLB	18	2.73	0.097	16.0			
994-MSD1260T-223MLB	MSD1260T-223MLB	22	2.49	0.116	15.0			
994-MSD1260T-273MLB	MSD1260T-273MLB	27	2.41	0.124	13.0			
994-MSD1260T-333MLB	MSD1260T-333MLB	33	2.32	0.134	12.4			
994-MSD1260T-393MLB	MSD1260T-393MLB	39	2.25	0.142	12.0			
994-MSD1260T-473MLB	MSD1260T-473MLB	47	2.03	0.174	11.3			
994-MSD1260T-563MLB	MSD1260T-563MLB	56	1.91	0.198	10.5			
994-MSD1260T-683MLB	MSD1260T-683MLB	68	1.83	0.216	10.0			
994-MSD1260T-823MLB	MSD1260T-823MLB	82	1.62	0.274	8.6			
994-MSD1260T-104MLB	MSD1260T-104MLB	100	1.5	0.322	7.8			

MSD1278T - HIGH TEMPERATURE

- Features:**
- High inductance
 - High Efficiency
- Specifications:**
- Operating Temperature Range: -40°C to +85°C
 - Dimensions (LxWxH): 12.3mm x 12.3mm x 8.05mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSD1278T-124KLB	MSD1278T-124KLB	120	1.36	0.41	4.3			
994-MSD1278T-154KLB	MSD1278T-154KLB	150	1.29	0.46	4.1			
994-MSD1278T-184KLB	MSD1278T-184KLB	180	1.22	0.51	4.0			
994-MSD1278T-224KLB	MSD1278T-224KLB	220	1.05	0.69	3.4			
994-MSD1278T-274KLB	MSD1278T-274KLB	270	0.92	0.9	3.1			
994-MSD1278T-334KLB	MSD1278T-334KLB	330	0.86	1.02	2.9			
994-MSD1278T-394KLB	MSD1278T-394KLB	390	0.82	1.12	2.7			

COILCRAFT Ferrite Core Inductors



NEW SUPPLIER Inductors Coilcraft NEW SUPPLIER

DO FAMILY - SMD FERRITE CORE

FIXED POWER INDUCTORS

Common Specifications:

- Test Frequency: 100KHz

DO1608C Series

- Operating Temperature range: -40°C to +85°C
- Dimensions (LxWxH): 6.6mm x 4.45mm x 2.92mm

• Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-DO1608C-102MLB	DO1608C-102MLB	1	2.7	0.05	130			
994-DO1608C-152MLB	DO1608C-152MLB	1.5	2.65	0.06	115			
994-DO1608C-222MLB	DO1608C-222MLB	2.2	2.55	0.07	100			
994-DO1608C-272MLB	DO1608C-272MLB	2.7	2.45	0.08	75			
994-DO1608C-332MLB	DO1608C-332MLB	3.3	2.2	0.08	70			
994-DO1608C-472MLB	DO1608C-472MLB	4.7	1.9	0.09	50			
994-DO1608C-682MLB	DO1608C-682MLB	6.8	1.6	0.13	45			
994-DO1608C-822MLB	DO1608C-822MLB	8.2	1.55	0.16	40			
994-DO1608C-103MLB	DO1608C-103MLB	10	1.5	0.16	35			
994-DO1608C-153MLB	DO1608C-153MLB	15	1.25	0.23	30			
994-DO1608C-223MLB	DO1608C-223MLB	22	0.95	0.37	20			
994-DO1608C-333MLB	DO1608C-333MLB	33	0.8	0.51	15			
994-DO1608C-473MLB	DO1608C-473MLB	47	0.7	0.64	14			
994-DO1608C-683MLB	DO1608C-683MLB	68	0.6	0.86	11			
994-DO1608C-104MLB	DO1608C-104MLB	100	0.5	1.27	9			
994-DO1608C-154MLB	DO1608C-154MLB	150	0.39	2	6			
994-DO1608C-224MLB	DO1608C-224MLB	220	0.31	3.11	5.5			
994-DO1608C-334MLB	DO1608C-334MLB	330	0.3	3.8	5			
994-DO1608C-474MLB	DO1608C-474MLB	470	0.26	5.06	4			
994-DO1608C-684MLB	DO1608C-684MLB	680	0.19	9.2	3			
994-DO1608C-105MLB	DO1608C-105MLB	1000	0.15	13.8	2			

DO1813H Series

- Operating Temperature range: -40°C to +85°C
- Dimensions (LxWxH): 8.89mm x 6.1mm x 5mm

• Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-DO1813H-181MLB	DO1813H-181MLB	0.18	10	0.003	800			
994-DO1813H-331MLB	DO1813H-331MLB	0.33	7	0.004	600			
994-DO1813H-561MLB	DO1813H-561MLB	0.56	6	0.01	200			
994-DO1813H-122MLB	DO1813H-122MLB	1.2	4.4	0.017	140			
994-DO1813H-222MLB	DO1813H-222MLB	2.2	3.1	0.035	100			
994-DO1813H-332MLB	DO1813H-332MLB	3.3	2.7	0.04	80			
994-DO1813H-472MLB	DO1813H-472MLB	4.7	2.2	0.054	50			
994-DO1813H-682MLB	DO1813H-682MLB	6.8	1.8	0.08	45			
994-DO1813H-822MLB	DO1813H-822MLB	8.2	1.6	0.092	42			
994-DO1813H-103MLB	DO1813H-103MLB	10	1.5	0.11	40			
994-DO1813H-153MLB	DO1813H-153MLB	15	1.2	0.17	30			
994-DO1813H-223MLB	DO1813H-223MLB	22	1	0.25	25			
994-DO1813H-333MLB	DO1813H-333MLB	33	0.82	0.35	20			
994-DO1813H-473MLB	DO1813H-473MLB	47	0.72	0.47	15			

DO3316H Series

- Operating Temperature range: -40°C to +85°C
- Dimensions (LxWxH): 13.21mm x 9.91mm x 6.35mm

• Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-DO3316H-121MLB	DO3316H-121MLB	0.12	17	0.0015	200			
994-DO3316H-331MLB	DO3316H-331MLB	0.33	16	0.002	200			
994-DO3316H-681MLB	DO3316H-681MLB	0.68	12	0.005	200			
994-DO3316H-102MLB	DO3316H-102MLB	1	10	0.006	100			
994-DO3316H-152MLB	DO3316H-152MLB	1.5	9	0.008	90			
994-DO3316H-222MLB	DO3316H-222MLB	2.2	7.4	0.011	80			
994-DO3316H-272MLB	DO3316H-272MLB	2.7	6.6	0.012	65			
994-DO3316H-332MLB	DO3316H-332MLB	3.3	5.9	0.014	60			
994-DO3316H-392MLB	DO3316H-392MLB	3.9	5.3	0.015	50			
994-DO3316H-472MLB	DO3316H-472MLB	4.7	4.8	0.018	45			

DO3316P Series

- Operating Temperature range: -40°C to +85°C
- Dimensions (LxWxH): 12.95mm x 9.4mm x 5.21mm

• Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-DO3316P-102MLB	DO3316P-102MLB	1	6.8	0.009	100			
994-DO3316P-152MLB	DO3316P-152MLB	1.5	6.4	0.01	90			
994-DO3316P-222MLB	DO3316P-222MLB	2.2	6.1	0.012	80			
994-DO3316P-332MLB	DO3316P-332MLB	3.3	5.4	0.015	65			
994-DO3316P-472MLB	DO3316P-472MLB	4.7	4.8	0.018	45			
994-DO3316P-682MLB	DO3316P-682MLB	6.8	4.4	0.027	38			
994-DO3316P-103MLB	DO3316P-103MLB	10	3.9	0.038	30			
994-DO3316P-153MLB	DO3316P-153MLB	15	3.1	0.046	27			
994-DO3316P-223MLB	DO3316P-223MLB	22	2.7	0.085	19			
994-DO3316P-333MLB	DO3316P-333MLB	33	2.1	0.1	15			
994-DO3316P-473MLB	DO3316P-473MLB	47	1.8	0.14	12			
994-DO3316P-683MLB	DO3316P-683MLB	68	1.5	0.2	10			
994-DO3316P-104MLB	DO3316P-104MLB	100	1.3	0.28	9			
994-DO3316P-154MLB	DO3316P-154MLB	150	1	0.4	6			
994-DO3316P-224MLB	DO3316P-224MLB	220	0.8	0.61	5			
994-DO3316P-334MLB	DO3316P-334MLB	330	0.6	1.02	4			
994-DO3316P-474MLB	DO3316P-474MLB	470	0.5	1.27	4			
994-DO3316P-684MLB	DO3316P-684MLB	680	0.4	2.02	2			
994-DO3316P-105MLB	DO3316P-105MLB	1000	0.3	3	2			
994-DO3316P-155MLB	DO3316P-155MLB	1500	0.27	4.49	1.7			
994-DO3316P-335MLB	DO3316P-335MLB	3300	0.17	8.97	1.1			

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DO3316T Series - High Temperature

- Operating Temperature range: -40°C to +125°C
- Dimensions (LxWxH): 13.21mm x 9.91mm x 6.35mm

• Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-DO3316T-331MLB	DO3316T-331MLB	0.33	16	0.002	200			
994-DO3316T-681MLB	DO3316T-681MLB	0.68	12	0.005	200			
994-DO3316T-102MLB	DO3316T-102MLB	1	10	0.006	100			
994-DO3316T-152MLB	DO3316T-152MLB	1.5	9	0.008	90			
994-DO3316T-222MLB	DO3316T-222MLB	2.2	7.4	0.011	90			
994-DO3316T-272MLB	DO3316T-272MLB	2.7	6.6	0.012	65			
994-DO3316T-332MLB	DO3316T-332MLB	3.3	5.9	0.014	60			
994-DO3316T-392MLB	DO3316T-392MLB	3.9	5.3	0.015	50			
994-DO3316T-472MLB	DO3316T-472MLB	4.7	4.8	0.018	50			
994-DO3316T-562MLB	DO3316T-562MLB	5.6	4.65	0.021	45			
994-DO3316T-682MLB	DO3316T-682MLB	6.8	4.4	0.024	43			
994-DO3316T-822MLB	DO3316T-822MLB	8.2	4.15	0.032	34			
994-DO3316T-103MLB	DO3316T-103MLB	10	3.9	0.034	31			
994-DO3316T-123MLB	DO3316T-123MLB	12	3.5	0.036	27			
994-DO3316T-153MLB	DO3316T-153MLB	15	3.1	0.045	25			
994-DO3316T-183MLB	DO3316T-183MLB	18	2.9	0.05	22			
994-DO3316T-223MLB	DO3316T-223MLB	22	2.7	0.07	18			
994-DO3316T-273MLB	DO3316T-273MLB	27	2.3	0.085	18			
994-DO3316T-333MLB	DO3316T-333MLB	33	2.1	0.1	17			
994-DO3316T-393MLB	DO3316T-393MLB	39	1.95	0.12	15			
994-DO3316T-473MLB	DO3316T-473MLB	47	1.8	0.15	14			
994-DO3316T-563MLB	DO3316T-563MLB	56	1.65	0.165	12			
994-DO3316T-683MLB	DO3316T-683MLB	68	1.5	0.22	11			
994-DO3316T-823MLB	DO3316T-823MLB	82	1.4	0.25	10			
994-DO3316T-104MLB	DO3316T-104MLB	100	1.3	0.28	9			
994-DO3316T-124MLB	DO3316T-124MLB	120	1	0.4	8			
994-DO3316T-154MLB	DO3316T-154MLB	150	0.9	0.46	6			
994-DO3316T-184MLB	DO3316T-184MLB	180	0.85	0.52	6			
994-DO3316T-224MLB	DO3316T-224MLB	220	0.8	0.7	5			
994-DO3316T-274MLB	DO3316T-274MLB	270	0.7	0.8	5			
994-DO3316T-334MLB	DO3316T-334MLB	330	0.6	1.07	4.5			
994-DO3316T-394MLB	DO3316T-394MLB	390	0.55	1.14	4			
994-DO3316T-474MLB	DO3316T-474MLB	470	0.5	1.27	3.5			

DO5010H Series

- Operating Temperature range: -40°C to +85°C
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-DO5010H-781MLB	DO5010H-781MLB	0.78	15	2.6	156			
994-DO5010H-152MLB	DO5010H-152MLB	1.5	15	4	100			
994-DO5010H-222MLB	DO5010H-222MLB	2.2	12	6.1	75			
994-DO5010H-332MLB	DO5010H-332MLB	3.3	10	8.6	60			
994-DO5010H-392MLB	DO5010H-392MLB	3.9	9	10	55			
994-DO5010H-472MLB	DO5010H-472MLB	4.7	8.4	14	40			
994-DO5010H-602MLB	DO5010H-602MLB	6	7.5	17	35			
994-DO5010H-782MLB	DO5010H-782MLB	7.8	7.5	18	35			
994-DO5010H-103MLB	DO5010H-103MLB	10	6	26	28			
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COILCRAFT Ferrite Core Inductors



This product is RoHS compliant.



DO FAMILY - SMD FERRITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature range: -40°C to +85°C
- Dimensions (LxWxH): 18.54mm x 15.24mm x 7.11mm
- Tolerance: 20%



MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-DO5022P-684MLB	DO5022P-684MLB	680	0.72	1.1	2			
994-DO5022P-105MLB	DO5022P-105MLB	1000	0.56	1.8	2			

DO5040H Series

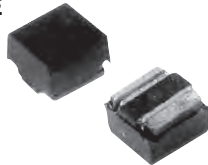
- Operating Temperature range: -40°C to +85°C

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Dimensions (LxWxH): 22.35mm x 16.25mm x 12mm, Tolerance: 20%								
994-DO5040H-282MLB	DO5040H-282MLB	2.8	12.1	5.2	65			
994-DO5040H-392MLB	DO5040H-392MLB	3.9	11.2	6	40			
994-DO5040H-682MLB	DO5040H-682MLB	6.8	9.6	9	30			
994-DO5040H-103MLB	DO5040H-103MLB	10	8.6	11	22			
994-DO5040H-123MLB	DO5040H-123MLB	12	7.4	13	21			
Dimensions (LxWxH): 18.54mm x 15.24mm x 12mm, Tolerance: 20%								
994-DO5040H-153MLB	DO5040H-153MLB	15	6.5	20	18			
994-DO5040H-183MLB	DO5040H-183MLB	18	6	22	14			
994-DO5040H-223MLB	DO5040H-223MLB	22	5.7	24	13			
994-DO5040H-333MLB	DO5040H-333MLB	33	4.5	37	10			
994-DO5040H-473MLB	DO5040H-473MLB	47	3.7	52	8			
994-DO5040H-683MLB	DO5040H-683MLB	68	3.4	67	7			
994-DO5040H-104MLB	DO5040H-104MLB	100	2.8	115	6			
Dimensions (LxWxH): 18.54mm x 15.24mm x 12mm, Tolerance: 10%								
994-DO5040H-334KLB	DO5040H-334KLB	330	1.5	325	3			
994-DO5040H-684KLB	DO5040H-684KLB	680	1.1	780	1.6			
994-DO5040H-145KLB	DO5040H-145KLB	1400	0.7	1300	1.6			

EPL FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS

Common Specifications:

- Test Frequency: 100kHz
- Tolerance: 20%
- Operating Temperature Range: -40°C to +85°C



EPL2010 Series

- Dimensions (LxWxH): 2.2mm x 2.2mm x 1.05mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-EPL2010-181MLB	EPL2010-181MLB	0.18	3.17	0.029	615			
994-EPL2010-271MLB	EPL2010-271MLB	0.27	2.31	0.038	412			
994-EPL2010-421MLB	EPL2010-421MLB	0.42	2.16	0.048	283			
994-EPL2010-681MLB	EPL2010-681MLB	0.68	1.94	0.07	214			
994-EPL2010-821MLB	EPL2010-821MLB	0.82	1.68	0.082	173			
994-EPL2010-102MLB	EPL2010-102MLB	1	1.36	0.119	145			
994-EPL2010-152MLB	EPL2010-152MLB	1.5	1.04	0.155	102			
994-EPL2010-222MLB	EPL2010-222MLB	2.2	0.978	0.222	80			
994-EPL2010-332MLB	EPL2010-332MLB	3.3	0.879	0.299	63			
994-EPL2010-472MLB	EPL2010-472MLB	4.7	0.68	0.472	50			
994-EPL2010-682MLB	EPL2010-682MLB	6.8	0.575	0.563	46			
994-EPL2010-822MLB	EPL2010-822MLB	8.2	0.52	0.91	42			
994-EPL2010-103MLB	EPL2010-103MLB	10	0.495	1	33			
994-EPL2010-123MLB	EPL2010-123MLB	12	0.48	1.34	32			

EPL2014 Series

- Dimensions (LxWxH): 2.2mm x 2.2mm x 1.45mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-EPL2014-271MLB	EPL2014-271MLB	0.27	2.73	0.03	570			
994-EPL2014-421MLB	EPL2014-421MLB	0.42	2.57	0.037	438			
994-EPL2014-601MLB	EPL2014-601MLB	0.6	2.43	0.052	290			
994-EPL2014-821MLB	EPL2014-821MLB	0.82	2.03	0.061	163			
994-EPL2014-102MLB	EPL2014-102MLB	1	1.94	0.071	153			
994-EPL2014-152MLB	EPL2014-152MLB	1.5	1.86	0.086	109			
994-EPL2014-222MLB	EPL2014-222MLB	2.2	1.42	0.132	80			
994-EPL2014-332MLB	EPL2014-332MLB	3.3	1.23	0.167	62			
994-EPL2014-472MLB	EPL2014-472MLB	4.7	1.06	0.254	46			
994-EPL2014-682MLB	EPL2014-682MLB	6.8	0.915	0.316	44			
994-EPL2014-822MLB	EPL2014-822MLB	8.2	0.849	0.416	39			
994-EPL2014-103MLB	EPL2014-103MLB	10	0.729	0.459	33			

EPL3010 Series

- Dimensions (LxWxH): 3.2mm x 3.2mm x 1.1mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-EPL3010-301MLB	EPL3010-301MLB	0.3	2.2	0.045	249			
994-EPL3010-102MLB	EPL3010-102MLB	1	1.7	0.078	151			
994-EPL3010-152MLB	EPL3010-152MLB	1.5	1.6	0.095	116			
994-EPL3010-222MLB	EPL3010-222MLB	2.2	1.3	0.15	98			
994-EPL3010-472MLB	EPL3010-472MLB	4.7	0.99	0.306	60			
994-EPL3010-103MLB	EPL3010-103MLB	10	0.7	0.631	38			
994-EPL3010-223MLB	EPL3010-223MLB	22	0.47	1.38	27			

EPL FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Tolerance: 20%
- Operating Temperature Range: -40°C to +85°C



EPL3012 Series

- Dimensions (LxWxH): 3.2mm x 3.2mm x 1.3mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-EPL3012-102MLB	EPL3012-102MLB	1	2.2	0.066	110			
994-EPL3012-152MLB	EPL3012-152MLB	1.5	1.9	0.075	103			
994-EPL3012-182MLB	EPL3012-182MLB	1.8	1.8	0.084	92			
994-EPL3012-222MLB	EPL3012-222MLB	2.2	1.7	0.106	76			
994-EPL3012-332MLB	EPL3012-332MLB	3.3	1.4	0.15	62			
994-EPL3012-472MLB	EPL3012-472MLB	4.7	1.1	0.181	52			
994-EPL3012-103MLB	EPL3012-103MLB	10	0.79	0.348	32			
994-EPL3012-223MLB	EPL3012-223MLB	22	0.54	0.79	18			

EPL3015 Series

- Dimensions (LxWxH): 3.2mm x 3.2mm x 1.55mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-EPL3015-901MLB	EPL3015-901MLB	0.9	2.45	0.055	130			
994-EPL3015-122MLB	EPL3015-122MLB	1.2	2.4	0.062	105			
994-EPL3015-152MLB	EPL3015-152MLB	1.5	2.05	0.072	100			
994-EPL3015-222MLB	EPL3015-222MLB	2.2	2	0.094	75			
994-EPL3015-332MLB	EPL3015-332MLB	3.3	1.7	0.124	55			
994-EPL3015-472MLB	EPL3015-472MLB	4.7	1.4	0.167	50			
994-EPL3015-682MLB	EPL3015-682MLB	6.8	1.2	0.223	38			
994-EPL3015-103MLB	EPL3015-103MLB	10	1	0.346	32			
994-EPL3015-153MLB	EPL3015-153MLB	15	0.82	0.5	26			
994-EPL3015-223MLB	EPL3015-223MLB	22	0.74	0.662	20			
994-EPL3015-333MLB	EPL3015-333MLB	33	0.59	0.989	15.5			

EPL6024 Series

- Dimensions (LxWxH): 6.55mm x 6.2mm x 2.4mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-EPL6024-681MEB	EPL6024-681MEB	0.68	13	9.33	70.2			
994-EPL6024-102MEB	EPL6024-102MEB	1	12.5	11.43	53.8			
994-EPL6024-152MEB	EPL6024-152MEB	1.5	10.5	16.11	44.1			
994-EPL6024-222MEB	EPL6024-222MEB	2.2	9.4	20.55	36.9			
994-EPL6024-332MEB	EPL6024-332MEB	3.3	7.7	27.57	29.8			
994-EPL6024-472MEB	EPL6024-472MEB	4.7	5.77	44.57	24.8			
994-EPL6024-522MEB	EPL6024-522MEB	5.2	5.62	48.61	22.8			

EPL7040 Series

- Dimensions (LxWxH): 7.35mm x 7.15mm x 4.1mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-EPL7040-781MEB	EPL7040-781MEB	0.78	15.75	3.2	67.5			
994-EPL7040-102MEB	EPL7040-102MEB	1	14.5	4.7	52.5			
994-EPL7040-152MEB	EPL7040-152MEB	1.5	9.75	7.44	47.6			
994-EPL7040-222MEB	EPL7040-222MEB	2.2	9	9.65	36.5			
994-EPL7040-332MEB	EPL7040-332MEB	3.3	8.5	17.48	30.1			
994-EPL7040-472MEB	EPL7040-472MEB	4.7	7.25	24.37	22.6			

LPS FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C

LPS3008 Series

- Dimensions (LxWxH): 3.15mm x 3.15mm x 0.8mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-LPS3008-561MLB	LPS3008-561MLB	0.56	2	0.072	330			
994-LPS3								

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LPS FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C

This product is RoHS compliant.
LPS3314 Series (Cont.)



LPS3008 Series (Cont.)

- Dimensions (LxWxH): 3.15mm x 3.15mm x 0.8mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-LPS3008-473MLB	LPS3008-473MLB	47	0.27	3.15	21			
994-LPS3008-683MLB	LPS3008-683MLB	68	0.23	4.75	18			
994-LPS3008-104MLB	LPS3008-104MLB	100	0.21	6.85	14			
994-LPS3008-124MLB	LPS3008-124MLB	120	0.19	7	13			
994-LPS3008-154MLB	LPS3008-154MLB	150	0.175	8	11			
994-LPS3008-184MLB	LPS3008-184MLB	180	0.16	9	10			
994-LPS3008-224MLB	LPS3008-224MLB	220	0.145	11.5	9			
994-LPS3008-334MLB	LPS3008-334MLB	330	0.13	18	7			

LPS3010 Series

- Dimensions (LxWxH): 3.15mm x 3.15mm x 1mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-LPS3010-471MLB	LPS3010-471MLB	0.47	1.8	0.07	370			
994-LPS3010-681MLB	LPS3010-681MLB	0.68	1.75	0.08	270			
994-LPS3010-102MLB	LPS3010-102MLB	1	1.5	0.085	230			
994-LPS3010-152MLB	LPS3010-152MLB	1.5	1.4	0.12	165			
994-LPS3010-182MLB	LPS3010-182MLB	1.8	1.4	0.15	150			
994-LPS3010-222MLB	LPS3010-222MLB	2.2	1.1	0.22	130			
994-LPS3010-332MLB	LPS3010-332MLB	3.3	1.1	0.22	110			
994-LPS3010-472MLB	LPS3010-472MLB	4.7	0.95	0.3	92			
994-LPS3010-562MLB	LPS3010-562MLB	5.6	0.78	0.4	80			
994-LPS3010-682MLB	LPS3010-682MLB	6.8	0.74	0.45	70			
994-LPS3010-822MLB	LPS3010-822MLB	8.2	0.7	0.52	62			
994-LPS3010-103MLB	LPS3010-103MLB	10	0.64	0.54	58			
994-LPS3010-123MLB	LPS3010-123MLB	12	0.58	0.7	47			
994-LPS3010-153MLB	LPS3010-153MLB	15	0.48	0.95	43			
994-LPS3010-183MLB	LPS3010-183MLB	18	0.47	1.1	40			
994-LPS3010-223MLB	LPS3010-223MLB	22	0.41	1.2	36			
994-LPS3010-333MLB	LPS3010-333MLB	33	0.35	2	27			
994-LPS3010-473MLB	LPS3010-473MLB	47	0.31	3.2	21			
994-LPS3010-683MLB	LPS3010-683MLB	68	0.28	3.5	21			
994-LPS3010-104MLB	LPS3010-104MLB	100	0.24	5.25	14			
994-LPS3010-124MLB	LPS3010-124MLB	120	0.19	6.1	12			
994-LPS3010-154MLB	LPS3010-154MLB	150	0.17	9.15	11			
994-LPS3010-184MLB	LPS3010-184MLB	180	0.15	10.1	9			
994-LPS3010-224MLB	LPS3010-224MLB	220	0.13	12.5	8			
994-LPS3010-334MLB	LPS3010-334MLB	330	0.11	18.5	7			

LPS3015 Series

- Dimensions (LxWxH): 3.15mm x 3.15mm x 1.5mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-LPS3015-102MLB	LPS3015-102MLB	1	2	0.075	80			
994-LPS3015-152MLB	LPS3015-152MLB	1.5	1.7	0.1	140			
994-LPS3015-182MLB	LPS3015-182MLB	1.8	1.4	0.1	135			
994-LPS3015-222MLB	LPS3015-222MLB	2.2	1.4	0.11	110			
994-LPS3015-332MLB	LPS3015-332MLB	3.3	1.4	0.13	90			
994-LPS3015-472MLB	LPS3015-472MLB	4.7	1.2	0.2	79			
994-LPS3015-682MLB	LPS3015-682MLB	6.8	0.9	0.3	58			
994-LPS3015-103MLB	LPS3015-103MLB	10	0.75	0.44	48			
994-LPS3015-153MLB	LPS3015-153MLB	15	0.59	0.7	35			
994-LPS3015-183MLB	LPS3015-183MLB	18	0.58	0.75	33			
994-LPS3015-223MLB	LPS3015-223MLB	22	0.57	0.825	30			
994-LPS3015-333MLB	LPS3015-333MLB	33	0.48	1.3	23			
994-LPS3015-473MLB	LPS3015-473MLB	47	0.4	1.55	17			
994-LPS3015-683MLB	LPS3015-683MLB	68	0.33	2.35	14			
994-LPS3015-104MLB	LPS3015-104MLB	100	0.26	3.4	11			
994-LPS3015-124MLB	LPS3015-124MLB	120	0.23	4.65	9			
994-LPS3015-154MLB	LPS3015-154MLB	150	0.2	6.25	8			
994-LPS3015-184MLB	LPS3015-184MLB	180	0.175	8.6	7.5			
994-LPS3015-224MLB	LPS3015-224MLB	220	0.155	9.5	6			
994-LPS3015-334MLB	LPS3015-334MLB	330	0.095	23	5			

LPS3314 Series

- Dimensions (LxWxH): 3.4mm x 3.4mm x 1.4mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-LPS3314-102MLB	LPS3314-102MLB	1	2.1	0.062	215			
994-LPS3314-222MLB	LPS3314-222MLB	2.2	1.6	0.1	140			
994-LPS3314-332MLB	LPS3314-332MLB	3.3	1.35	0.145	115			
994-LPS3314-472MLB	LPS3314-472MLB	4.7	1.25	0.175	86			
994-LPS3314-562MLB	LPS3314-562MLB	5.6	1.1	0.22	74			
994-LPS3314-682MLB	LPS3314-682MLB	6.8	1.1	0.24	72			
994-LPS3314-822MLB	LPS3314-822MLB	8.2	1	0.27	60			
994-LPS3314-103MLB	LPS3314-103MLB	10	0.87	0.33	55			
994-LPS3314-153MLB	LPS3314-153MLB	15	0.82	0.44	45			
994-LPS3314-183MLB	LPS3314-183MLB	18	0.68	0.575	37			
994-LPS3314-223MLB	LPS3314-223MLB	22	0.6	0.72	34			
994-LPS3314-333MLB	LPS3314-333MLB	33	0.58	0.92	27			
994-LPS3314-473MLB	LPS3314-473MLB	47	0.47	1.4	22			
994-LPS3314-563MLB	LPS3314-563MLB	56	0.42	1.55	19			
994-LPS3314-683MLB	LPS3314-683MLB	68	0.4	1.8	17			
994-LPS3314-823MLB	LPS3314-823MLB	82	0.39	2	14			
994-LPS3314-104MLB	LPS3314-104MLB	100	0.32	2.75	13			
994-LPS3314-124MLB	LPS3314-124MLB	120	0.3	3.45	11			
994-LPS3314-154MLB	LPS3314-154MLB	150	0.27	4.1	10			
994-LPS3314-184MLB	LPS3314-184MLB	180	0.25	4.8	9			

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- Dimensions (LxWxH): 3.4mm x 3.4mm x 1.4mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-LPS3314-224MLB	LPS3314-224MLB	220	0.22	6	7			
994-LPS3314-334MLB	LPS3314-334MLB	330	0.18	9.3	6			
994-LPS3314-474MLB	LPS3314-474MLB	470	0.16	12	4.5			
994-LPS3314-564MLB	LPS3314-564MLB	560	0.145	14	4.5			
994-LPS3314-684MLB	LPS3314-684MLB	680	0.125	18.5	4			
994-LPS3314-824MLB	LPS3314-824MLB	820	0.11	24	3.7			
994-LPS3314-105MLB	LPS3314-105MLB	1000	0.1	31	3			
994-LPS3314-155MLB	LPS3314-155MLB	1500	0.08	44	2.7			

LPS4012 Series

- Dimensions (LxWxH): 4.1mm x 4.1mm x 1.2mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-LPS4012-331MLB	LPS4012-331MLB	0.33	3	0.025	375			
994-LPS4012-681MLB	LPS4012-681MLB	0.68	2.4	0.055	220			
994-LPS4012-152MLB	LPS4012-152MLB	1.5	2.2	0.07	140			
994-LPS4012-222MLB	LPS4012-222MLB	2.2	1.75	0.1	115			
994-LPS4012-332MLB	LPS4012-332MLB	3.3	2	0.1	100			
994-LPS4012-472MLB	LPS4012-472MLB	4.7	1.45	0.175	70			
994-LPS4012-562MLB	LPS4012-562MLB	5.6	1.1	0.26	60			
994-LPS4012-682MLB	LPS4012-682MLB	6.8	0.98	0.34	55			
994-LPS4012-103MLB	LPS4012-103MLB	10	0.75	0.35	40			
994-LPS4012-153MLB	LPS4012-153MLB	15	0.73	0.55	30			
994-LPS4012-223MLB	LPS4012-223MLB	22	0.7	0.6	25			
994-LPS4012-333MLB	LPS4012-333MLB	33	0.61	0.825	22			
994-LPS4012-473MLB	LPS4012-473MLB	47	0.52	1.4	19			
994-LPS4012-683MLB	LPS4012-683MLB	68	0.46	1.7	15			
994-LPS4012-104MLB	LPS4012-104MLB	100	0.4	2.4	12			
994-LPS4012-124MLB	LPS4012-124MLB	120	0.36	3.3	11.5			
994-LPS4012-154MLB	LPS4012-154MLB	150	0.32	3.5	10			
994-LPS4012-184MLB	LPS4012-184MLB	180	0.29	5	8			
994-LPS4012-224MLB	LPS4012-224MLB	220	0.27	5.2	7			
994-LPS4012-334MLB	LPS4012-334MLB	330	0.225	7.2	7			
994-LPS4012-474MLB	LPS4012-474MLB	470	0.175	10	4.1			
994-LPS4012-564MLB	LPS4012-564MLB	560	0.14	12.5	3.5			
994-LPS4012-684MLB	LPS4012-684MLB	680	0.135	13.5	3			
994-LPS4012-824MLB	LPS4012-824MLB	820	0					

COILCRAFT Ferrite Core Inductors



This product is RoHS compliant.
LPS5015 Series (Cont.)

LPS FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C

LPS4414 Series (Cont.)

- Dimensions (LxWxH): 4.4mm x 4.4mm x 1.4mm • Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SFRF (MHz)	Price Each		
						1	50	100
994-LPS4414-562MLB	LPS4414-562MLB	5.6	1.1	0.26	58			
994-LPS4414-682MLB	LPS4414-682MLB	6.8	1	0.27	54			
994-LPS4414-822MLB	LPS4414-822MLB	8.2	0.98	0.35	50			
994-LPS4414-103MLB	LPS4414-103MLB	10	0.95	0.38	43			
994-LPS4414-123MLB	LPS4414-123MLB	12	0.88	0.38	38			
994-LPS4414-153MLB	LPS4414-153MLB	15	0.82	0.44	36			
994-LPS4414-183MLB	LPS4414-183MLB	18	0.75	0.53	31			
994-LPS4414-223MLB	LPS4414-223MLB	22	0.68	0.59	27			
994-LPS4414-333MLB	LPS4414-333MLB	33	0.65	0.715	23			
994-LPS4414-473MLB	LPS4414-473MLB	47	0.58	0.935	18			
994-LPS4414-563MLB	LPS4414-563MLB	56	0.54	1.15	16			
994-LPS4414-683MLB	LPS4414-683MLB	68	0.48	1.35	14.6			
994-LPS4414-104MLB	LPS4414-104MLB	100	0.4	1.9	11			
994-LPS4414-124MLB	LPS4414-124MLB	120	0.34	2.6	10			
994-LPS4414-154MLB	LPS4414-154MLB	150	0.32	3.1	9			
994-LPS4414-224MLB	LPS4414-224MLB	220	0.29	4.1	6.7			
994-LPS4414-334MLB	LPS4414-334MLB	330	0.23	6	5.6			
994-LPS4414-474MLB	LPS4414-474MLB	470	0.23	9.5	4.4			
994-LPS4414-564MLB	LPS4414-564MLB	560	0.17	10.7	4			
994-LPS4414-684MLB	LPS4414-684MLB	680	0.17	11.7	3.5			
994-LPS4414-824MLB	LPS4414-824MLB	820	0.14	15.1	3			
994-LPS4414-105MLB	LPS4414-105MLB	1000	0.13	16.3	2.6			
994-LPS4414-155MLB	LPS4414-155MLB	1500	0.11	26.4	2.2			
994-LPS4414-185MLB	LPS4414-185MLB	1800	0.1	35	1.9			
994-LPS4414-225MLB	LPS4414-225MLB	2200	0.08	42.5	1.9			
994-LPS4414-335MLB	LPS4414-335MLB	3300	0.07	56	1.3			

LPS5010 Series

- Dimensions (LxWxH): 5mm x 5mm x 1mm • Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SFRF (MHz)	Price Each		
						1	50	100
994-LPS5010-471MLB	LPS5010-471MLB	0.47	2.7	0.038	290			
994-LPS5010-821MLB	LPS5010-821MLB	0.82	1.5	0.08	195			
994-LPS5010-152MLB	LPS5010-152MLB	1.5	1.4	0.072	168			
994-LPS5010-222MLB	LPS5010-222MLB	2.2	1.2	0.1	144			
994-LPS5010-332MLB	LPS5010-332MLB	3.3	1.1	0.125	105			
994-LPS5010-562MLB	LPS5010-562MLB	5.6	0.92	0.24	75			
994-LPS5010-472MLB	LPS5010-472MLB	4.7	0.98	0.175	76			
994-LPS5010-682MLB	LPS5010-682MLB	6.8	0.85	0.255	71			
994-LPS5010-103MLB	LPS5010-103MLB	10	0.8	0.35	51			
994-LPS5010-153MLB	LPS5010-153MLB	15	0.75	0.5	39			
994-LPS5010-223MLB	LPS5010-223MLB	22	0.62	0.67	32			
994-LPS5010-333MLB	LPS5010-333MLB	33	0.55	1.05	26			
994-LPS5010-473MLB	LPS5010-473MLB	47	0.44	1.45	20			
994-LPS5010-683MLB	LPS5010-683MLB	68	0.35	2	15			
994-LPS5010-104MLB	LPS5010-104MLB	100	0.28	3.1	12			
994-LPS5010-124MLB	LPS5010-124MLB	120	0.25	3.5	11			
994-LPS5010-154MLB	LPS5010-154MLB	150	0.23	4.25	9			
994-LPS5010-224MLB	LPS5010-224MLB	220	0.2	6.25	7			
994-LPS5010-334MLB	LPS5010-334MLB	330	0.185	8.6	5.5			
994-LPS5010-474MLB	LPS5010-474MLB	470	0.15	12.7	4.5			
994-LPS5010-564MLB	LPS5010-564MLB	560	0.135	15.7	4			
994-LPS5010-684MLB	LPS5010-684MLB	680	0.125	20	3.7			
994-LPS5010-105MLB	LPS5010-105MLB	1000	0.11	28	3			

LPS5015 Series

- Dimensions (LxWxH): 5mm x 5mm x 1.5mm • Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SFRF (MHz)	Price Each		
						1	50	100
994-LPS5015-102MLB	LPS5015-102MLB	1	2.65	0.05	183			
994-LPS5015-132MLB	LPS5015-132MLB	1.3	2.35	0.065	150			
994-LPS5015-182MLB	LPS5015-182MLB	1.8	2.15	0.075	128			
994-LPS5015-222MLB	LPS5015-222MLB	2.2	2	0.09	116			
994-LPS5015-332MLB	LPS5015-332MLB	3.3	1.8	0.125	88			
994-LPS5015-472MLB	LPS5015-472MLB	4.7	1.62	0.15	73			
994-LPS5015-562MLB	LPS5015-562MLB	5.6	1.45	0.175	67			
994-LPS5015-682MLB	LPS5015-682MLB	6.8	1.25	0.225	57			
994-LPS5015-822MLB	LPS5015-822MLB	8.2	1.05	0.28	49			
994-LPS5015-103MLB	LPS5015-103MLB	10	0.95	0.3	44			
994-LPS5015-123MLB	LPS5015-123MLB	12	0.84	0.35	40			
994-LPS5015-153MLB	LPS5015-153MLB	15	0.84	0.36	38			
994-LPS5015-183MLB	LPS5015-183MLB	18	0.83	0.55	35			
994-LPS5015-223MLB	LPS5015-223MLB	22	0.82	0.675	31			
994-LPS5015-333MLB	LPS5015-333MLB	33	0.7	0.75	24			
994-LPS5015-473MLB	LPS5015-473MLB	47	0.57	1	18			
994-LPS5015-563MLB	LPS5015-563MLB	56	0.52	1.13	17			
994-LPS5015-683MLB	LPS5015-683MLB	68	0.47	1.45	15			
994-LPS5015-104MLB	LPS5015-104MLB	100	0.42	1.95	12			
994-LPS5015-124MLB	LPS5015-124MLB	120	0.37	2.5	10			
994-LPS5015-154MLB	LPS5015-154MLB	150	0.33	3.4	9.3			
994-LPS5015-224MLB	LPS5015-224MLB	220	0.29	4.5	7.3			
994-LPS5015-334MLB	LPS5015-334MLB	330	0.22	7.4	5.7			
994-LPS5015-474MLB	LPS5015-474MLB	470	0.21	7.5	4.9			
994-LPS5015-564MLB	LPS5015-564MLB	560	0.19	8.5	4.3			
994-LPS5015-684MLB	LPS5015-684MLB	680	0.175	10.6	4			
994-LPS5015-105MLB	LPS5015-105MLB	1000	0.15	15	3.2			
994-LPS5015-155MLB	LPS5015-155MLB	1500	0.14	25	2.5			

LPS5015 Series (Cont.)

- Dimensions (LxWxH): 5mm x 5mm x 1.5mm • Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SFRF (MHz)	Price Each		
						1	50	100
994-LPS5015-185MLB	LPS5015-185MLB	1800	0.13	28	2.2			
994-LPS5015-225MLB	LPS5015-225MLB	2200	0.09	36	2.1			
994-LPS5015-335MLB	LPS5015-335MLB	3300	0.075	55	1.7			
994-LPS5015-475MLB	LPS5015-475MLB	4700	0.065	80	1.4			

LPS5030 Series

- Dimensions (LxWxH): 5mm x 5mm x 3mm • Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SFRF (MHz)	Price Each		
						1	50	100
994-LPS5030-901MLB	LPS5030-901MLB	0.9	2.8	0.04	250			
994-LPS5030-122MLB	LPS5030-122MLB	1.2	2.65	0.043	210			
994-LPS5030-172MLB	LPS5030-172MLB	1.7	2.5	0.051	190			
994-LPS5030-222MLB	LPS5030-222MLB	2.2	2.15	0.057	168			
994-LPS5030-332MLB	LPS5030-332MLB	3.3	1.8	0.066	125			
994-LPS5030-472MLB	LPS5030-472MLB	4.7	1.75	0.083	84			
994-LPS5030-562MLB	LPS5030-562MLB	5.6	1.65	0.089	70			
994-LPS5030-682MLB	LPS5030-682MLB	6.8	1.6	0.099	56			
994-LPS5030-822MLB	LPS5030-822MLB	8.2	1.55	0.125	45			
994-LPS5030-103MLB	LPS5030-103MLB	10	1.5	0.127	30			
994-LPS5030-123MLB	LPS5030-123MLB	12	1.4	0.155	24			
994-LPS5030-153MLB	LPS5030-153MLB	15	1.4	0.16	32			
994-LPS5030-183MLB	LPS5030-183MLB	18	1.3	0.17	27			
994-LPS5030-223MLB	LPS5030-223MLB	22	1.25	0.19	24			
994-LPS5030-333MLB	LPS5030-333MLB	33	1.2	0.26	19			
994-LPS5030-473MLB	LPS5030-473MLB	47	1	0.33	16			
994-LPS5030-683MLB	LPS5030-683MLB	68	0.9	0.44	12			
994-LPS5030-823MLB	LPS5030-823MLB	82	0.83	0.47	11			
994-LPS5030-104MLB	LPS5030-104MLB	100	0.75	0.6	10			
994-LPS5030-124MLB	LPS5030-124MLB	120	0.66	0.8	9			
994-LPS5030-154MLB	LPS5030-154MLB	150	0.57	0.86	7.5			
994-LPS5030-224MLB	LPS5030-224MLB	220	0.5	1.35	6			
994-LPS5030-334MLB	LPS5030-334MLB	330	0.42	1.8	5			
994-LPS5030-474MLB	LPS5030-474MLB	470	0.37	2.8	4			
994-LPS5030-564MLB	LPS5030-564MLB	560	0.32	3.2	3.6			
994-LPS5030-684MLB	LPS5030-684MLB	680	0.29	3.8	3			
994-LPS5030-105MLB	LPS5030-105MLB	1000	0.25	5.1	2.5			
994-LPS5030-155MLB	LPS5030-155MLB	1500	0.21	7.6	2			
994-LPS5030-185MLB	LPS5030-185MLB	1800	0.17	10	1.8			
994-LPS5030-225MLB	LPS5030-225MLB	2200	0.15	11	1.6			
994-LPS5030-335MLB	LPS5030-335MLB	3300	0.125	19.5	1.3			
994-LPS5030-475MLB	LPS5030-475MLB	4700	0.11	26	1.1			

LPS6225 Series

- Dimensions (LxWxH): 6.2mm x 6.2mm x 2.5mm • Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SFRF (MHz)	Price Each		
						1	50	100
994-LPS6225-122MLB	LPS6225-122MLB	1.2	1.65	0				

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LPS FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C

LPS6235 Series (Cont.)

- Dimensions (LxWxH): 6.2mm x 6.2mm x 3.5mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-LPS6235-334MLB	LPS6235-334MLB	330	0.5	1.2	4.4			
994-LPS6235-474MLB	LPS6235-474MLB	470	0.43	1.6	3.6			
994-LPS6235-564MLB	LPS6235-564MLB	560	0.38	2	3.1			
994-LPS6235-684MLB	LPS6235-684MLB	680	0.37	2.2	2.8			
994-LPS6235-824MLB	LPS6235-824MLB	820	0.33	2.7	2.5			
994-LPS6235-105MLB	LPS6235-105MLB	1000	0.3	3.4	2.2			
994-LPS6235-155MLB	LPS6235-155MLB	1500	0.26	4.6	1.9			
994-LPS6235-185MLB	LPS6235-185MLB	1800	0.23	5.42	1.7			
994-LPS6235-225MLB	LPS6235-225MLB	2200	0.22	6.7	1.5			
994-LPS6235-335MLB	LPS6235-335MLB	3300	0.18	9.5	1.1			
994-LPS6235-475MLB	LPS6235-475MLB	4700	0.15	14.5	0.94			
994-LPS6235-565MLB	LPS6235-565MLB	5600	0.13	16.4	0.86			
994-LPS6235-685MLB	LPS6235-685MLB	6800	0.12	21.4	0.8			
994-LPS6235-825MLB	LPS6235-825MLB	8200	0.115	24	0.7			
994-LPS6235-106MLB	LPS6235-106MLB	10000	0.095	29.5	0.61			

ME FAMILY - SMD FIXED FERRITE CORE POWER INDUCTORS

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C

ME3215 Series

- Dimensions (LxWxH): 3.5mm x 2.7mm x 1.7mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-ME3215-103KLB	ME3215-103KLB	10	0.79	0.505	26			
994-ME3215-153KLB	ME3215-153KLB	15	0.65	0.773	26			
994-ME3215-223KLB	ME3215-223KLB	22	0.56	1	19			
994-ME3215-333KLB	ME3215-333KLB	33	0.48	1.48	17			
994-ME3215-473KLB	ME3215-473KLB	47	0.48	2.33	15			
994-ME3215-683KLB	ME3215-683KLB	68	0.32	3.4	12			
994-ME3215-104KLB	ME3215-104KLB	100	0.25	4.67	10			

Tolerance: 20%

994-ME3215-102MLB	ME3215-102MLB	1	2.3	0.058	100			
994-ME3215-222MLB	ME3215-222MLB	2.2	1.7	0.107	64			
994-ME3215-332MLB	ME3215-332MLB	3.3	1.45	0.17	55			
994-ME3215-472MLB	ME3215-472MLB	4.7	1.14	0.245	43			

ME3220 Series

- Dimensions (LxWxH): 3.5mm x 2.7mm x 2.7mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-ME3220-103KLB	ME3220-103KLB	10	0.87	0.434	39.9			
994-ME3220-123KLB	ME3220-123KLB	12	0.84	0.47	32.5			
994-ME3220-153KLB	ME3220-153KLB	15	0.83	0.52	32.5			
994-ME3220-183KLB	ME3220-183KLB	18	0.7	0.696	31.7			
994-ME3220-223KLB	ME3220-223KLB	22	0.64	0.787	29.4			
994-ME3220-273KLB	ME3220-273KLB	27	0.54	1.19	26.1			
994-ME3220-333KLB	ME3220-333KLB	33	0.53	1.27	28			
994-ME3220-393KLB	ME3220-393KLB	39	0.47	1.38	22.6			
994-ME3220-473KLB	ME3220-473KLB	47	0.45	1.8	20.7			
994-ME3220-563KLB	ME3220-563KLB	56	0.43	2.1	20.3			
994-ME3220-683KLB	ME3220-683KLB	68	0.38	2.3	16.3			
994-ME3220-823KLB	ME3220-823KLB	82	0.34	3	13.7			
994-ME3220-104KLB	ME3220-104KLB	100	0.32	3.5	13.3			

Tolerance: 20%

994-ME3220-102MLB	ME3220-102MLB	1	2.6	0.058	170.7			
994-ME3220-152MLB	ME3220-152MLB	1.5	2.2	0.068	138			
994-ME3220-222MLB	ME3220-222MLB	2.2	2	0.104	92.6			
994-ME3220-332MLB	ME3220-332MLB	3.3	1.6	0.138	75.6			
994-ME3220-472MLB	ME3220-472MLB	4.7	1.3	0.19	58.2			
994-ME3220-562MLB	ME3220-562MLB	5.6	1.3	0.2	52.5			
994-ME3220-682MLB	ME3220-682MLB	6.8	1.1	0.27	46.2			
994-ME3220-822MLB	ME3220-822MLB	8.2	1	0.29	45.2			

MOS6020 SERIES - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 6.8mm x 6mm x 2.4mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-MOS6020-222MLB	MOS6020-222MLB	2.2	4.1	0.035	110			
994-MOS6020-332MLB	MOS6020-332MLB	3.3	3.6	0.046	85			
994-MOS6020-472MLB	MOS6020-472MLB	4.7	3.1	0.05	60			
994-MOS6020-682MLB	MOS6020-682MLB	6.8	2.7	0.078	55			
994-MOS6020-822MLB	MOS6020-822MLB	8.2	2.2	0.085	45			
994-MOS6020-103MLB	MOS6020-103MLB	10	2.2	0.092	36			
994-MOS6020-153MLB	MOS6020-153MLB	15	1.8	0.13	30			
994-MOS6020-223MLB	MOS6020-223MLB	22	1.4	0.182	22			
994-MOS6020-333MLB	MOS6020-333MLB	33	1.1	0.29	20			
994-MOS6020-473MLB	MOS6020-473MLB	47	0.7	0.42	16			
994-MOS6020-683MLB	MOS6020-683MLB	68	0.63	0.52	15			
994-MOS6020-104MLB	MOS6020-104MLB	100	0.56	0.8	13			
994-MOS6020-154MLB	MOS6020-154MLB	150	0.49	1.28	10			
994-MOS6020-224MLB	MOS6020-224MLB	220	0.42	2	8			
994-MOS6020-334MLB	MOS6020-334MLB	330	0.35	2.84	7			
994-MOS6020-474MLB	MOS6020-474MLB	470	0.29	4.4	5			

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MSS FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C

MSS4020 Series

- Dimensions (LxWxH): 4.3mm x 4.3mm x 2mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-MSS4020-332MLB	MSS4020-332MLB	3.3	1.6	0.085	109			
994-MSS4020-472MLB	MSS4020-472MLB	4.7	1.5	0.115	93			
994-MSS4020-562MLB	MSS4020-562MLB	5.6	1.4	0.13	85			
994-MSS4020-682MLB	MSS4020-682MLB	6.8	1.3	0.175	75			
994-MSS4020-822MLB	MSS4020-822MLB	8.2	1.2	0.19	70			
994-MSS4020-103MLB	MSS4020-103MLB	10	1.15	0.21	63			
994-MSS4020-123MLB	MSS4020-123MLB	12	1	0.28	55			
994-MSS4020-153MLB	MSS4020-153MLB	15	0.95	0.33	50			
994-MSS4020-183MLB	MSS4020-183MLB	18	0.85	0.36	42			
994-MSS4020-223MLB	MSS4020-223MLB	22	0.8	0.48	38			
994-MSS4020-273MLB	MSS4020-273MLB	27	0.71	0.56	35			
994-MSS4020-333MLB	MSS4020-333MLB	33	0.67	0.62	31			
994-MSS4020-393MLB	MSS4020-393MLB	39	0.58	0.82	28.5			
994-MSS4020-473MLB	MSS4020-473MLB	47	0.56	0.93	28			
994-MSS4020-563MLB	MSS4020-563MLB	56	0.47	1.2	22			
994-MSS4020-683MLB	MSS4020-683MLB	68	0.43	1.33	18			
994-MSS4020-823MLB	MSS4020-823MLB	82	0.4	1.5	17			
994-MSS4020-104MLB	MSS4020-104MLB	100	0.36	2.1	15			

MSS5121 Series

- Dimensions (LxWxH): 5.1mm x 5.1mm x 2.2mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-MSS5121-222MLB	MSS5121-222MLB	2.2	2.9	0.05	120			
994-MSS5121-332MLB	MSS5121-332MLB	3.3	2.3	0.07	90			
994-MSS5121-472MLB	MSS5121-472MLB	4.7	1.9	0.095	80			
994-MSS5121-562MLB	MSS5121-562MLB	5.6	1.8	0.1	73			
994-MSS5121-682MLB	MSS5121-682MLB	6.8	1.6	0.11	65			
994-MSS5121-822MLB	MSS5121-822MLB	8.2	1.5	0.135	55			
994-MSS5121-103MLB	MSS5121-103MLB	10	1.3	0.16	47			
994-MSS5121-123MLB	MSS5121-123MLB	12	1.2	0.19	41			
994-MSS5121-153MLB	MSS5121-153MLB	15	1.1	0.28	37			
994-MSS5121-183MLB	MSS5121-183MLB	18	1	0.3	35			
994-MSS5121-223MLB	MSS5121-223MLB	22	0.97	0.33	32			
994-MSS5121-273MLB	MSS5121-273MLB	27	0.85	0.42	27			
994-MSS5121-333MLB	MSS5121-333MLB	33	0.76	0.48	25			
994-MSS5121-393MLB	MSS5121-393MLB	39	0.73	0.53	23			
994-MSS5121-473MLB	MSS5121-473MLB	47	0.63	0.75	22			
994-MSS5121-563MLB	MSS5121-563MLB	56	0.6	0.86	19			
994-MSS5121-683MLB	MSS5121-683MLB	68	0.56	1	18			
994-MSS5121-823MLB	MSS5121-823MLB	82	0.47	1.2	15			
994-MSS5121-104MLB	MSS5121-104MLB	100	0.44	1.4	13.5			
994-MSS5121-124MLB	MSS5121-124MLB	120	0.42	1.6	12			
994-MSS5121-154MLB	MSS5121-154MLB	150	0.38	2.1	9			
994-MSS5121-184MLB	MSS5121-184MLB	180	0.34	2.31	8.5			
994-MSS5121-224MLB	MSS5121-224MLB	220	0.29	3.1	7.5			
994-MSS5121-274MLB	MSS5121-274MLB	270	0.27	3.5	7			
994-MSS5121-334MLB	MSS5121-334MLB	330	0.26	4	6.5			
994-MSS5121-394MLB	MSS5121-394MLB	390	0.21	5	5.8			

MSS5131 Series

- Dimensions (LxWxH): 5.1mm x 5.1mm x 3.1mm

MOUSER STOCK NO.	
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COILCRAFT Ferrite Core Inductors



RoHS Compliant This product is RoHS compliant.

MSS FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C

MSS6122 Series (Cont.)

- Dimensions (LxWxH): 6.1mm x 6.1mm x 2.2mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-MSS6122-123MLB	MSS6122-123MLB	12	1.6	0.176	40			
994-MSS6122-153MLB	MSS6122-153MLB	15	1.5	0.21	38			
994-MSS6122-183MLB	MSS6122-183MLB	18	1.4	0.28	35			
994-MSS6122-223MLB	MSS6122-223MLB	22	1.3	0.31	32			
994-MSS6122-273MLB	MSS6122-273MLB	27	1.2	0.35	26			
994-MSS6122-333MLB	MSS6122-333MLB	33	1.1	0.46	22			
994-MSS6122-393MLB	MSS6122-393MLB	39	1	0.54	19			
994-MSS6122-473MLB	MSS6122-473MLB	47	0.9	0.68	18			
994-MSS6122-563MLB	MSS6122-563MLB	56	0.8	0.74	17			
994-MSS6122-683MLB	MSS6122-683MLB	68	0.7	1	16			
994-MSS6122-823MLB	MSS6122-823MLB	82	0.6	1.2	15			
994-MSS6122-104MLB	MSS6122-104MLB	100	0.5	1.37	12			

MSS6132 Series

- Dimensions (LxWxH): 6.1mm x 6.1mm x 3.2mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-MSS6132-472MLB	MSS6132-472MLB	4.7	3.1	0.043	65			
994-MSS6132-562MLB	MSS6132-562MLB	5.6	2.95	0.048	60			
994-MSS6132-682MLB	MSS6132-682MLB	6.8	2.8	0.052	47			
994-MSS6132-822MLB	MSS6132-822MLB	8.2	2.65	0.055	45			
994-MSS6132-103MLB	MSS6132-103MLB	10	2.5	0.07	39			
994-MSS6132-123MLB	MSS6132-123MLB	12	2.35	0.079	33			
994-MSS6132-153MLB	MSS6132-153MLB	15	2.2	0.106	27			
994-MSS6132-183MLB	MSS6132-183MLB	18	2.05	0.118	24			
994-MSS6132-223MLB	MSS6132-223MLB	22	1.9	0.158	21			
994-MSS6132-273MLB	MSS6132-273MLB	27	1.75	0.18	19			
994-MSS6132-333MLB	MSS6132-333MLB	33	1.6	0.25	18			
994-MSS6132-393MLB	MSS6132-393MLB	39	1.45	0.275	17			
994-MSS6132-473MLB	MSS6132-473MLB	47	1.3	0.3	16			
994-MSS6132-563MLB	MSS6132-563MLB	56	1.15	0.38	14			
994-MSS6132-683MLB	MSS6132-683MLB	68	1	0.41	12			
994-MSS6132-823MLB	MSS6132-823MLB	82	0.85	0.51	10			
994-MSS6132-104MLB	MSS6132-104MLB	100	0.69	0.66	9			

MSS7341 Series

- Dimensions (LxWxH): 7.3mm x 7.3mm x 4.1mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSS7341-684KLB	MSS7341-684KLB	680	0.56	1.98	2.5			
Tolerance: 20%								
994-MSS7341-103MLB	MSS7341-103MLB	10	3.8	0.038	32			
994-MSS7341-123MLB	MSS7341-123MLB	12	3.3	0.05	27			
994-MSS7341-153MLB	MSS7341-153MLB	15	3	0.055	26			
994-MSS7341-183MLB	MSS7341-183MLB	18	2.65	0.075	25			
994-MSS7341-223MLB	MSS7341-223MLB	22	2.35	0.082	22			
994-MSS7341-273MLB	MSS7341-273MLB	27	2.1	0.109	19			
994-MSS7341-333MLB	MSS7341-333MLB	33	1.95	0.124	17			
994-MSS7341-393MLB	MSS7341-393MLB	39	1.9	0.13	15			
994-MSS7341-473MLB	MSS7341-473MLB	47	1.85	0.155	14			
994-MSS7341-563MLB	MSS7341-563MLB	56	1.6	0.202	11			
994-MSS7341-683MLB	MSS7341-683MLB	68	1.35	0.25	9.6			
994-MSS7341-823MLB	MSS7341-823MLB	82	1.25	0.29	8.5			
994-MSS7341-104MLB	MSS7341-104MLB	100	1.15	0.31	7.2			
994-MSS7341-224MLB	MSS7341-224MLB	220	0.78	0.71	5			
994-MSS7341-474MLB	MSS7341-474MLB	470	0.57	1.45	3			
Tolerance: 30%								
994-MSS7341-332NLB	MSS7341-332NLB	3.3	5	0.018	85			
994-MSS7341-502NLB	MSS7341-502NLB	5	4.7	0.023	49			
994-MSS7341-622NLB	MSS7341-622NLB	6.2	4.3	0.027	42			
994-MSS7341-742NLB	MSS7341-742NLB	7.4	4.1	0.031	35			
994-MSS7341-872NLB	MSS7341-872NLB	8.7	3.9	0.034	33			

MSS1038 Series

- Dimensions (LxWxH): 10.5mm x 10.2mm x 4mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSS1038-124KLB	MSS1038-124KLB	120	1.25	380	6			
994-MSS1038-154KLB	MSS1038-154KLB	150	1.2	506	6			
994-MSS1038-184KLB	MSS1038-184KLB	180	0.98	582	5			
994-MSS1038-224KLB	MSS1038-224KLB	220	0.97	756	4			
994-MSS1038-274KLB	MSS1038-274KLB	270	0.86	926	4			
994-MSS1038-334KLB	MSS1038-334KLB	330	0.69	1090	4			
994-MSS1038-394KLB	MSS1038-394KLB	390	0.65	1141	3			
994-MSS1038-474KLB	MSS1038-474KLB	470	0.63	1243	3			
994-MSS1038-564KLB	MSS1038-564KLB	560	0.59	1696	3			
994-MSS1038-684KLB	MSS1038-684KLB	680	0.5	1926	3			
994-MSS1038-824KLB	MSS1038-824KLB	820	0.47	2596	3			
994-MSS1038-105KLB	MSS1038-105KLB	1000	0.45	2853	3			
Tolerance: 20%								
994-MSS1038-123MLB	MSS1038-123MLB	12	4	41	25			
994-MSS1038-153MLB	MSS1038-153MLB	15	3.8	50	21			
994-MSS1038-183MLB	MSS1038-183MLB	18	3.35	65	18			

MSS1038 Series (Cont.)

- Dimensions (LxWxH): 10.5mm x 10.2mm x 4mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 20% (Cont.)								
994-MSS1038-223MLB	MSS1038-223MLB	22	2.85	73	15			
994-MSS1038-273MLB	MSS1038-273MLB	27	2.35	89	15			
994-MSS1038-333MLB	MSS1038-333MLB	33	2.3	93	13			
994-MSS1038-393MLB	MSS1038-393MLB	39	2.25	112	12			
994-MSS1038-473MLB	MSS1038-473MLB	47	2.2	128	11			
994-MSS1038-563MLB	MSS1038-563MLB	56	1.85	180	11			
994-MSS1038-683MLB	MSS1038-683MLB	68	1.75	213	10			
994-MSS1038-823MLB	MSS1038-823MLB	82	1.5	261	8			
994-MSS1038-104MLB	MSS1038-104MLB	100	1.45	304	6			
Tolerance: 30%								
994-MSS1038-102NLB	MSS1038-102NLB	1	10	6	138			
994-MSS1038-152NLB	MSS1038-152NLB	1.5	7.85	8.1	81			
994-MSS1038-252NLB	MSS1038-252NLB	2.5	6.65	10	61			
994-MSS1038-382NLB	MSS1038-382NLB	3.8	6.05	13	45			
994-MSS1038-522NLB	MSS1038-522NLB	5.2	5.1	22	37			
994-MSS1038-702NLB	MSS1038-702NLB	7	4.35	27	33			
994-MSS1038-103NLB	MSS1038-103NLB	10	4.05	35	29			

MSS1048 Series

- Dimensions (LxWxH): 10.5mm x 10.3mm x 5.1mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSS1048-154KLB	MSS1048-154KLB	150	1.33	324.4	5			
994-MSS1048-184KLB	MSS1048-184KLB	180	1.24	356.5	4.5			
994-MSS1048-224KLB	MSS1048-224KLB	220	1.18	405.9	4.5			
994-MSS1048-334KLB	MSS1048-334KLB	330	0.82	749.5	3			
994-MSS1048-474KLB	MSS1048-474KLB	470	0.72	901.4	2.7			
Tolerance: 20%								
994-MSS1048-103MLB	MSS1048-103MLB	10	4.79	22.7	24			
994-MSS1048-153MLB	MSS1048-153MLB	15	4.26	36.4	20			
994-MSS1048-223MLB	MSS1048-223MLB	22	3.58	52.2	12			
994-MSS1048-333MLB	MSS1048-333MLB	33	2.8	66	11			
994-MSS1048-473MLB	MSS1048-473MLB	47	2.42	109.9	10			
994-MSS1048-563MLB	MSS1048-563MLB	56	2.28	117.2	10			
994-MSS1048-683MLB	MSS1048-683MLB	68	1.88	173.1	7			
994-MSS1048-823MLB	MSS1048-823MLB	82	1.67	192.8	6			
994-MSS1048-104MLB	MSS1048-104MLB	100	1.48	216.8	6			
Tolerance: 30%								
994-MSS1048-801NLB	MSS1048-801NLB	0.8	12	4.1	180			
994-MSS1048-152NLB	MSS1048-152NLB	1.5	10.8	5.1	90			
994-MSS1048-222NLB	MSS1048-222NLB	2.2	9.78	7.2	70			
994-MSS1048-332NLB	MSS1048-332NLB	3.3	7.22	10.1	50			
994-MSS1048-472NLB	MSS1048-472NLB	4.7	6.9	11.4	38			
994-MSS1048-682NLB	MSS1048-682NLB	6.8	6.01	15.4	35			
994-MSS1048-822NLB	MSS1048-822NLB	8.2	5.71	17.7	28			

MSS1210 Series

- Dimensions (LxWxH): 12.3mm x 12.3mm x 10.2mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSS1210-104KEB	MSS1210-104KEB	100	3.4	0.13	3.6			
994-MSS1210-154KEB	MSS1210-154KEB	150	2.5	0.2	2.9			
994-MSS1210-184KEB	MSS1210-184KEB	180	2.4	0.22	2.8			
994-MSS1210-224KEB	MSS1210-224KEB	220	2.1	0.245	2.7			
994-MSS1210-334KEB	MSS1210-334KEB	330	1.7	0.36	1.7			
994-MSS1210-474KEB	MSS1210-474KEB	470	1.4	0.54	1.6			
994-MSS1210-684KEB	MSS1210-684KEB	680	1.3	0.675	1.4			
994-MSS1210-105KEB	MSS1210-105KEB							

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MSS FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS (CONT.)

Common Features:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C

MSS1246 Series (Cont.)

- Dimensions (LxWxH): 12.3mm x 12.3mm x 4.8mm



MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSS1246-274KLB	MSS1246-274KLB	270	0.95	622.4	4.7			
994-MSS1246-334KLB	MSS1246-334KLB	330	0.87	812.7	4.1			
994-MSS1246-394KLB	MSS1246-394KLB	390	0.79	904.2	3.8			
994-MSS1246-474KLB	MSS1246-474KLB	470	0.76	1039	3.5			
994-MSS1246-564KLB	MSS1246-564KLB	560	0.67	1326	3			
994-MSS1246-684KLB	MSS1246-684KLB	680	0.62	1523	2.8			
994-MSS1246-824KLB	MSS1246-824KLB	820	0.58	1767	2.6			
994-MSS1246-105KLB	MSS1246-105KLB	1000	0.5	2323	2.4			
Tolerance: 20%								
994-MSS1246-102MLB	MSS1246-102MLB	1	8	6.6	100			
994-MSS1246-472MLB	MSS1246-472MLB	4.7	6	21.3	42			
994-MSS1246-562MLB	MSS1246-562MLB	5.6	5.75	24.6	37			
994-MSS1246-682MLB	MSS1246-682MLB	6.8	5.2	27.7	33			
994-MSS1246-822MLB	MSS1246-822MLB	8.2	4.87	30.5	31			
994-MSS1246-103MLB	MSS1246-103MLB	10	4.2	40.9	27			
994-MSS1246-123MLB	MSS1246-123MLB	12	3.95	43.3	24			
994-MSS1246-153MLB	MSS1246-153MLB	15	3.8	54.1	22			
994-MSS1246-183MLB	MSS1246-183MLB	18	3.52	56.7	19			
994-MSS1246-223MLB	MSS1246-223MLB	22	3.4	67	18			
994-MSS1246-273MLB	MSS1246-273MLB	27	2.96	75	16			
994-MSS1246-333MLB	MSS1246-333MLB	33	2.6	90.8	15			
994-MSS1246-393MLB	MSS1246-393MLB	39	2.39	105.8	13.3			
994-MSS1246-473MLB	MSS1246-473MLB	47	2.1	134	12.3			
994-MSS1246-563MLB	MSS1246-563MLB	56	2.01	148.7	10.6			
994-MSS1246-683MLB	MSS1246-683MLB	68	1.8	185.9	9.7			
994-MSS1246-823MLB	MSS1246-823MLB	82	1.72	209.5	8.8			
994-MSS1246-104MLB	MSS1246-104MLB	100	1.6	240.9	8			

MSS1260 Series

- Dimensions (LxWxH): 12.3mm x 12.3mm x 6.2mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSS1260-124KLB	MSS1260-124KLB	120	1.85	195	7			
994-MSS1260-154KLB	MSS1260-154KLB	150	1.66	216	6			
994-MSS1260-184KLB	MSS1260-184KLB	180	1.58	246	6			
994-MSS1260-224KLB	MSS1260-224KLB	220	1.42	335	6			
994-MSS1260-274KLB	MSS1260-274KLB	270	1.45	355	4			
994-MSS1260-334KLB	MSS1260-334KLB	330	1.16	494	4			
994-MSS1260-394KLB	MSS1260-394KLB	390	1.08	533	4			
994-MSS1260-474KLB	MSS1260-474KLB	470	0.96	733	3			
994-MSS1260-564KLB	MSS1260-564KLB	560	0.88	800	3			
994-MSS1260-684KLB	MSS1260-684KLB	680	0.8	910	3			
994-MSS1260-824KLB	MSS1260-824KLB	820	0.73	1152	2			
994-MSS1260-105KLB	MSS1260-105KLB	1000	0.68	1335	2			
Tolerance: 20%								
994-MSS1260-472MLB	MSS1260-472MLB	4.7	7	15.5	33			
994-MSS1260-562MLB	MSS1260-562MLB	5.6	6.4	16.6	30			
994-MSS1260-682MLB	MSS1260-682MLB	6.8	5.9	18.5	27			
994-MSS1260-822MLB	MSS1260-822MLB	8.2	4.8	20	26			
994-MSS1260-103MLB	MSS1260-103MLB	10	4	23.9	22			
994-MSS1260-123MLB	MSS1260-123MLB	12	3.7	27.3	20			
994-MSS1260-153MLB	MSS1260-153MLB	15	3.5	32	18			
994-MSS1260-183MLB	MSS1260-183MLB	18	3.3	33	16			
994-MSS1260-223MLB	MSS1260-223MLB	22	3.1	40.7	15			
994-MSS1260-273MLB	MSS1260-273MLB	27	2.9	52	13			
994-MSS1260-333MLB	MSS1260-333MLB	33	2.7	57	12			
994-MSS1260-393MLB	MSS1260-393MLB	39	2.6	64.5	12			
994-MSS1260-473MLB	MSS1260-473MLB	47	2.5	82	12			
994-MSS1260-563MLB	MSS1260-563MLB	56	2.4	89	10			
994-MSS1260-683MLB	MSS1260-683MLB	68	2.3	105	10			
994-MSS1260-823MLB	MSS1260-823MLB	82	2.2	129	9			
994-MSS1260-104MLB	MSS1260-104MLB	100	2.1	146	8			
Tolerance: 30%								
994-MSS1260-102NBL	MSS1260-102NBL	1	8	6.5	100			
994-MSS1260-152NBL	MSS1260-152NBL	1.5	7.5	9.8	80			
994-MSS1260-222NBL	MSS1260-222NBL	2.2	7	12.8	55			
994-MSS1260-332NBL	MSS1260-332NBL	3.3	7	14	42			

MSS1278 Series

- Dimensions (LxWxH): 12.3mm x 12.3mm x 8.05mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSS1278-124KLB	MSS1278-124KLB	120	1.9	202.6	4.3			
994-MSS1278-154KLB	MSS1278-154KLB	150	1.8	240.6	4.1			
994-MSS1278-184KLB	MSS1278-184KLB	180	1.7	254.5	4			
994-MSS1278-224KLB	MSS1278-224KLB	220	1.6	359.6	3.4			
994-MSS1278-274KLB	MSS1278-274KLB	270	1.2	461.8	3.1			
994-MSS1278-334KLB	MSS1278-334KLB	330	1	541.5	2.9			
994-MSS1278-394KLB	MSS1278-394KLB	390	1	592.9	2.7			
994-MSS1278-474KLB	MSS1278-474KLB	470	0.9	786.2	2.2			
994-MSS1278-564KLB	MSS1278-564KLB	560	0.8	863.8	2			
994-MSS1278-684KLB	MSS1278-684KLB	680	0.75	1162	1.7			
994-MSS1278-824KLB	MSS1278-824KLB	820	0.7	1296	1.4			
994-MSS1278-105KLB	MSS1278-105KLB	1000	0.68	1483	1.3			
Tolerance: 20%								
994-MSS1278-142MLB	MSS1278-142MLB	1.4	10	9.8	80			
994-MSS1278-472MLB	MSS1278-472MLB	4.7	6.2	15.5	30			

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MSS1278 Series (Cont.)

- Dimensions (LxWxH): 12.3mm x 12.3mm x 8.05mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-MSS1278-562MLB	MSS1278-562MLB	5.6	6.2	17.5	24			
994-MSS1278-682MLB	MSS1278-682MLB	6.8	6	21.3	21			
994-MSS1278-822MLB	MSS1278-822MLB	8.2	5.9	22.6	20			
994-MSS1278-103MLB	MSS1278-103MLB	10	5.7	24.3	17			
994-MSS1278-123MLB	MSS1278-123MLB	12	5.2	25.8	15			
994-MSS1278-153MLB	MSS1278-153MLB	15	4.9	31	13			
994-MSS1278-183MLB	MSS1278-183MLB	18	4.5	34.3	12			
994-MSS1278-223MLB	MSS1278-223MLB	22	4	39.5	11			
994-MSS1278-273MLB	MSS1278-273MLB	27	3.6	50	10			
994-MSS1278-333MLB	MSS1278-333MLB	33	3.1	68.8	9.5			
994-MSS1278-393MLB	MSS1278-393MLB	39	3	76.8	8.5			
994-MSS1278-473MLB	MSS1278-473MLB	47	2.9	80.4	7.5			
994-MSS1278-563MLB	MSS1278-563MLB	56	2.7	89.2	7			
994-MSS1278-683MLB	MSS1278-683MLB	68	2.6	101.5	6.5			
994-MSS1278-823MLB	MSS1278-823MLB	82	2.3	139.9	5			
994-MSS1278-104MLB	MSS1278-104MLB	100	2.2	150.2	4.5			

MSS FAMILY - HIGH TEMPERATURE SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS

Common Features:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +125°C

MSS7341T Series

- Dimensions (LxWxH): 7.3mm x 7.3mm x 4.1mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSS7341T-474KLB	MSS7341T-474KLB	470	0.57	1.45	3			
994-MSS7341T-684KLB	MSS7341T-684KLB	680	0.56	1.98	2.5			
Tolerance: 20%								
994-MSS7341T-103MLB	MSS7341T-103MLB	10	3.8	0.038	32			
994-MSS7341T-123MLB	MSS7341T-123MLB	12	3.3	0.05	27			
994-MSS7341T-153MLB	MSS7341T-153MLB	15	3	0.055	26			
994-MSS7341T-183MLB	MSS7341T-183MLB	18	2.65	0.075	25			
994-MSS7341T-223MLB	MSS7341T-223MLB	22	2.35	0.082	22			
994-MSS7341T-273MLB	MSS7341T-273MLB	27	2.1	0.109	19			
994-MSS7341T-333MLB	MSS7341T-333MLB	33	1.95	0.124	17			
994-MSS7341T-393MLB	MSS7341T-393MLB	39	1.9	0.13	15			

COILCRAFT Ferrite Core Inductors



This product is RoHS compliant.

MSS FAMILY - HIGH TEMPERATURE SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +125°C

MSS1048T Series

- Dimensions (LxWxH): 10.5mm x 10.3mm x 5.1mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSS1048T-154KLB	MSS1048T-154KLB	150	1.33	324.4	5			
994-MSS1048T-184KLB	MSS1048T-184KLB	180	1.24	356.5	4.5			
994-MSS1048T-224KLB	MSS1048T-224KLB	220	1.18	405.9	4.5			
994-MSS1048T-334KLB	MSS1048T-334KLB	330	0.82	749.5	3			
994-MSS1048T-474KLB	MSS1048T-474KLB	470	0.72	901.4	2.7			
Tolerance: 20%								
994-MSS1048T-153MLB	MSS1048T-153MLB	15	4.26	36.4	20			
994-MSS1048T-223MLB	MSS1048T-223MLB	22	3.58	52.2	12			
994-MSS1048T-333MLB	MSS1048T-333MLB	33	2.8	66	11			
994-MSS1048T-473MLB	MSS1048T-473MLB	47	2.42	109.9	10			
994-MSS1048T-563MLB	MSS1048T-563MLB	56	2.28	117.2	10			
994-MSS1048T-683MLB	MSS1048T-683MLB	68	1.88	173.1	7			
994-MSS1048T-823MLB	MSS1048T-823MLB	82	1.67	192.8	6			
994-MSS1048T-104MLB	MSS1048T-104MLB	100	1.48	216.8	6			
Tolerance: 30%								
994-MSS1048T-801NBL	MSS1048T-801NBL	0.8	12	4.1	180			
994-MSS1048T-152NBL	MSS1048T-152NBL	1.5	10.8	5.1	90			
994-MSS1048T-222NBL	MSS1048T-222NBL	2.2	9.78	7.2	70			
994-MSS1048T-332NBL	MSS1048T-332NBL	3.3	7.22	10.1	50			
994-MSS1048T-472NBL	MSS1048T-472NBL	4.7	6.9	11.4	38			
994-MSS1048T-682NBL	MSS1048T-682NBL	6.8	6.01	15.4	35			
994-MSS1048T-822NBL	MSS1048T-822NBL	8.2	5.71	17.7	28			
994-MSS1048T-103NBL	MSS1048T-103NBL	10	4.79	22.7	24			

MSS1246T Series

- Dimensions (LxWxH): 12.3mm x 12.3mm x 4.8mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSS1246T-124KLB	MSS1246T-124KLB	120	1.42	319.2	7.2			
994-MSS1246T-154KLB	MSS1246T-154KLB	150	1.3	363	6.6			
994-MSS1246T-184KLB	MSS1246T-184KLB	180	1.21	421.7	5.9			
994-MSS1246T-224KLB	MSS1246T-224KLB	220	1	542.5	5.3			
994-MSS1246T-274KLB	MSS1246T-274KLB	270	0.95	622.4	4.7			
994-MSS1246T-334KLB	MSS1246T-334KLB	330	0.87	812.7	4.1			
994-MSS1246T-394KLB	MSS1246T-394KLB	390	0.79	813	3.8			
994-MSS1246T-474KLB	MSS1246T-474KLB	470	0.76	1039	3.5			
994-MSS1246T-564KLB	MSS1246T-564KLB	560	0.67	1326	3			
994-MSS1246T-684KLB	MSS1246T-684KLB	680	0.62	1523	2.8			
994-MSS1246T-824KLB	MSS1246T-824KLB	820	0.58	1767	2.6			
994-MSS1246T-105KLB	MSS1246T-105KLB	1000	0.5	2323	2.4			
Tolerance: 20%								
994-MSS1246T-102MLB	MSS1246T-102MLB	1	8	6.3	100			
994-MSS1246T-152MLB	MSS1246T-152MLB	1.5	7.8	9.7	85			
994-MSS1246T-272MLB	MSS1246T-272MLB	2.7	6.8	11.5	70			
994-MSS1246T-332MLB	MSS1246T-332MLB	3.3	6.3	16.8	65			
994-MSS1246T-472MLB	MSS1246T-472MLB	4.7	6	21.3	42			
994-MSS1246T-562MLB	MSS1246T-562MLB	5.6	5.75	24.6	37			
994-MSS1246T-682MLB	MSS1246T-682MLB	6.8	5.2	27.7	33			
994-MSS1246T-822MLB	MSS1246T-822MLB	8.2	4.67	30.5	31			
994-MSS1246T-103MLB	MSS1246T-103MLB	10	3.9	40.9	27			
994-MSS1246T-123MLB	MSS1246T-123MLB	12.3	3.65	43.3	24			
994-MSS1246T-153MLB	MSS1246T-153MLB	15	3.4	54.1	22			
994-MSS1246T-183MLB	MSS1246T-183MLB	18	3.19	56.7	19			
994-MSS1246T-223MLB	MSS1246T-223MLB	22	3.14	67	18			
994-MSS1246T-273MLB	MSS1246T-273MLB	27	2.86	75	16			
994-MSS1246T-333MLB	MSS1246T-333MLB	33	2.6	90.8	15			
994-MSS1246T-393MLB	MSS1246T-393MLB	39	2.39	105.8	13.3			
994-MSS1246T-473MLB	MSS1246T-473MLB	47	2.1	134	12.3			
994-MSS1246T-563MLB	MSS1246T-563MLB	56	2.01	148.7	10.6			
994-MSS1246T-683MLB	MSS1246T-683MLB	68	1.8	185.9	9.7			
994-MSS1246T-823MLB	MSS1246T-823MLB	82	1.72	209.5	8.8			
994-MSS1246T-104MLB	MSS1246T-104MLB	100	1.65	240.9	8			

MSS1260T Series

- Dimensions (LxWxH): 12.3mm x 12.3mm x 6.2mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSS1260T-124KLB	MSS1260T-124KLB	120	1.85	195	6.8			
994-MSS1260T-154KLB	MSS1260T-154KLB	150	1.66	216	6.4			
994-MSS1260T-184KLB	MSS1260T-184KLB	180	1.58	246	6.1			
994-MSS1260T-224KLB	MSS1260T-224KLB	220	1.42	335	5.5			
994-MSS1260T-274KLB	MSS1260T-274KLB	270	1.45	355	4.3			
994-MSS1260T-334KLB	MSS1260T-334KLB	330	1.16	494	4			
994-MSS1260T-394KLB	MSS1260T-394KLB	390	1.08	533	3.6			
994-MSS1260T-474KLB	MSS1260T-474KLB	470	0.96	733	3			
994-MSS1260T-564KLB	MSS1260T-564KLB	560	0.88	800	2.8			
994-MSS1260T-684KLB	MSS1260T-684KLB	680	0.8	910	2.6			
994-MSS1260T-824KLB	MSS1260T-824KLB	820	0.73	1152	2.5			
994-MSS1260T-105KLB	MSS1260T-105KLB	1000	0.68	1335	2.4			
Tolerance: 20%								
994-MSS1260T-472MLB	MSS1260T-472MLB	4.7	7	15.5	38			
994-MSS1260T-562MLB	MSS1260T-562MLB	5.6	6.4	16.6	30			
994-MSS1260T-682MLB	MSS1260T-682MLB	6.8	5.9	18.5	27			
994-MSS1260T-822MLB	MSS1260T-822MLB	8.2	4.8	20	26			

MSS FAMILY - HIGH TEMPERATURE SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +125°C

MSS1260T Series (Cont)

- Dimensions (LxWxH): 12.3mm x 12.3mm x 6.2mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 20%								
994-MSS1260T-103MLB	MSS1260T-103MLB	10	4	23.9	22			
994-MSS1260T-123MLB	MSS1260T-123MLB	12	3.7	27.3	20			
994-MSS1260T-153MLB	MSS1260T-153MLB	15	3.5	32	18			
994-MSS1260T-183MLB	MSS1260T-183MLB	18	3.3	33	16			
994-MSS1260T-223MLB	MSS1260T-223MLB	22	3.1	40.7	15			
994-MSS1260T-273MLB	MSS1260T-273MLB	27	2.9	52	13			
994-MSS1260T-333MLB	MSS1260T-333MLB	33	2.7	57	12.4			
994-MSS1260T-393MLB	MSS1260T-393MLB	39	2.6	64.5	12			
994-MSS1260T-473MLB	MSS1260T-473MLB	47	2.5	82	11.6			
994-MSS1260T-563MLB	MSS1260T-563MLB	56	2.4	89	10.5			
994-MSS1260T-683MLB	MSS1260T-683MLB	68	2.3	105	10			
994-MSS1260T-823MLB	MSS1260T-823MLB	82	2.2	129	8.6			
994-MSS1260T-104MLB	MSS1260T-104MLB	100	2.1	146	7.8			
Tolerance: 30%								
994-MSS1260T-102NBL	MSS1260T-102NBL	1	8	6.5	100			
994-MSS1260T-152NBL	MSS1260T-152NBL	1.5	7.6	9.8	80			
994-MSS1260T-222NBL	MSS1260T-222NBL	2.2	7.3	12.8	55			
994-MSS1260T-332NBL	MSS1260T-332NBL	3.3	7	14	42			

MSS1278T Series

- Dimensions (LxWxH): 12.3mm x 12.3mm x 8.05mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 10%								
994-MSS1278T-124KLB	MSS1278T-124KLB	120	1.9	202.6	4.3			
994-MSS1278T-154KLB	MSS1278T-154KLB	150	1.8	240.6	4.1			
994-MSS1278T-184KLB	MSS1278T-184KLB	180	1.7	254.5	4			
994-MSS1278T-224KLB	MSS1278T-224KLB	220	1.6	359.6	3.4			
994-MSS1278T-274KLB	MSS1278T-274KLB	270	1.2	461.8	3.1			
994-MSS1278T-334KLB	MSS1278T-334KLB	330	1	541.5	2.9			
994-MSS1278T-394KLB	MSS1278T-394KLB	390	1	592.9	2.7			
994-MSS1278T-474KLB	MSS1278T-474KLB	470	0.9	786.2	2.2			
994-MSS1278T-564KLB	MSS1278T-564KLB	560	0.8	863.8	2			
994-MSS1278T-684KLB	MSS1278T-684KLB	680	0.75	1162	1.7			
994-MSS1278T-824KLB	MSS1278T-824KLB	820	0.7	1296	1.4			
994-MSS1278T-105KLB	MSS1278T-105KLB	1000	0.68	1482	1.3			
Tolerance: 20%								
994-MSS1278T-472MLB	MSS1278T							

COILCRAFT Ferrite Core Inductors



NEW SUPPLIER

PS FAMILY - SMD FIXED SHIELDED FERRITE CORE POWER INDUCTOR (CONT.)

Common Specifications:

- Test Frequency: 100kHz

0805PS Series

- Operating Temperature Range: -40°C to +65°C • Dimensions (LxWxH): 3.38mm x 3mm x 2mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-0805PS-102KLB	0805PS-102KLB	1	1.6	0.14	340			
994-0805PS-152KLB	0805PS-152KLB	1.5	1.3	0.18	265			
994-0805PS-272KLB	0805PS-272KLB	2.7	0.88	0.35	190			
994-0805PS-332KLB	0805PS-332KLB	3.3	0.7	0.5	180			
994-0805PS-392KLB	0805PS-392KLB	3.9	0.61	0.74	165			
994-0805PS-472KLB	0805PS-472KLB	4.7	0.59	0.85	155			
994-0805PS-562KLB	0805PS-562KLB	5.6	0.57	0.91	143			
994-0805PS-682KLB	0805PS-682KLB	6.8	0.46	1.37	118			
994-0805PS-103KLB	0805PS-103KLB	10	0.43	1.51	66			
994-0805PS-153KLB	0805PS-153KLB	15	0.34	2.04	34			
994-0805PS-223KLB	0805PS-223KLB	22	0.33	2.48	22			
994-0805PS-333KLB	0805PS-333KLB	33	0.28	3	17			
994-0805PS-473KLB	0805PS-473KLB	47	0.26	3.85	15			
994-0805PS-683KLB	0805PS-683KLB	68	0.24	4.42	12			
994-0805PS-823KLB	0805PS-823KLB	82	0.21	6	12			
994-0805PS-104KLB	0805PS-104KLB	100	0.19	6.96	9			
994-0805PS-124KLB	0805PS-124KLB	120	0.18	7.51	8			
994-0805PS-154KLB	0805PS-154KLB	150	0.18	8.33	5			
994-0805PS-224KLB	0805PS-224KLB	220	0.14	13.71	5			
994-0805PS-334KLB	0805PS-334KLB	330	0.11	20.53	4			

1008PS Series

- Operating Temperature Range: -40°C to +105°C • Dimensions (LxWxH): 3.81mm x 3.78mm x 2.74mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-1008PS-102KLB	1008PS-102KLB	1	2	0.05	387			
994-1008PS-152KLB	1008PS-152KLB	1.5	2	0.06	276			
994-1008PS-182KLB	1008PS-182KLB	1.8	1.4	0.09	253			
994-1008PS-222KLB	1008PS-222KLB	2.2	1.7	0.1	228			
994-1008PS-272KLB	1008PS-272KLB	2.7	1.4	0.14	207			
994-1008PS-332KLB	1008PS-332KLB	3.3	0.67	0.84	199			
994-1008PS-392KLB	1008PS-392KLB	3.9	1.1	0.26	185			
994-1008PS-472KLB	1008PS-472KLB	4.7	0.95	0.35	160			
994-1008PS-562KLB	1008PS-562KLB	5.6	0.87	0.36	150			
994-1008PS-682KLB	1008PS-682KLB	6.8	0.76	0.58	120			
994-1008PS-103KLB	1008PS-103KLB	10	0.59	0.92	105			
994-1008PS-153KLB	1008PS-153KLB	15	0.51	1.15	35			
994-1008PS-223KLB	1008PS-223KLB	22	0.44	1.4	26			
994-1008PS-333KLB	1008PS-333KLB	33	0.42	1.61	20			
994-1008PS-393KLB	1008PS-393KLB	39	0.39	1.85	16			
994-1008PS-473KLB	1008PS-473KLB	47	0.31	2.5	19			
994-1008PS-683KLB	1008PS-683KLB	68	0.26	3.8	12			
994-1008PS-823KLB	1008PS-823KLB	82	0.26	4.3	9			
994-1008PS-124KLB	1008PS-124KLB	120	0.2	6.3	7			
994-1008PS-154KLB	1008PS-154KLB	150	0.18	7.5	6			
994-1008PS-224KLB	1008PS-224KLB	220	0.17	10	5			
994-1008PS-334KLB	1008PS-334KLB	330	0.15	11.5	4			
994-1008PS-474KLB	1008PS-474KLB	470	0.13	16.3	3			
994-1008PS-564KLB	1008PS-564KLB	560	0.12	18.1	3			
994-1008PS-684KLB	1008PS-684KLB	680	0.11	24	2			
994-1008PS-824KLB	1008PS-824KLB	820	0.1	26	2			
994-1008PS-104KLB	1008PS-104KLB	100	0.2	5.8	7			
994-1008PS-105KLB	1008PS-105KLB	1000	0.1	29	2			

1812PS Series

- Operating Temperature Range: -40°C to +105°C • Dimensions (LxWxH): 5.87mm x 4.98mm x 3.81mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-1812PS-102JLB	1812PS-102JLB	1	2.7	0.05	685			
994-1812PS-122JLB	1812PS-122JLB	1.2	2.6	0.06	460			
994-1812PS-152JLB	1812PS-152JLB	1.5	2.6	0.06	460			
994-1812PS-222JLB	1812PS-222JLB	2.2	2.4	0.07	270			
994-1812PS-272JLB	1812PS-272JLB	2.7	2.3	0.08	265			
994-1812PS-332JLB	1812PS-332JLB	3.3	2.3	0.09	225			
994-1812PS-392JLB	1812PS-392JLB	3.9	2.2	0.11	170			
994-1812PS-472JLB	1812PS-472JLB	4.7	2.1	0.11	165			
994-1812PS-562JLB	1812PS-562JLB	5.6	2.1	0.12	155			
994-1812PS-682JLB	1812PS-682JLB	6.8	1.9	0.13	140			
994-1812PS-103JLB	1812PS-103JLB	10	1.7	0.17	120			
994-1812PS-153JLB	1812PS-153JLB	15	1.45	0.26	100			
994-1812PS-223JLB	1812PS-223JLB	22	1.2	0.33	45			
994-1812PS-333JLB	1812PS-333JLB	33	1.1	0.4	30			
994-1812PS-393JLB	1812PS-393JLB	39	1	0.56	30			
994-1812PS-473JLB	1812PS-473JLB	47	0.8	0.87	28			
994-1812PS-683JLB	1812PS-683JLB	68	0.67	1.08	17			
994-1812PS-823JLB	1812PS-823JLB	82	0.65	1.25	17			
994-1812PS-104JLB	1812PS-104JLB	100	0.65	1.32	14			
994-1812PS-124JLB	1812PS-124JLB	120	0.6	1.45	12			
994-1812PS-154JLB	1812PS-154JLB	150	0.51	2.2	11			
994-1812PS-224JLB	1812PS-224JLB	220	0.47	2.65	7			
994-1812PS-334JLB	1812PS-334JLB	330	0.31	4.85	6			
994-1812PS-474JLB	1812PS-474JLB	470	0.31	5.85	4			
994-1812PS-564JLB	1812PS-564JLB	560	0.28	6.1	3			

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PS FAMILY - SMD FIXED SHIELDED FERRITE CORE POWER INDUCTOR (CONT.)

Common Specifications:

- Test Frequency: 100kHz

1812PS Series (Cont.)

- Operating Temperature Range: -40°C to +105°C • Dimensions (LxWxH): 5.87mm x 4.98mm x 3.81mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
Tolerance: 5%								
994-1812PS-684JLB	1812PS-684JLB	680	0.28	6.6	2			
994-1812PS-824JLB	1812PS-824JLB	820	0.25	7.35	2			
994-1812PS-105JLB	1812PS-105JLB	1000	0.22	10	2			
Tolerance: 10%								
994-1812PS-102KLB	1812PS-102KLB	1	2.7	0.05	685			
994-1812PS-122KLB	1812PS-122KLB	1.2	2.6	0.06	460			
994-1812PS-152KLB	1812PS-152KLB	1.5	2.6	0.06	460			
994-1812PS-222KLB	1812PS-222KLB	2.2	2.4	0.07	270			
994-1812PS-272KLB	1812PS-272KLB	2.7	2.3	0.08	265			
994-1812PS-332KLB	1812PS-332KLB	3.3	2.3	0.09	225			
994-1812PS-392KLB	1812PS-392KLB	3.9	2.2	0.11	170			
994-1812PS-472KLB	1812PS-472KLB	4.7	2.1	0.11	165			
994-1812PS-562KLB	1812PS-562KLB	5.6	2.1	0.12	155			
994-1812PS-682KLB	1812PS-682KLB	6.8	1.9	0.13	140			
994-1812PS-103KLB	1812PS-103KLB	10	1.7	0.17	120			
994-1812PS-153KLB	1812PS-153KLB	15	1.45	0.26	100			
994-1812PS-223KLB	1812PS-223KLB	22	1.2	0.33	45			
994-1812PS-333KLB	1812PS-333KLB	33	1.1	0.4	30			
994-1812PS-393KLB	1812PS-393KLB	39	1	0.56	30			
994-1812PS-473KLB	1812PS-473KLB	47	0.8	0.87	28			
994-1812PS-683KLB	1812PS-683KLB	68	0.67	1.08	17			
994-1812PS-823KLB	1812PS-823KLB	82	0.65	1.25	17			
994-1812PS-104KLB	1812PS-104KLB	100	0.65	1.32	14			
994-1812PS-124KLB	1812PS-124KLB	120	0.6	1.45	12			
994-1812PS-154KLB	1812PS-154KLB	150	0.51	2.2	11			
994-1812PS-224KLB	1812PS-224KLB	220	0.47	2.65	7			
994-1812PS-334KLB	1812PS-334KLB	330	0.31	4.85	6			
994-1812PS-474KLB	1812PS-474KLB	470	0.31	5.85	4			
994-1812PS-564KLB	1812PS-564KLB	560	0.28	6.1	3			
994-1812PS-684KLB	1812PS-684KLB	680	0.28	6.6	2			
994-1812PS-824KLB	1812PS-824KLB	820	0.25	7.35	2			
994-1812PS-105KLB	1812PS-105KLB	1000	0.22	10	2			

SER FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C

SER8050 Series

- Dimensions (LxWxH): 8.8mm x 8.5mm x 5mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SER8050-501MEB	SER8050-501MEB	0.5	13.52					

COILCRAFT Ferrite Core Inductors



This page of product is RoHS compliant.



SER FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C

SER1360 Series (Cont.)

- Dimensions (LxWxH): 13mm x 12.9mm x 5.8mm
- Tolerance: 10%



MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SER1360-802KLB	SER1360-802KLB	8	7.6	10.81	26			
994-SER1360-103KLB	SER1360-103KLB	10	7.2	10.81	24			

SER1390 Series

- Dimensions (LxWxH): 13.5mm x 13.5mm x 9mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER1390-103MLB	SER1390-103MLB	10	5.34	15	26.9	
994-SER1390-153MLB	SER1390-153MLB	15	6.08	15	24.3	
994-SER1390-223MLB	SER1390-223MLB	22	7.00	23.1	20.3	
994-SER1390-333MLB	SER1390-333MLB	33	5.95	23.1	15.7	
994-SER1390-473MLB	SER1390-473MLB	47	7.03	23.1	13.2	

SER1408 Series

- Dimensions (LxWxH): 15.24mm x 12mm x 8.26mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER1408-301MEB	SER1408-301MEB	0.3	42	0.55	140	
994-SER1408-501MEB	SER1408-501MEB	0.5	42	0.484	83	
994-SER1408-681MEB	SER1408-681MEB	0.68	42	0.55	63	
994-SER1408-102MEB	SER1408-102MEB	1	42	0.55	48	

SER1410 Series

- Dimensions (LxWxH): 15.24mm x 12mm x 10.56mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER1410-152MEB	SER1410-152MEB	1.5	39	0.99	53	
994-SER1410-202MEB	SER1410-202MEB	2	39	0.99	45	

SER1412 Series

- Dimensions (LxWxH): 15.24mm x 12mm x 12.66mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER1412-301MEB	SER1412-301MEB	0.3	37	1.43	154	
994-SER1412-501MEB	SER1412-501MEB	0.5	37	1.43	122	
994-SER1412-681MEB	SER1412-681MEB	0.68	37	1.43	100	
994-SER1412-102MEB	SER1412-102MEB	1	37	1.43	78	
994-SER1412-152MEB	SER1412-152MEB	1.5	37	1.43	62	
994-SER1412-202MEB	SER1412-202MEB	2	37	1.43	50	
994-SER1412-362MEB	SER1412-362MEB	3.6	37	1.43	35	

SER1590 Series

- Dimensions (LxWxH): 16.26mm x 15.75mm x 10.16mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER1590-301MLB	SER1590-301MLB	0.3	32	0.72	260	
994-SER1590-501MLB	SER1590-501MLB	0.5	27	0.94	202	
994-SER1590-601MLB	SER1590-601MLB	0.6	27	0.94	182	
994-SER1590-681MLB	SER1590-681MLB	0.68	27	0.94	160	
994-SER1590-801MLB	SER1590-801MLB	0.8	27	0.94	123	
994-SER1590-901MLB	SER1590-901MLB	0.9	22	1.5	160	
994-SER1590-102MLB	SER1590-102MLB	1	27	0.94	115	
994-SER1590-122MLB	SER1590-122MLB	1.2	22	1.5	90	
994-SER1590-152MLB	SER1590-152MLB	1.5	22	1.5	73	

SER2009 Series

- Dimensions (LxWxH): 19.69mm x 19.55mm x 8.64mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER2009-301MLB	SER2009-301MLB	0.3	54	0.74	550	
994-SER2009-501MLB	SER2009-501MLB	0.5	54	0.74	544	
994-SER2009-601MLB	SER2009-601MLB	0.6	54	0.74	648	
994-SER2009-681MLB	SER2009-681MLB	0.68	54	0.74	454	
994-SER2009-801MLB	SER2009-801MLB	0.8	54	0.74	567	
994-SER2009-901MLB	SER2009-901MLB	0.9	54	0.74	557	
994-SER2009-102MLB	SER2009-102MLB	1	54	0.74	488	
994-SER2009-122MLB	SER2009-122MLB	1.2	54	0.74	81	
994-SER2009-202MLB	SER2009-202MLB	2	54	0.74	40	

SER2010 Series

- Dimensions (LxWxH): 19.69mm x 19.55mm x 9.4mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER2010-301MLB	SER2010-301MLB	0.3	45	1	182	
994-SER2010-501MLB	SER2010-501MLB	0.5	45	1	148	
994-SER2010-601MLB	SER2010-601MLB	0.6	45	1	115	
994-SER2010-681MLB	SER2010-681MLB	0.68	45	1	136	
994-SER2010-801MLB	SER2010-801MLB	0.8	45	1	92	
994-SER2010-901MLB	SER2010-901MLB	0.9	45	1	96	
994-SER2010-102MLB	SER2010-102MLB	1	45	1	81	
994-SER2010-122MLB	SER2010-122MLB	1.2	45	1	69	
994-SER2010-202MLB	SER2010-202MLB	2	45	1	48	

SER2011 Series

- Dimensions (LxWxH): 19.69mm x 19.55mm x 10.67mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER2011-501MLB	SER2011-501MLB	0.5	40	1.34	161	
994-SER2011-601MLB	SER2011-601MLB	0.6	40	1.34	124	
994-SER2011-681MLB	SER2011-681MLB	0.68	40	1.34	135	
994-SER2011-801MLB	SER2011-801MLB	0.8	40	1.34	113	
994-SER2011-901MLB	SER2011-901MLB	0.9	40	1.34	104	
994-SER2011-102MLB	SER2011-102MLB	1	40	1.34	97	
994-SER2011-122MLB	SER2011-122MLB	1.2	40	1.34	81	
994-SER2011-202MLB	SER2011-202MLB	2	40	1.34	56	

SER2012 Series

- Dimensions (LxWxH): 19.69mm x 19.55mm x 11.94mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER2012-601MLB	SER2012-601MLB	0.6	35	1.6	115	
994-SER2012-681MLB	SER2012-681MLB	0.68	35	1.6	103	
994-SER2012-801MLB	SER2012-801MLB	0.8	35	1.6	91	
994-SER2012-901MLB	SER2012-901MLB	0.9	35	1.6	85	
994-SER2012-102MLB	SER2012-102MLB	1	35	1.6	75	

SER FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C

SER2012 Series (Cont.)

- Dimensions (LxWxH): 19.69mm x 19.55mm x 11.94mm
- Tolerance: 20%



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER2012-122MLB	SER2012-122MLB	1.2	35	1.6	73	
994-SER2012-202MLB	SER2012-202MLB	2	35	1.6	51	

SER2013 Series

- Dimensions (LxWxH): 19.69mm x 19.55mm x 12.95mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER2013-681MLB	SER2013-681MLB	0.68	30	1.82	104	
994-SER2013-801MLB	SER2013-801MLB	0.8	30	1.82	93	
994-SER2013-901MLB	SER2013-901MLB	0.9	30	1.82	98	
994-SER2013-102MLB	SER2013-102MLB	1	30	1.82	98	
994-SER2013-122MLB	SER2013-122MLB	1.2	30	1.82	82	
994-SER2013-202MLB	SER2013-202MLB	2	30	1.82	61	
994-SER2013-362MLB	SER2013-362MLB	3.6	30	1.82	38	
994-SER2013-402MLB	SER2013-402MLB	4	30	1.82	35	
994-SER2013-472MLB	SER2013-472MLB	4.7	30	1.82	30	

SER2014 Series

- Dimensions (LxWxH): 19.69mm x 19.55mm x 13.97mm
- Tolerance: 20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER2014-801MLB	SER2014-801MLB	0.8	27	2.15	104	
994-SER2014-901MLB	SER2014-901MLB	0.9	27	2.15	102	
994-SER2014-102MLB	SER2014-102MLB	1	27	2.15	88	
994-SER2014-122MLB	SER2014-122MLB	1.2	27	2.15	78	
994-SER2014-202MLB	SER2014-202MLB	2	27	2.15	62	
994-SER2014-402MLB	SER2014-402MLB	4	27	2.15	36	

SER2015H Series

- Dimensions (LxWxH): 27.9mm x 19.8mm x 15.36mm
- Tolerance: 10%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER2015H-222KLB	SER2015H-222KLB	2.2	30	2.05	40	
994-SER2015H-332KLB	SER2015H-332KLB	3.3	30	2.05	30	
994-SER2015H-472KLB	SER2015H-472KLB	4.7	30	2.05	25	
994-SER2015H-682KLB	SER2015H-682KLB	6.8	30	2.05	20	
994-SER2015H-103KLB	SER2015H-103KLB	10	30	2.05	15	
994-SER2015H-153KLB	SER2015H-153KLB	15	30	2.05	12	
994-SER2015H-223KLB	SER2015H-223KLB	22	30	2.05	10	
994-SER2015H-333KLB	SER2015H-333KLB	33	30	2.05	8	

SER2015L Series

- Dimensions (LxWxH): 27.9mm x 19.8mm x 15.36mm
- Tolerance: 10%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each
994-SER2015L-152KLB	SER2015L-152KLB	1.5	30	1.65	60	
994-SER2015L-222KLB	SER2015L-222KLB	2.2	30	1.65	50	
994-SER2015L-332KLB	SER2015L-332KLB	3.3	30	1.65	40	
994-SER2015L-472KLB	SER2015L-472KLB	4.7	30	1.65	30	
994-SER2015L-682KLB	SER2015L-682KLB	6.8	30	1.65	25	
994-SER2015L-103KLB	SER2015L-103KLB	10	30	1.65	20	
994-SER2015L-153KLB	SER2015L-153KLB	15	30	1.65	15	
994-SER2015L-223KLB	SER2015L-223KLB	22	30	1.65	10	
994-SER2015L-333KLB	SER2015L-333KLB	33	30	1.65	7	

SER2018H Series

- Dimensions (LxWxH): 27.9mm x 19.8mm x 17.78mm
- Tolerance: 10%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each</
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COILCRAFT Ferrite Core Inductors



NEW SUPPLIER

SLC FAMILY - SMD SHIELDED FERRITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Operating Temperature Range: -40°C to +85°C

SLC7530S Series

- Dimensions (LxWxH): 7.5mm x 6.7mm x 3mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SLC7530S-500MLB	SLC7530S-500MLB	50	40	0.123	3750			
994-SLC7530S-640MLB	SLC7530S-640MLB	64	40	0.123	3650			
994-SLC7530S-820MLB	SLC7530S-820MLB	82	40	0.123	3750			
994-SLC7530S-101MLB	SLC7530S-101MLB	100	40	0.123	3750			

SLC7649 Series

- Dimensions (LxWxH): 7.62mm x 7.49mm x 4.96mm
- Tolerance: 10%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SLC7649S-360KLB	SLC7649S-360KLB	36	39	0.1785	1150			
994-SLC7649S-500KLB	SLC7649S-500KLB	50	39	0.1785	900			
994-SLC7649S-700KLB	SLC7649S-700KLB	70	39	0.1785	750			
994-SLC7649S-101KLB	SLC7649S-101KLB	100	39	0.1785	110			
994-SLC7649S-121KLB	SLC7649S-121KLB	120	39	0.1785	78			
994-SLC7649S-151KLB	SLC7649S-151KLB	150	39	0.1785	67			

SLC1049 Series

- Dimensions (LxWxH): 10.2mm x 6.88mm x 5.16mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SLC1049-750MLB	SLC1049-750MLB	75	43	0.246	200			
994-SLC1049-101MLB	SLC1049-101MLB	100	43	0.246	145			
994-SLC1049-121MLB	SLC1049-121MLB	125	43	0.246	140			
994-SLC1049-151MLB	SLC1049-151MLB	150	43	0.246	133			
994-SLC1049-231MLB	SLC1049-231MLB	230	43	0.246	70			

SLC1175 Series

- Dimensions (LxWxH): 11mm x 7.65mm x 7.2mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SLC1175-700MEB	SLC1175-700MEB	70	35.5	0.228	179			
994-SLC1175-121MEB	SLC1175-121MEB	120	35.5	0.228	144			
994-SLC1175-151MEB	SLC1175-151MEB	150	35.5	0.228	95			
994-SLC1175-171MEB	SLC1175-171MEB	170	35.5	0.228	73			
994-SLC1175-201MEB	SLC1175-201MEB	200	35.5	0.228	64			
994-SLC1175-231MEB	SLC1175-231MEB	230	35.5	0.228	61			
994-SLC1175-271MEB	SLC1175-271MEB	270	35.5	0.228	52			
994-SLC1175-301MEB	SLC1175-301MEB	300	35.5	0.228	48			

SLC1480 Series

- Dimensions (LxWxH): 13.46mm x 12.95mm x 8mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (nH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SLC1480-111MLB	SLC1480-111MLB	110	55	0.21	130			
994-SLC1480-131MLB	SLC1480-131MLB	130	55	0.21	110			
994-SLC1480-151MLB	SLC1480-151MLB	150	55	0.21	108			
994-SLC1480-171MLB	SLC1480-171MLB	170	55	0.21	75			
994-SLC1480-201MLB	SLC1480-201MLB	200	55	0.21	68			
994-SLC1480-231MLB	SLC1480-231MLB	230	55	0.21	59			
994-SLC1480-261MLB	SLC1480-261MLB	260	55	0.21	50			
994-SLC1480-301MLB	SLC1480-301MLB	300	55	0.21	46			
994-SLC1480-321MLB	SLC1480-321MLB	320	55	0.21	42			
994-SLC1480-441MLB	SLC1480-441MLB	440	55	0.21	35			

VER2923 SERIES - FIXED THROUGH HOLE SHIELDED FERRITE CORE POWER INDUCTORS

- Test Frequency: 300kHz
- Operating Temperature Range: -40°C to +85°C
- Tolerance: 10%
- Dimensions (LxWxH): 27.08mm x 16.97mm x 22.74mm



MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-VER2923-332KL	VER2923-332KL	3.3	26	2.6	97			
994-VER2923-472KL	VER2923-472KL	4.7	26	2.6	72			
994-VER2923-682KL	VER2923-682KL	6.8	26	2.6	50			
994-VER2923-103KL	VER2923-103KL	10	26	2.6	30			
994-VER2923-153KL	VER2923-153KL	15	26	2.6	20.5			
994-VER2923-223KL	VER2923-223KL	22	26	2.6	12.2			
994-VER2923-333KL	VER2923-333KL	33	26	2.6	7.5			

MLC12/MLC15 FAMILY - SMD SHIELDED POWDERED IRON FIXED POWER INDUCTORS

Common Specifications:

- Test Frequency: 100kHz
- Tolerance: 20%

MLC1240 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 11.2mm x 10.5mm x 4.1mm
- Tolerance: 20%

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-MLC1240-451MLB	MLC1240-451MLB	0.45	19.8	1.91	198			
994-MLC1240-901MLB	MLC1240-901MLB	0.9	16.3	2.83	108			

MLC12/MLC15 FAMILY - SMD SHIELDED POWDERED IRON FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Tolerance: 20%

MLC1245 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 152MLB - 11.2mm x 10.5mm x 4.6mm; 402MLB - 11.2mm x 10.5mm x 4.8mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-MLC1245-152MLB	MLC1245-152MLB	1.5	14.2	4.49	79			
994-MLC1245-402MLB	MLC1245-402MLB	4	9.86	9	46			

MLC1250 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 801MLB - 11.2mm x 10.5mm x 5.1mm; 132MLB - 11.2mm x 10.5mm x 5.3mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-MLC1250-801MLB	MLC1250-801MLB	0.8	17.3	2.59	151			
994-MLC1250-132MLB	MLC1250-132MLB	1.3	16.5	2.62	76			

MLC1255 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 11.4mm x 10.5mm x 5.6mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-MLC1255-421MLB	MLC1255-421MLB	0.42	24.1	1.03	219			
994-MLC1255-122MLB	MLC1255-122MLB	1.2	17.5	2.62	85			

MLC1260 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 11.4mm x 10.5mm x 6.1mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-MLC1260-401MLB	MLC1260-401MLB	0.4	21.9	1.03	228			
994-MLC1260-122MLB	MLC1260-122MLB	1.2	17.6	2.62	93			
994-MLC1260-172MLB	MLC1260-172MLB	1.75	15.3	3.13	72			

MLC1265 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 11.4mm x 10.5mm x 6.5mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-MLC1265-361MLB	MLC1265-361MLB	0.36	22.7	1.03	234			
994-MLC1265-701MLB	MLC1265-701MLB	0.7	21	1.37	134			

MLC1538 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 13.8mm x 13.2mm x 3.9mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-MLC1538-102MLB	MLC1538-102MLB	1	16.7	3.81	81			
994-MLC1538-152MLB	MLC1538-152MLB	1.5	14.6	4.8	50			

MLC1550 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 13.8mm x 13.2mm x 5.2mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-MLC1550-102MLB	MLC1550-102MLB	1	19.7	1.9	76			
994-MLC1550-252MLB	MLC1550-252MLB	2.5	15.8	3.74	45			
994-MLC1550-452MLB	MLC1550-452MLB	4.5	11.7	7.85	36			

MLC1555 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 13.8mm x 13.2mm x 5.6mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-MLC1555-551MLB	MLC1555-551MLB	0.55	22.3	1.48	165			
994-MLC1555-302MLB	MLC1555-302MLB	3	15.6	4.47	42			

MLC1560 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 13.8mm x 13.2mm x 6mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-MLC1560-901MLB	MLC1560-901MLB	0.9	20.6	1.9	101			

MLC1565 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 14mm x 13.2mm x 6.5mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-MLC1565-4								

COILCRAFT Ferrite Core Inductors



This page of product is RoHS compliant.



SPT FAMILY - SMD SHIELDED POWDERED IRON CORE FIXED POWER INDUCTORS

Common Specifications:

- Test Frequency: 100kHz
- Tolerance: 20%
- Operating Temperature Range: -40°C to +85°C



SPT20L Series

- Dimensions (LxWxH): 8.64mm x 8.64mm x 7mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SPT20L-112MLB	SPT20L-112MLB	1.1	6.1	16	360			
994-SPT20L-702MLB	SPT20L-702MLB	7	2.2	95	70			
994-SPT20L-233MLB	SPT20L-233MLB	23	1	320	21			

SPT30L Series

- Dimensions (LxWxH): 11.18mm x 11.05mm x 9.5mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SPT30L-522MLB	SPT30L-522MLB	5.2	5.7	24.2	60			
994-SPT30L-123MLB	SPT30L-123MLB	12	3.3	54.7	33			
994-SPT30L-353MLB	SPT30L-353MLB	35	1.6	166	12			
994-SPT30L-174MLB	SPT30L-174MLB	170	0.68	640	3			

SPT38L Series

- Dimensions (LxWxH): 14.35mm x 14.22mm x 9.5mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SPT38L-382MLB	SPT38L-382MLB	3.8	8.5	9.3	133			
994-SPT38L-752MLB	SPT38L-752MLB	7.5	6.5	22.8	73			
994-SPT38L-223MLB	SPT38L-223MLB	22	3.7	63	34			
994-SPT38L-733MLB	SPT38L-733MLB	73	1.5	290	5			
994-SPT38L-294MLB	SPT38L-294MLB	290	1	657	2			
994-SPT38L-674MLB	SPT38L-674MLB	670	0.6	1200	1			

SPT44L Series

- Dimensions (LxWxH): 15.62mm x 14.99mm x 10.5mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SPT44L-792MLB	SPT44L-792MLB	7.9	7.5	16.2	49			
994-SPT44L-143MLB	SPT44L-143MLB	14	5.7	23.6	20			
994-SPT44L-413MLB	SPT44L-413MLB	41	3.1	85	10			
994-SPT44L-115MLB	SPT44L-115MLB	1100	0.5	1908	0.73			

SPT44H Series

- Dimensions (LxWxH): 16.89mm x 16.89mm x 10.5mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SPT44H-282MLB	SPT44H-282MLB	2.8	13.6	4.6	136			
994-SPT44H-422MLB	SPT44H-422MLB	4.2	11.8	6.6	72			

SPT50L Series

- Dimensions (LxWxH): 17.78mm x 17.02mm x 10.5mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SPT50L-163MLB	SPT50L-163MLB	16	7.1	19.7	19			
994-SPT50L-263MLB	SPT50L-263MLB	26	6	32	9			
994-SPT50L-733MLB	SPT50L-733MLB	73	3.5	133	14			
994-SPT50L-564MLB	SPT50L-564MLB	560	0.9	550	1			
994-SPT50L-205MLB	SPT50L-205MLB	2000	0.7	1932	0.4			

SPT50H Series

- Dimensions (LxWxH): 18.8mm x 18.8mm x 10.5mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SPT50H-652MLB	SPT50H-652MLB	6.5	11.7	7.2	46			
994-SPT50H-842MLB	SPT50H-842MLB	8.4	9.8	8.5	23			

SPT68H Series

- Dimensions (LxWxH): 23.88mm x 23.88mm x 10.5mm

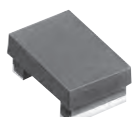
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-SPT68H-113MLB	SPT68H-113MLB	11	11.2	8.2	20			
994-SPT68H-183MLB	SPT68H-183MLB	18	9.2	12.5	9			

PFL FAMILY - SMD SHIELDED COMPOSITE CORE FIXED POWER INDUCTORS

Common Specifications:

- Tolerance: 20%
- Operating Temperature Range: -40°C to +85°C



PFL1005 Series

- Test Frequency: 7.9MHz • Dimensions (LxWxH): 1.14mm x 0.635mm x 0.71mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-PFL1005-36NMRU	PFL1005-36NMRU	0.036	2	0.042	2280			
994-PFL1005-60NMRU	PFL1005-60NMRU	0.6	1.6	0.05	2100			
994-PFL1005-101MRU	PFL1005-101MRU	0.1	1.5	0.075	1610			
994-PFL1005-181MRU	PFL1005-181MRU	0.18	1.2	0.21	1150			
994-PFL1005-271MRU	PFL1005-271MRU	0.27	0.91	0.24	920			
994-PFL1005-391MRU	PFL1005-391MRU	0.39	0.57	0.49	820			
994-PFL1005-561MRU	PFL1005-561MRU	0.56	0.53	0.52	640			
994-PFL1005-721MRU	PFL1005-721MRU	0.72	0.49	0.66	590			
994-PFL1005-102MRU	PFL1005-102MRU	1	0.4	1.05	450			

PFL1609 Series

- Test Frequency: 7.9MHz • Dimensions (LxWxH): 1.8mm x 1.07mm x 0.95mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-PFL1609-471MEU	PFL1609-471MEU	0.47	1.3	0.1	650			
994-PFL1609-561MEU	PFL1609-561MEU	0.56	1.4	0.13	600			
994-PFL1609-681MEU	PFL1609-681MEU	0.68	1.4	0.17	520			
994-PFL1609-102MEU	PFL1609-102MEU	1	0.85	0.23	445			
994-PFL1609-222MEU	PFL1609-222MEU	2.2	0.63	0.47	130			
994-PFL1609-472MEU	PFL1609-472MEU	4.7	0.5	0.7	60			

PFL2010 Series

- Test Frequency: 7.9MHz • Dimensions (LxWxH): 2.2mm x 1.45mm x 1mm

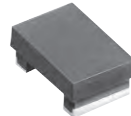
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-PFL2010-471MEB	PFL2010-471MEB	0.47	1.9	0.069	630			
994-PFL2010-681MEB	PFL2010-681MEB	0.68	1.6	0.087	560			
994-PFL2010-102MEB	PFL2010-102MEB	1	0.86	0.208	347			
994-PFL2010-222MEB	PFL2010-222MEB	2.2	0.66	0.465	129			
994-PFL2010-472MEB	PFL2010-472MEB	4.7	0.56	0.68	66			

PFL FAMILY - SMD SHIELDED COMPOSITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Tolerance: 20%
- Operating Temperature Range: -40°C to +85°C



PFL2015 Series

- Test Frequency: 7.9MHz • Dimensions (LxWxH): 2.2mm x 1.45mm x 1.5mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-PFL2015-561MEB	PFL2015-561MEB	0.56	1.8	0.07	600			
994-PFL2015-681MEB	PFL2015-681MEB	0.68	1.5	0.75	460			
994-PFL2015-102MEB	PFL2015-102MEB	1	1.2	0.13	450			
994-PFL2015-222MEB	PFL2015-222MEB	2.2	1	0.21	100			
994-PFL2015-472MEB	PFL2015-472MEB	4.7	0.77	0.34	50			
994-PFL2015-682MEB	PFL2015-682MEB	6.8	0.68	0.4	40			

PFL2510 Series

- Test Frequency: 7.9MHz • Dimensions (LxWxH): 2.79mm x 2.286mm x 1.02mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-PFL2510-151MEB	PFL2510-151MEB	0.15	2.9	0.036	970			
994-PFL2510-221MEB	PFL2510-221MEB	0.22	2.5	0.047	815			
994-PFL2510-681MEB	PFL2510-681MEB	0.68	1.8	0.07	500			
994-PFL2510-102MEB	PFL2510-102MEB	1	1.9	0.083	375			
994-PFL2510-222MEB	PFL2510-222MEB	2.2	1.1	0.24	310			
994-PFL2510-332MEB	PFL2510-332MEB	3.3	0.71	0.59	245			
994-PFL2510-472MEB	PFL2510-472MEB	4.7	0.58	0.9	175			

PFL2512 Series

- Test Frequency: 7.9MHz • Dimensions (LxWxH): 2.79mm x 2.286mm x 1.22mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (µH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-PFL2512-681MEB	PFL2512-681MEB	0.68	2.2	0.08	550			
994-PFL2512-102MEB	PFL2512-102MEB	1	1.7	0.092	375			
994-PFL2512-152MEB	PFL2512-152MEB	1.5	1.2	0.185	300			
994-PFL2512-222MEB	PFL2512-222MEB	2.2	1	0.27	225			
994-PFL2512-332MEB	PFL2512-332MEB	3.3	0.78	0.54	200			
994-PFL2512-472MEB	PFL2512-472MEB							

COILCRAFT Ferrite Core Inductors

XAL FAMILY - SMD SHIELDED COMPOSITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Tolerance: 20%

XAL4040 Series (Cont.)

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 4.3mm x 4.3mm x 4.1mm
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-XAL4040-153MEB	XAL4040-153MEB	15	2.8	120	20			

XAL5020 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 5.48mm x 5.28mm x 2mm
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-XAL5020-161MEB	XAL5020-161MEB	0.16	18.8	5	205			
994-XAL5020-331MEB	XAL5020-331MEB	0.33	14.4	7.68	110			
994-XAL5020-561MEB	XAL5020-561MEB	0.56	13.9	9.54	80			
994-XAL5020-801MEB	XAL5020-801MEB	0.80	13	11.8	64			
994-XAL5020-122MEB	XAL5020-122MEB	1.2	9.4	20.5	50			
994-XAL5020-222MEB	XAL5020-222MEB	2.2	6.5	39.8	37			

XAL5030 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 5.68mm x 5.68mm x 3.1mm
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-XAL5030-161MEB	XAL5030-161MEB	0.16	22.2	2.36	183			
994-XAL5030-331MEB	XAL5030-331MEB	0.33	19.2	3.52	108			
994-XAL5030-601MEB	XAL5030-601MEB	0.6	17.7	4.52	75			
994-XAL5030-801MEB	XAL5030-801MEB	0.8	13	5.65	63			
994-XAL5030-122MEB	XAL5030-122MEB	1.2	11.1	9.4	61			
994-XAL5030-222MEB	XAL5030-222MEB	2.2	9.2	14.5	38			
994-XAL5030-332MEB	XAL5030-332MEB	3.3	8.1	23.3	28			
994-XAL5030-472MEB	XAL5030-472MEB	4.7	5.9	36	23			

XAL5050 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 5.68mm x 5.48mm x 5.1mm
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-XAL5050-562MEB	XAL5050-562MEB	5.6	7.2	25.8	25			
994-XAL5050-682MEB	XAL5050-682MEB	6.8	6.4	29.45	21			
994-XAL5050-822MEB	XAL5050-822MEB	8.2	6.1	34.95	18			
994-XAL5050-103MEB	XAL5050-103MEB	10	4.9	45	15			
994-XAL5050-153MEB	XAL5050-153MEB	15	3.9	76.7	13			
994-XAL5050-223MEB	XAL5050-223MEB	22	3.4	99.65	11			

XAL6030 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 6.76mm x 6.56mm x 3.1mm
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-XAL6030-181MEB	XAL6030-181MEB	0.18	32	1.75	141			
994-XAL6030-331MEB	XAL6030-331MEB	0.33	25	2.53	89			
994-XAL6030-561MEB	XAL6030-561MEB	0.56	22	3.31	61			
994-XAL6030-102MEB	XAL6030-102MEB	1	18	6.18	50			
994-XAL6030-122MEB	XAL6030-122MEB	1.2	16	7.5	43			
994-XAL6030-182MEB	XAL6030-182MEB	1.8	14	10.52	34			
994-XAL6030-222MEB	XAL6030-222MEB	2.2	10	13.97	30			
994-XAL6030-332MEB	XAL6030-332MEB	3.3	8	20.81	26			

XAL6060 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 6.76mm x 6.56mm x 6.1mm
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-XAL6060-472MEB	XAL6060-472MEB	4.7	11	14.4	21			
994-XAL6060-562MEB	XAL6060-562MEB	5.6	10	15.9	20			
994-XAL6060-682MEB	XAL6060-682MEB	6.8	9	20.8	18			
994-XAL6060-822MEB	XAL6060-822MEB	8.2	8	26.4	16			
994-XAL6060-103MEB	XAL6060-103MEB	10	7	29.82	14			
994-XAL6060-153MEB	XAL6060-153MEB	15	6	43.75	11			
994-XAL6060-223MEB	XAL6060-223MEB	22	5	60.63	9			

XAL7020 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 8mm x 8mm x 2mm
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-XAL7020-151MEB	XAL7020-151MEB	0.15	24	2.5	161			
994-XAL7020-271MEB	XAL7020-271MEB	0.27	21	3.8	112			
994-XAL7020-331MEB	XAL7020-331MEB	0.33	20	5.2	88			
994-XAL7020-471MEB	XAL7020-471MEB	0.47	17	6.4	72			
994-XAL7020-681MEB	XAL7020-681MEB	0.68	13	9.5	54			
994-XAL7020-102MEB	XAL7020-102MEB	1	11	10.8	46			
994-XAL7020-122MEB	XAL7020-122MEB	1.2	10	12.8	42			
994-XAL7020-152MEB	XAL7020-152MEB	1.5	9	18.6	37			
994-XAL7020-222MEB	XAL7020-222MEB	2.2	7	27.5	29			

XAL7030 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 8mm x 8mm x 3.1mm
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
994-XAL7030-161MEB	XAL7030-161MEB	0.16	32.5	1.25	158			
994-XAL7030-301MEB	XAL7030-301MEB	0.3	27.6	1.92	101			
994-XAL7030-601MEB	XAL7030-601MEB	0.6	23	3.3	72			
994-XAL7030-102MEB	XAL7030-102MEB	1	21.8	5	63			
994-XAL7030-152MEB	XAL7030-152MEB	1.5	15	8.36	51			
994-XAL7030-222MEB	XAL7030-222MEB	2.2	12.9	15.07	40			
994-XAL7030-272MEB	XAL7030-272MEB	2.7	11.4	17.3	36			
994-XAL7030-332MEB	XAL7030-332MEB	3.3	10	21.45	29			
994-XAL7030-472MEB	XAL7030-472MEB	4.7	9	27.2	21			

XAL7070 Series (Cont.)

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 8mm x 7.7mm x 7mm
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-XAL7030-562MEB	XAL7030-562MEB	5.6	7.3	33.3	17			
994-XAL7030-682MEB	XAL7030-682MEB	6.8	6.8	42.57	15			
994-XAL7030-822MEB	XAL7030-822MEB	8.2	5.9	48.73	13			
994-XAL7030-103MEB	XAL7030-103MEB	10	5.3	62.7	12			
994-XAL7070-161MEB	XAL7070-161MEB	0.16	36.1	0.83	207			
994-XAL7070-301MEB	XAL7070-301MEB	0.3	33.4	1.17	135			
994-XAL7070-551MEB	XAL7070-551MEB	0.55	29	1.56	89			
994-XAL7070-651MEB	XAL7070-651MEB	0.65	26.5	1.93	74			
994-XAL7070-801MEB	XAL7070-801MEB	0.8	25.8	2.29	67			
994-XAL7070-102MEB	XAL7070-102MEB	1	25	2.81	64			
994-XAL7070-122MEB	XAL7070-122MEB	1.2	21.6	3.41	43			
994-XAL7070-182MEB	XAL7070-182MEB	1.8	21	4.46	43			
994-XAL7070-222MEB	XAL7070-222MEB	2.2	17.8	6.33	35			
994-XAL7070-332MEB	XAL7070-332MEB	3.3	15.1	9.42	32			
994-XAL7070-472MEB	XAL7070-472MEB	4.7	13.6	14.26	26			
994-XAL7070-562MEB	XAL7070-562MEB	5.6	11.4	15.03	21			
994-XAL7070-682MEB	XAL7070-682MEB	6.8	9.2	19.62	20			

XAL8080 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 8.8mm x 8.3mm x 8mm
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-XAL8080-102MEB	XAL8080-102MEB	1	34.1	2.33	49.22			
994-XAL8080-222MEB	XAL8080-222MEB	2.2	21.5	4.49	36.73			
994-XAL8080-472MEB	XAL8080-472MEB	4.7	14.6	9.77	24.14			
994-XAL8080-682MEB	XAL8080-682MEB	6.2	11.3	14.5	20.64			
994-XAL8080-103MEB	XAL8080-103MEB	10	8.7	23.1	15.6			

XAL1060 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 11.3mm x 10mm x 6mm
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-XAL1060-222MEB	XAL1060-222MEB	2.2	20	4.95	25			
994-XAL1060-332MEB	XAL1060-332MEB	3.3	16.8	7.92	19			

XAL1010 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 11.8mm x 10.5mm x 10mm
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
994-XAL1010-221MEB	XAL1010-221MEB	0.22	55.5	0.5	115			
994-XAL1010-451MEB	XAL1010-451MEB	0.45	53	0.72	66			
994-XAL1010-681MEB	XAL1010-681MEB	0.68	48	0.96	53			
994-XAL1010-102MEB	XAL1010-102MEB	1	43.5	1.1	42			
994-XAL1010-152MEB	XAL1010-152MEB	1.5	40.5	1.76	33			
994-XAL1010-222MEB	XAL1010-222MEB	2.2	32	2.8	22			
994-XAL								

COILCRAFT Ferrite Core Inductors



RoHS Compliant This page of product is RoHS compliant.

XFL FAMILY - SMD SHIELDED COMPOSITE CORE FIXED POWER INDUCTORS

Common Specifications:

- Test Frequency: 100kHz
- Tolerance: 20%



XFL2005 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 2.2mm x 2.1mm x 0.5mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
						For quantities greater than listed, call for quote.		
994-XFL2005-151MEB	XFL2005-151MEB	0.15	1.6	0.098	590			
994-XFL2005-221MEB	XFL2005-221MEB	0.22	1.48	0.128	480			
994-XFL2005-331MEB	XFL2005-331MEB	0.33	1.3	0.166	380			
994-XFL2005-471MEB	XFL2005-471MEB	0.47	1.25	0.204	275			
994-XFL2005-681MEB	XFL2005-681MEB	0.68	1.05	0.247	220			

XFL2006 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 2.2mm x 2.1mm x 0.6mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
						For quantities greater than listed, call for quote.		
994-XFL2006-102MEB	XFL2006-102MEB	1	1.22	0.169	170			
994-XFL2006-222MEB	XFL2006-222MEB	2.2	0.95	0.306	110			
994-XFL2006-332MEB	XFL2006-332MEB	3.3	0.72	0.506	88			
994-XFL2006-472MEB	XFL2006-472MEB	4.7	0.66	0.732	68			
994-XFL2006-562MEB	XFL2006-562MEB	5.6	0.6	0.825	61			
994-XFL2006-682MEB	XFL2006-682MEB	6.8	0.52	1.02	57			
994-XFL2006-822MEB	XFL2006-822MEB	8.2	0.49	1.19	51			
994-XFL2006-103MEB	XFL2006-103MEB	10	0.44	1.4	45			
994-XFL2006-153MEB	XFL2006-153MEB	15	0.35	2.22	37			
994-XFL2006-223MEB	XFL2006-223MEB	22	0.305	3.06	30.5			
994-XFL2006-333MEB	XFL2006-333MEB	33	0.205	4.9	24			
994-XFL2006-473MEB	XFL2006-473MEB	47	0.205	6.16	19.5			
994-XFL2006-563MEB	XFL2006-563MEB	56	0.195	7.32	16.5			
994-XFL2006-683MEB	XFL2006-683MEB	68	0.155	9.35	16			
994-XFL2006-823MEB	XFL2006-823MEB	82	0.165	10.18	13.5			
994-XFL2006-104MEB	XFL2006-104MEB	100	0.135	12.25	13			

XFL3010 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 3.2mm x 3.2mm x 1.1mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
						For quantities greater than listed, call for quote.		
994-XFL3010-601MEB	XFL3010-601MEB	0.6	2.5	0.033	180			
994-XFL3010-102MEB	XFL3010-102MEB	1	2.3	0.049	128			
994-XFL3010-152MEB	XFL3010-152MEB	1.5	1.9	0.08	97			
994-XFL3010-222MEB	XFL3010-222MEB	2.2	1.3	0.122	78			
994-XFL3010-332MEB	XFL3010-332MEB	3.3	1.2	0.166	64			
994-XFL3010-472MEB	XFL3010-472MEB	4.7	1.1	0.23	57			
994-XFL3010-682MEB	XFL3010-682MEB	6.8	0.95	0.346	42			
994-XFL3010-103MEB	XFL3010-103MEB	10	0.82	0.519	35			
994-XFL3010-153MEB	XFL3010-153MEB	15	0.76	0.56	28.4			
994-XFL3010-223MEB	XFL3010-223MEB	22	0.66	0.818	21.7			
994-XFL3010-333MEB	XFL3010-333MEB	33	0.56	1.2	17.5			
994-XFL3010-393MEB	XFL3010-393MEB	39	0.51	1.4	16.9			
994-XFL3010-473MEB	XFL3010-473MEB	47	0.44	1.93	14.4			
994-XFL3010-563MEB	XFL3010-563MEB	56	0.41	2.16	13.6			
994-XFL3010-683MEB	XFL3010-683MEB	68	0.36	2.6	12.7			
994-XFL3010-823MEB	XFL3010-823MEB	82	0.34	3.1	11.6			
994-XFL3010-104MEB	XFL3010-104MEB	100	0.29	5.5	10.1			
994-XFL3010-224MEB	XFL3010-224MEB	220	0.19	12	6.8			

XFL3012 Series

- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 3.2mm x 3.2mm x 1.3mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (Ω)	SRF (MHz)	Price Each		
						1	50	100
						For quantities greater than listed, call for quote.		
994-XFL3012-221MEB	XFL3012-221MEB	0.22	3.5	0.019	340			
994-XFL3012-361MEB	XFL3012-361MEB	0.36	3	0.023	210			
994-XFL3012-601MEB	XFL3012-601MEB	0.6	2.8	0.029	167			
994-XFL3012-102MEB	XFL3012-102MEB	1	2.6	0.042	115			
994-XFL3012-152MEB	XFL3012-152MEB	1.5	2.2	0.072	94.4			
994-XFL3012-222MEB	XFL3012-222MEB	2.2	1.9	0.097	73.2			
994-XFL3012-332MEB	XFL3012-332MEB	3.3	1.6	0.127	61.6			
994-XFL3012-472MEB	XFL3012-472MEB	4.7	1.4	0.171	52.6			
994-XFL3012-682MEB	XFL3012-682MEB	6.8	1.3	0.2	39.9			
994-XFL3012-683MEB	XFL3012-683MEB	68	0.42	2.37	10.9			
994-XFL3012-103MEB	XFL3012-103MEB	10	1.2	0.306	34.6			
994-XFL3012-153MEB	XFL3012-153MEB	15	1	0.483	25.8			
994-XFL3012-223MEB	XFL3012-223MEB	22	0.68	0.778	21			
994-XFL3012-333MEB	XFL3012-333MEB	33	0.57	0.896	16.6			
994-XFL3012-393MEB	XFL3012-393MEB	39	0.54	0.985	15.9			
994-XFL3012-473MEB	XFL3012-473MEB	47	0.46	1.32	13.7			
994-XFL3012-563MEB	XFL3012-563MEB	56	0.44	1.52	12.1			
994-XFL3012-823MEB	XFL3012-823MEB	82	0.34	2.44	10.8			
994-XFL3012-104MEB	XFL3012-104MEB	100	0.39	3	9.4			
994-XFL3012-224MEB	XFL3012-224MEB	220	0.23	8	6.1			

XFL FAMILY - SMD SHIELDED COMPOSITE CORE FIXED POWER INDUCTORS (CONT.)

Common Specifications:

- Test Frequency: 100kHz
- Tolerance: 20%



XFL4012 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 4.3mm x 4.3mm x 1.2mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
						For quantities greater than listed, call for quote.		
994-XFL4012-121MEB	XFL4012-121MEB	0.12	13.2	5.88	220			
994-XFL4012-251MEB	XFL4012-251MEB	0.25	11.45	8.4	150			
994-XFL4012-471MEB	XFL4012-471MEB	0.47	8.7	15.48	115			
994-XFL4012-601MEB	XFL4012-601MEB	0.6	7.65	19.14	95			

XFL4015 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 4.3mm x 4.3mm x 1.6mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
						For quantities greater than listed, call for quote.		
994-XFL4015-181MEB	XFL4015-181MEB	0.18	14.5	4.7	150			
994-XFL4015-331MEB	XFL4015-331MEB	0.33	13.2	7.5	112			
994-XFL4015-471MEB	XFL4015-471MEB	0.47	11.2	8.36	89			
994-XFL4015-701MEB	XFL4015-701MEB	0.7	10.1	10.5	70			
994-XFL4015-122MEB	XFL4015-122MEB	1.2	7.1	20.7	61			

XFL4020 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 4.3mm x 4.3mm x 2.1mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
						For quantities greater than listed, call for quote.		
994-XFL4020-102MEB	XFL4020-102MEB	1	11	11.9	64			
994-XFL4020-152MEB	XFL4020-152MEB	1.5	9.1	15.8	59			
994-XFL4020-222MEB	XFL4020-222MEB	2.2	8	23.5	38			
994-XFL4020-332MEB	XFL4020-332MEB	3.3	5.2	38.3	33			
994-XFL4020-472MEB	XFL4020-472MEB	4.7	5	57.4	26			

XFL5015 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 5.48mm x 5.28mm x 1.5mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
						For quantities greater than listed, call for quote.		
994-XFL5015-221MEB	XFL5015-221MEB	0.22	16.2	4.83	155			
994-XFL5015-421MEB	XFL5015-421MEB	0.42	12.7	7.19	92			
994-XFL5015-681MEB	XFL5015-681MEB	0.68	11.3	9.4	70			
994-XFL5015-122MEB	XFL5015-122MEB	1.2	9.2	16.6	51			
994-XFL5015-152MEB	XFL5015-152MEB	1.5	8	20.1	48			
994-XFL5015-222MEB	XFL5015-222MEB	2.2	6.6	33.2	36			

XFL7015 Series

- Operating Temperature Range: -40°C to +125°C
- Dimensions (LxWxH): 7.5mm x 7.5mm x 1.5mm

MOUSER STOCK NO.	Coilcraft Part No.	Inductance (μH)	Max. DC Current (A)	Max. DCR (mΩ)	SRF (MHz)	Price Each		
						1	50	100
						For quantities greater than listed, call for quote.		
994-XFL7015-251MEB	XFL7015-251MEB	0.25	20	4.3	80			
994-XFL7015-471MEB	XFL7015-471MEB	0.47	17	6.38	56			
994-XFL7015-681MEB	XFL7015-681MEB	0.68	15	8.47	49			
994-XFL7015-102MEB	XFL7015-102MEB	1	12	13.6	39			
994-XFL7015-152MEB	XFL7015-152MEB	1.5	9.1	16.2	33			
994-XFL7015-222MEB	XFL7015-222MEB	2.2	8.25	24.2	29			

XPL2010 SERIES - SMD SHIELDED COMPOSITE CORE FIXED POWER INDUCTORS

- Test Frequency: 100kHz
- Tolerance: 20%
- Operating Temperature Range: -40°C to +85°C
- Dimensions (LxWxH): 2.2mm x 2.1mm x 1mm





This product is RoHS compliant.

COLD CATHODE FLUORESCENT LAMP INVERTER TRANSFORMERS

Specifications:

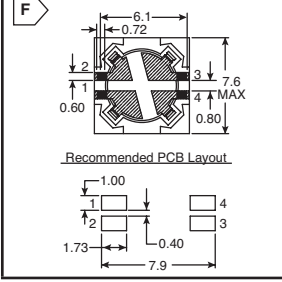
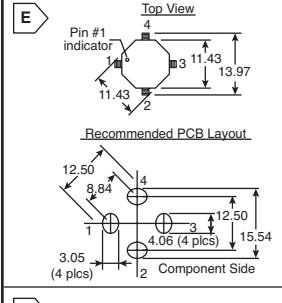
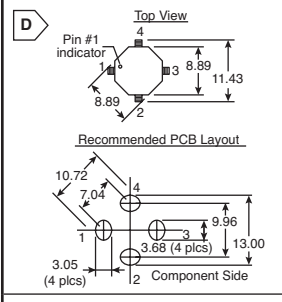
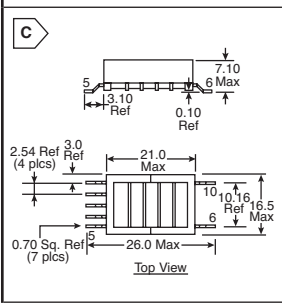
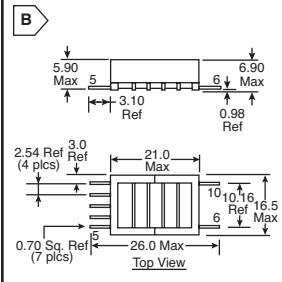
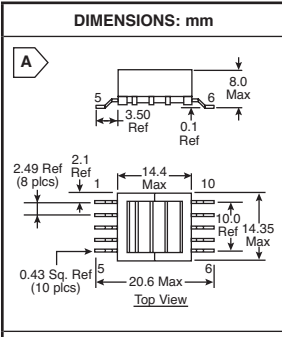
- Transformers for use in CCFL power supplies
- Supply output current up to 30 milli-Amps
- Frequency range from 40 to 80KHz
- Deliver output power from 2.5 to 6 Watts
- Ferrite core material
- Operating ambient temperature range: 0°C to +70°C



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Pout (Watts)	Lp (μH)	DCRp Ω Max	DCRs Ω Max	TR Ns/Np	Vpri (VDC Max)	Vsec (VDC Max)	Is (A Max)	Price Each			
											1	10	25	50
704-CTX210659-R	CTX210659-R	A	2.5	19	0.190	285	100	13	1340	0.005				
704-CTX210655-R	CTX210655-R	A	2.5	43	0.220	285	67	20	1340	0.005				
704-CTX110607-R	CTX110607-R	B	6.0	27	0.132	176	86	15	1340	0.011				
704-CTX210607-R	CTX210607-R	C	6.0	27	0.132	176	86	15	1340	0.011				
704-CTX110605-R	CTX110605-R	B	6.0	44	0.160	176	67	20	1340	0.011				
704-CTX210603-R	CTX210603-R	C	6.0	44	0.160	132	50	26	1340	0.011				
704-CTX210605-R	CTX210605-R	C	6.0	44	0.160	176	67	20	1340	0.011				



POWER INDUCTORS AND TRANSFORMERS

Specifications:

- OCTA-PAC's are designed around high frequency, low loss ferrite core material
- ECONO-PAC's are a lower cost version of OCTA-PAC's offering high saturation flux density, Powder Iron core material
- OCTA-PAC PLUS's offer higher current ratings and higher saturation flux densities than OCTA-PAC and ECONO-PAC, Amorphous metal core material
- Secure 4 terminal mounting
- Inductor more versatile inductance combination by series or parallel connections
- Operating ambient temperature range: -40°C to +85°C



RoHS Compliant

For quantities greater than listed, call for quote.

OCTA-PAC®

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Parallel Ratings				Series Ratings				Price Each			
			Inductance (μH)		Full Load Current (A)	DCR (Ω) Max	Inductance (μH)		Full Load Current (A)	DCR (Ω) Max	1	50	100	500
			Open Circuit	Full Load			Open Circuit	Full Load						
704-CTX10-1-R	CTX10-1-R	D	10.0	4.85	1.90	0.440	40.0	19.40	0.95	0.176				
704-CTX20-1-R	CTX20-1-R	D	19.6	11.54	1.00	0.146	78.4	46.15	0.50	0.583				
704-CTX5-2-R	CTX5-2-R	D	4.70	2.66	3.0	0.021	18.80	10.65	1.50	0.084				
704-CTX10-2-R	CTX10-2-R	D	10.58	5.18	2.5	0.031	42.30	20.72	1.25	0.125				
704-CTX33-2-R	CTX33-2-R	D	31.77	15.90	1.4	0.105	127.09	63.59	0.70	0.420				
704-CTX100-2-R	CTX100-2-R	D	99.45	57.45	0.62	0.457	397.81	229.79	0.32	1.828				
704-CTX33-3-R	CTX33-3-R	E	32.86	19.69	0.96	0.083	131.42	78.77	0.48	0.331				
704-CTX5-4-R	CTX5-4-R	E	4.90	2.59	4.4	0.014	19.60	10.37	2.2	0.056				
704-CTX10-4-R	CTX10-4-R	E	9.60	4.82	3.4	0.019	38.42	19.28	1.7	0.078				
704-CTX15-4-R	CTX15-4-R	E	14.16	6.76	3.0	0.024	56.64	27.03	1.5	0.096				
704-CTX20-4-R	CTX20-4-R	E	19.60	10.68	2.1	0.055	78.40	42.73	1.05	0.220				
704-CTX50-4-R	CTX50-4-R	E	50.18	25.03	1.5	0.111	200.7	100.11	0.75	0.443				
704-CTX100-4-R	CTX100-4-R	E	99.23	54.46	0.92	0.302	396.9	218.25	0.46	1.210				
704-CTX150-4-R	CTX150-4-R	E	148.23	77.17	0.82	0.372	592.9	308.69	0.41	1.488				
704-CTX300-4-R	CTX300-4-R	E	298.12	147.92	0.62	0.672	1192.46	591.66	0.31	2.687				

ECONO-PAC®

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Parallel Ratings				Series Ratings				Price Each			
			Inductance (μH)		Full Load Current(A)	DCR (Ω) Max	Inductance (μH)		Full Load Current(A)	DCR (Ω) Max	1	50	100	500
			Open Circuit	Full Load			Open Circuit	Full Load						
704-CTX10-1P-R	CTX10-1P-R	D	9.62	6.23	1.70	0.057	38.48	24.94	0.85	0.227				
704-CTX100-1P-R	CTX100-1P-R	D	99.01	63.64	0.54	0.557	396.06	254.55	0.27	2.227				
704-CTX10-2P-R	CTX10-2P-R	D	9.83	6.73	2.1	0.045	39.30	26.92	1.05	0.179				
704-CTX20-2P-R	CTX20-2P-R	D	19.56	13.37	1.5	0.097	78.34	53.48	0.75	0.387				
704-CTX33-2P-R	CTX33-2P-R	D	32.67	21.29	1.3	0.126	130.7	85.17	0.65	0.503				
704-CTX10-4P-R	CTX10-4P-R	E	9.88	6.70	2.5	0.047	39.53	29.76	1.25	0.187				
704-CTX50-4P-R	CTX50-4P-R	E	48.80	32.21	1.2	0.201	195.2	128.83	0.60	0.805				
704-CTX68-4P-R	CTX68-4P-R	E	67.37	43.04	1.1	0.238	269.5	172.16	0.55	0.952				

OCTA-PAC® PLUS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Rated Inductance (μH)	Parallel Ratings			Series Ratings			Price Each			
				Open Circuit Inductance (μH)	DCR (mΩ@20°C) (Max)	Volt/μSec (Typical)	Open Circuit Inductance (μH)	DCR (mΩ@20°C) (Max)	Volt/μSec (Typical)	1	50	100	500
704-CTX10-4A-R	CTX10-4A-R	E	10	10.53	0.020	5.40	42.11	0.081	10.8				
704-CTX25-4A-R	CTX25-4A-R	E	25	25.14	0.048	8.34	100.51	0.193	16.7				

OCTA-PAC® PLUS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Rated Inductance (μH)	Ratings			Price Each			
				Open Circuit Inductance (μH)	DCR (mΩ@20°C) (Max)	Volt/μSec (Typical)	1	50	100	500
704-CTX02-18713-R	CTX02-18713-R	F	11.9	0.0978	5.3	0.498				
704-CTX02-18714-R	CTX02-18714-R	F	11.9	0.0978	5.53	1.65				

COILTRONICS® Low Profile Power Inductors



RoHS Compliant This product is RoHS compliant.

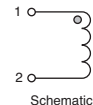
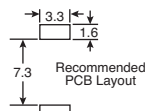
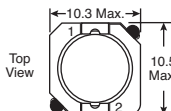
DR1030 SERIES

Features:

- 125°C maximum total temperature operation
- 10.3x10.5x3.0mm shielded drum core
- Ferrite core material
- Frequency Range up to 1MHz

Specifications:

- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.



DIMENSIONS: mm



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	OCL (μH) ±30%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	DCR (mΩ @ 20°C) (Max.)	K-Factor	Price Each			
									1	10	100	500
704-DR1030-1R1-R	DR1030-1R1-R	1.1	1.1	7.0	9.50	6.5	7.9	22				
704-DR1030-1R8-R	DR1030-1R8-R	1.8	1.9	5.9	7.41	9.1	11.0	17				
704-DR1030-2R8-R	DR1030-2R8-R	2.8	2.8	5.1	6.08	12.1	14.5	14				
704-DR1030-3R9-R	DR1030-3R9-R	3.9	4.0	4.3	5.13	16.4	20.0	12				
704-DR1030-5R2-R	DR1030-5R2-R	5.2	5.2	3.7	4.75	22.9	27.5	10				
704-DR1030-6R8-R	DR1030-6R8-R	6.8	6.8	3.5	3.90	24.9	30.0	9.0				
704-DR1030-8R2-R	DR1030-8R2-R	8.2	8.4	3.3	3.54	28.4	34.1	8.0				
704-DR1030-100-R	DR1030-100-R	10	10.4	2.8	3.18	40.2	48.0	7.0				
704-DR1030-150-R	DR1030-150-R	15	14.8	2.3	2.66	57.3	68.8	6.0				
704-DR1030-220-R	DR1030-220-R	22	22.8	1.8	2.19	95.5	114.6	4.5				
704-DR1030-330-R	DR1030-330-R	33	32.4	1.6	1.81	113.6	136.3	4.0				
704-DR1030-470-R	DR1030-470-R	47	47.9	1.3	1.52	166.6	200.0	3.4				
704-DR1030-680-R	DR1030-680-R	68	66.6	1.1	1.24	253.1	303.7	2.9				
704-DR1030-101-R	DR1030-101-R	100	100.0	0.86	1.05	375.0	450.0	2.4				
704-DR1030-151-R	DR1030-151-R	150	155.3	0.68	0.86	590.0	700.0	1.4				

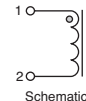
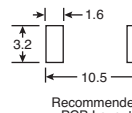
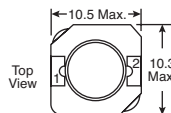
DR1040 SERIES

Features:

- 125°C maximum total temperature operation
- 10.3x10.5x4.0mm shielded drum core
- Ferrite core material
- Frequency Range up to 1MHz

Specifications:

- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.



DIMENSIONS: mm



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	OCL (μH) ±30%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	DCR (mΩ @ 20°C) (Max.)	K-Factor	Price Each			
									1	50	100	500
704-DR1040-1R5-R	DR1040-1R5-R	1.5	1.4	6.5	10	6	8.1	15.48				
704-DR1040-2R5-R	DR1040-2R5-R	2.5	2.4	6.1	7.8	7	9	12.04				
704-DR1040-3R8-R	DR1040-3R8-R	3.8	3.6	5.5	6.4	9.6	13	9.85				
704-DR1040-5R2-R	DR1040-5R2-R	5.2	5.2	5.4	5.5	14	17	8.33				
704-DR1040-7R0-R	DR1040-7R0-R	7.0	6.8	4.5	4.8	17	20	7.22				
704-DR1040-8R2-R	DR1040-8R2-R	8.2	8.1	3.98	4.6	24	29	6.37				
704-DR1040-100-R	DR1040-100-R	10	9.6	3.8	4.4	26	35	5.70				
704-DR1040-150-R	DR1040-150-R	15	14.9	3.1	3.6	37	50	4.71				
704-DR1040-220-R	DR1040-220-R	22	21.1	2.5	2.9	54	73	4.01				
704-DR1040-330-R	DR1040-330-R	33	32.6	2.2	2.45	69	93	3.28				
704-DR1040-470-R	DR1040-470-R	47	45.8	1.9	2.10	95	128	2.78				
704-DR1040-680-R	DR1040-680-R	68	65.3	1.42	1.65	152	183	2.30				
704-DR1040-820-R	DR1040-820-R	82	86.8	1.29	1.47	214	260	2.04				
704-DR1040-101-R	DR1040-101-R	100	101.4	1.25	1.35	225	304	1.90				
704-DR1040-151-R	DR1040-151-R	150	148.3	0.85	1.15	356	430	1.57				
704-DR1040-221-R	DR1040-221-R	220	216.2	0.70	0.92	530	640	1.27				
704-DR1040-331-R	DR1040-331-R	330	323.4	0.52	0.70	810	1090	1.03				

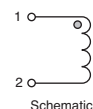
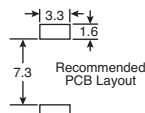
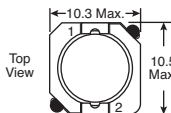
DR1050 SERIES

Features:

- 125°C maximum total temperature operation
- 10.3x10.5x5.0mm shielded drum core
- Ferrite core material
- Frequency Range up to 1MHz

Specifications:

- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.



DIMENSIONS: mm



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	OCL (μH) ±30%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	DCR (mΩ @ 20°C) (Max.)	K-Factor	Price Each			
									1	50	100	500
704-DR1050-R80-R	DR1050-R80-R	0.8	0.70	9.70	13.5	3.2	4.0	20.47				
704-DR1050-1R5-R	DR1050-1R5-R	1.5	1.37	8.60	10.5	4.0	5.0	14.62				
704-DR1050-2R2-R	DR1050-2R2-R	2.2	2.27	7.52	9.25	5.6	6.8	11.37				
704-DR1050-8R2-R	DR1050-8R2-R	8.2	8.09	5.24	5.00	15.1	19.0	6.02				
704-DR1050-100-R	DR1050-100-R	10	10.1	4.80	4.58	18.0	22.5	5.39				
704-DR1050-150-R	DR1050-150-R	15	14.8	3.80	3.70	26.0	32.5	4.45				
704-DR1050-220-R	DR1050-220-R	22	23.5	3.12	3.00	38.7	48.4	3.53				
704-DR1050-330-R	DR1050-330-R	33	34.3	2.56	2.50	57.5	71.9	2.92				
704-DR1050-470-R	DR1050-470-R	47	47.1	2.06	2.10	89.0	111	2.50				
704-DR1050-560-R	DR1050-560-R	56	56.7	1.96	1.94	98.0	123	2.27				
704-DR1050-680-R	DR1050-680-R	68	67.2	1.84	1.70	111	139	2.09				
704-DR1050-101-R	DR1050-101-R	100	97.5	1.52	1.45	164	205	1.73				
704-DR1050-151-R	DR1050-151-R	150	149.2	1.26	1.15	238	298	1.40				
704-DR1050-221-R	DR1050-221-R	220	221.8	1.00	0.98	377	472	1.15				
704-DR1050-331-R	DR1050-331-R	330	320.6	0.83	0.80	554	693	0.96				
704-DR1050-391-R	DR1050-391-R	390	396.5	0.76	0.72	648	810	0.86				

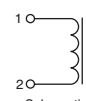
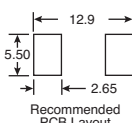
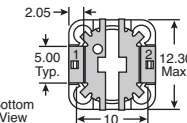
DR124 SERIES

Features:

- 125°C maximum total temperature operation
- 12.3x12.3x4.5mm shielded drum core
- Ferrite core material
- Frequency Range up to 1MHz

Specifications:

- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.



DIMENSIONS: mm



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	OCL (μH) ±30%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	DCR (mΩ @ 20°C) (Max.)	K-Factor	Price Each			
									1	50	100	500
704-DR124-2R2-R	DR124-2R2-R	2.2	2.04	9.1	11.45	5.92	7.1	7.96				
704-DR124-4R7-R	DR124-4R7-R	4.7	4.88	6.5	7.65	13.50	16.2	5.15				
704-DR124-100-R	DR124-100-R	10	8.94	4.5	5.80	23.33	28.0	3.81				
704-DR124-120-R	DR124-120-R	12	11.5	4.1	4.96	31.67	38.0	3.5				
704-DR124-150-R	DR124-150-R	15	14.2	3.6	4.62	37.30	44.8	3.02				
704-DR124-221-R	DR124-221-R	220	216	1.0	1.15	558	669.6	0.77				

COILTRONICS® Shielded Power Inductors



RoHS Compliant. This product is RoHS compliant.

DR SERIES - HIGH POWER DENSITY, HIGH EFFICIENCY, SHIELDED INDUCTORS

Features:

- 125°C maximum total temperature operation
- Four sizes of shielded drum core inductors
- Ferrite core material
- Magnetic shielding
- Secure mounting

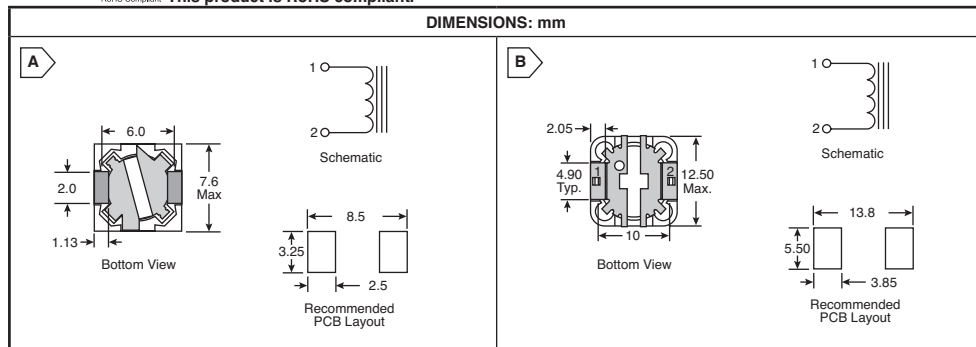


Specifications:

- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.

Applications:

- Computer, DVD players, and portable power devices
- LCD panels
- DC-DC converters
- Buck, boost, forward, and resonant converters
- Noise filtering and filter chokes

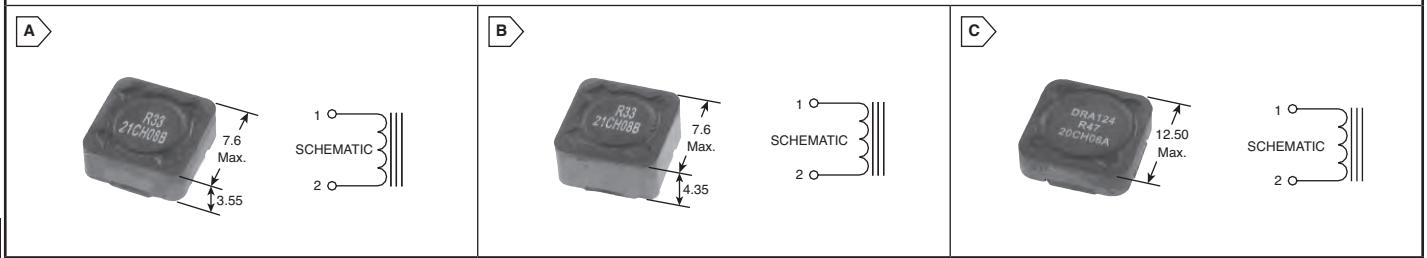


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Rated Inductance (μH)	OCL (μH) ±20%	I _{rms} (A)	I _{sat} (A)	DCR (Ω @ 20°C) (Typical)	Volt / μSec (Typical)	Price Each			
									1	50	100	500
704-DR73-R33-R	DR73-R33-R	A	0.33	0.306	6.21	14.4	0.0073	1.98				
704-DR73-1R0-R	DR73-1R0-R	A	1.0	0.992	5.28	7.97	0.0102	3.56				
704-DR73-1R5-R	DR73-1R5-R	A	1.5	1.48	4.67	6.52	0.0130	4.36				
704-DR73-2R2-R	DR73-2R2-R	A	2.2	2.07	4.15	5.52	0.0165	5.15				
704-DR73-3R3-R	DR73-3R3-R	A	3.3	3.54	3.31	4.22	0.0259	6.73				
704-DR73-4R7-R	DR73-4R7-R	A	4.7	4.42	3.09	3.78	0.0297	7.52				
704-DR73-6R8-R	DR73-6R8-R	A	6.8	6.48	2.55	3.12	0.0435	9.11				
704-DR73-8R2-R	DR73-8R2-R	A	8.2	8.93	2.19	2.66	0.0592	10.7				
704-DR73-100-R	DR73-100-R	A	10	10.30	2.08	2.47	0.0656	11.5				
704-DR73-150-R	DR73-150-R	A	15	15.01	1.83	2.05	0.0844	13.9				
704-DR73-220-R	DR73-220-R	A	22	22.65	1.62	1.67	0.107	17.0				
704-DR73-330-R	DR73-330-R	A	33	34.41	1.31	1.35	0.166	21.0				
704-DR73-470-R	DR73-470-R	A	47	48.62	1.08	1.14	0.241	24.9				
704-DR73-101-R	DR73-101-R	A	100	101.4	0.73	0.79	0.527	36.0				
704-DR73-151-R	DR73-151-R	A	150	150.9	0.58	0.65	0.851	44.0				
704-DR73-221-R	DR73-221-R	A	220	223.3	0.52	0.53	1.05	53.5				
704-DR73-331-R	DR73-331-R	A	330	325.5	0.42	0.44	1.59	64.5				
704-DR74-R33-R	DR74-R33-R	A	0.33	0.294	6.26	18.4	0.0074	1.71				
704-DR74-1R0-R	DR74-1R0-R	A	1.0	0.952	5.39	10.2	0.0099	3.08				
704-DR74-1R5-R	DR74-1R5-R	A	1.5	1.42	4.94	8.35	0.0118	3.76				
704-DR74-2R2-R	DR74-2R2-R	A	2.2	1.98	4.76	7.06	0.0126	4.45				
704-DR74-3R3-R	DR74-3R3-R	A	3.3	3.39	3.94	5.40	0.0183	5.81				
704-DR74-4R7-R	DR74-4R7-R	A	4.7	5.18	3.34	4.37	0.0254	7.18				
704-DR74-6R8-R	DR74-6R8-R	A	6.8	7.34	2.60	3.67	0.0418	8.55				
704-DR74-8R2-R	DR74-8R2-R	A	8.2	8.56	2.53	3.40	0.0441	9.23				
704-DR74-100-R	DR74-100-R	A	10	9.88	2.41	3.17	0.0489	9.92				
704-DR74-150-R	DR74-150-R	A	15	16.09	2.11	2.48	0.0637	12.7				
704-DR74-220-R	DR74-220-R	A	22	21.73	1.75	2.13	0.0925	14.7				
704-DR74-330-R	DR74-330-R	A	33	33.01	1.41	1.73	0.143	18.1				
704-DR74-470-R	DR74-470-R	A	47	49.64	1.15	1.41	0.216	22.2				
704-DR74-680-R	DR74-680-R	A	68	69.67	1.03	1.19	0.265	26.3				
704-DR74-101-R	DR74-101-R	A	100	101.6	0.86	0.99	0.383	31.8				
704-DR74-151-R	DR74-151-R	A	150	150.0	0.69	0.81	0.591	38.6				
704-DR74-221-R	DR74-221-R	A	220	227.0	0.56	0.66	0.907	47.5				
704-DR74-331-R	DR74-331-R	A	330	335.6	0.45	0.54	1.41	57.8				
704-DR125-R47-R	DR125-R47-R	B	0.47	0.456	17.6	33.0	0.0018	3.17				
704-DR125-1R0-R	DR125-1R0-R	B	1.0	0.894	15.0	23.6	0.0024	4.43				
704-DR125-1R5-R	DR125-1R5-R	B	1.5	1.47	13.8	18.3	0.0029	5.70				
704-DR125-2R2-R	DR125-2R2-R	B	2.2	2.21	10.9	15.0	0.0045	6.97				
704-DR125-3R3-R	DR125-3R3-R	B	3.3	3.08	9.26	12.7	0.0063	8.23				
704-DR125-4R7-R	DR125-4R7-R	B	4.7	5.27	7.18	9.71	0.0105	10.8				
704-DR125-6R8-R	DR125-6R8-R	B	6.8	6.58	6.64	8.68	0.0123	12.0				
704-DR125-8R2-R	DR125-8R2-R	B	8.2	8.04	5.54	7.86	0.0176	13.3				
704-DR125-100-R	DR125-100-R	B	10	9.65	5.35	7.17	0.0189	14.6				
704-DR125-150-R	DR125-150-R	B	15	15.35	4.27	5.69	0.0298	18.4				
704-DR125-220-R	DR125-220-R	B	22	22.36	3.70	4.71	0.0396	22.2				
704-DR125-330-R	DR125-330-R	B	33	33.74	3.28	3.84	0.0505	27.2				
704-DR125-470-R	DR125-470-R	B	47	47.47	2.71	3.24	0.0740	32.3				
704-DR125-680-R	DR125-680-R	B	68	67.91	2.22	2.70	0.101	38.6				
704-DR125-101-R	DR125-101-R	B	100	102.7	1.78	2.20	0.170	47.5				
704-DR125-151-R	DR125-151-R	B	150	151.1	1.48	1.81	0.248	57.6				
704-DR125-221-R	DR125-221-R	B	220	216.8	1.19	1.51	0.384	69.0				
704-DR125-331-R	DR125-331-R	B	330	332.6	1.06	1.22	0.482	85.5				
704-DR127-R47-R	DR127-R47-R	B	0.47	0.419	17.9	56.0	0.00195	3.5				
704-DR127-1R0-R	DR127-1R0-R	B	1.0	0.821	15.5	40.0	0.00313	4.9				
704-DR127-1R5-R	DR127-1R5-R	B	1.5	1.35	13.5	31.1	0.00341	6.3				
704-DR127-2R2-R	DR127-2R2-R	B	2.2	2.02	12.5	25.5	0.00402	7.7				
704-DR127-3R3-R	DR127-3R3-R	B	3.3	2.83	10.5	21.5	0.00567	9.1				
704-DR127-4R7-R	DR127-4R7-R	B	4.7	4.84	8.25	16.5	0.00917	11.9				
704-DR127-6R8-R	DR127-6R8-R	B	6.8	7.38	7.34	13.3	0.0116	14.7				
704-DR127-8R2-R	DR127-8R2-R	B	8.2	8.86	6.32	12.2	0.0157	16.1				
704-DR127-100-R	DR127-100-R	B	10	10.47	6.04	11.2	0.0172	17.5				
704-DR127-150-R	DR127-150-R	B	15	14.09	5.03	9.66	0.0247	20.3				
704-DR127-220-R	DR127-220-R	B	22	22.93	4.00	7.57	0.0391	25.9				
704-DR127-330-R	DR127-330-R	B	33	33.92	3.23	6.22	0.060	31.5				
704-DR127-470-R	DR127-470-R	B	47	47.05	2.95	5.28	0.0719	37.1				
704-DR127-680-R	DR127-680-R	B	68	66.48	2.44	4.44	0.105	44.1				
704-DR127-101-R	DR127-101-R	B	100	99.31	1.96	3.94	0.163	53.9				
704-DR127-151-R	DR127-151-R	B	150	144.9	1.59	3.01	0.247	65.1				
704-DR127-221-R	DR127-221-R	B	220	221.5	1.29	2.43	0.376	80.5				
704-DR127-331-R	DR127-331-R	B	330	323.6	1.04	2.01	0.574	97.3				
704-DR127-102-R	DR127-102-R	B	1000	1005	0.61	1.14	1.66	172				

RoHS compliant This product is RoHS compliant.

DIMENSIONS: mm



DRA SERIES

Features:

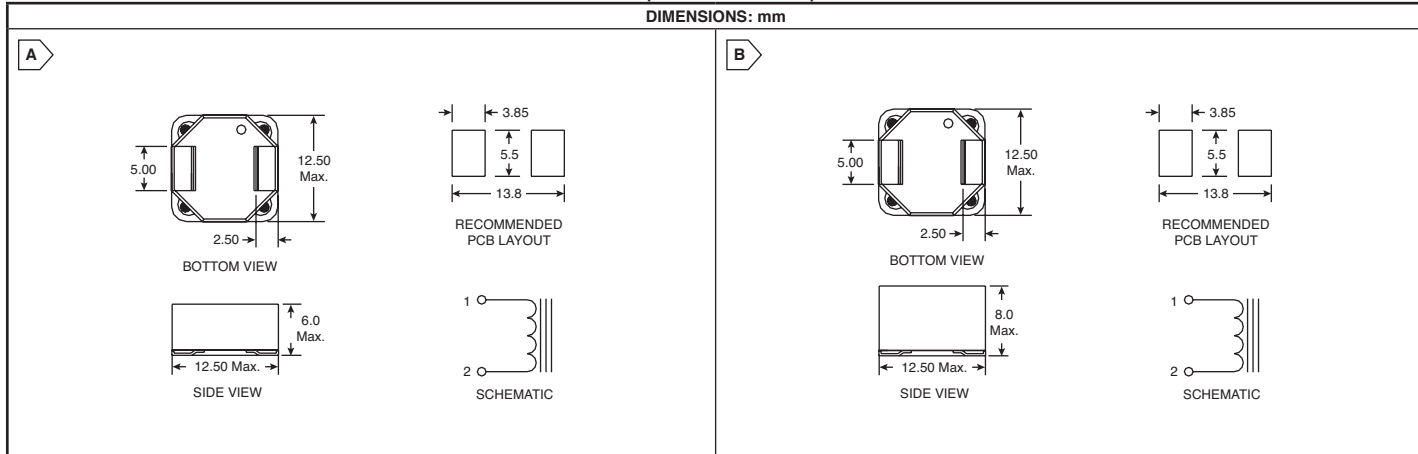
- 165°C maximum total temperature operation
- Five sizes of Automotive grade shielded drum core inductors
- Inductance range from 0.28uH to 1000uH
- Current range up to 56Amps
- Mechanical secure mounting for high shock and vibration environments
- Good thermal dispersion with thermal conductive epoxy
- Customized dual winding versions available upon request for SEPIC or Flyback configurations

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Rated Inductance (μH)	Open Circuit Inductance (μH)	I _{rms} (A)	I _{sat} (A)	DCR (Ω)	Price Each				Reel Qty.	Price Each
								1	50	100	500		
DRA73 Series													
704-DRA73-R33-R	DRA73-R33-R	A	0.33	0.29	8.42	14.8	0.004					1350	
704-DRA73-1R0-R	DRA73-1R0-R	A	1.0	0.91	6.5	8.22	0.0067					1350	
704-DRA73-1R5-R	DRA73-1R5-R	A	1.5	1.36	5.39	6.73	0.0097					1350	
704-DRA73-2R2-R	DRA73-2R2-R	A	2.2	2.52	4.18	4.93	0.016					1350	
704-DRA73-3R3-R	DRA73-3R3-R	A	3.3	3.18	3.59	4.35	0.022					1350	
704-DRA73-4R7-R	DRA73-4R7-R	A	4.7	4.86	2.92	3.52	0.033					1350	
704-DRA73-6R8-R	DRA73-6R8-R	A	6.8	6.63	2.62	2.96	0.041					1350	
704-DRA73-8R2-R	DRA73-8R2-R	A	8.2	8.06	2.3	2.74	0.053					1350	
704-DRA73-100-R	DRA73-100-R	A	10	10.27	2.11	2.39	0.064					1350	
704-DRA73-150-R	DRA73-150-R	A	15	14.98	1.74	2.0	0.094					1350	
704-DRA73-220-R	DRA73-220-R	A	22	22.39	1.42	1.64	0.141					1350	
704-DRA73-330-R	DRA73-330-R	A	33	31.84	1.25	1.35	0.183					1350	
704-DRA73-470-R	DRA73-470-R	A	47	47.83	1.02	1.1	0.275					1350	
704-DRA73-680-R	DRA73-680-R	A	68	66.89	0.845	0.937	0.397					1350	
704-DRA73-820-R	DRA73-820-R	A	82	83.77	0.731	0.851	0.53					1350	
704-DRA73-101-R	DRA73-101-R	A	100	101.7	0.682	0.763	0.609					1350	
704-DRA73-151-R	DRA73-151-R	A	150	151.1	0.551	0.632	0.932					1350	
704-DRA73-221-R	DRA73-221-R	A	220	218.8	0.479	0.51	1.23					1350	
704-DRA73-331-R	DRA73-331-R	A	330	326.4	0.391	0.423	1.85					1350	
704-DRA73-471-R	DRA73-471-R	A	470	472.6	0.326	0.354	2.67					1350	
704-DRA73-681-R	DRA73-681-R	A	680	682.9	0.27	0.297	3.89					1350	
704-DRA73-821-R	DRA73-821-R	A	820	825.3	0.252	0.267	4.46					1350	
704-DRA73-102-R	DRA73-102-R	A	1000	991.9	0.235	0.239	5.15					1350	
DRA74 Series													
704-DRA74-R33-R	DRA74-R33-R	B	0.33	0.288	7.26	18.40	0.0054					1100	
704-DRA74-1R0-R	DRA74-1R0-R	B	1.0	0.897	6.01	10.22	0.0078					1100	
704-DRA74-1R5-R	DRA74-1R5-R	B	1.5	1.31	5.55	8.36	0.0092					1100	
704-DRA74-2R2-R	DRA74-2R2-R	B	2.2	2.33	4.82	6.13	0.012					1100	
704-DRA74-3R3-R	DRA74-3R3-R	B	3.3	3.05	4.16	5.41	0.016					1100	
704-DRA74-4R7-R	DRA74-4R7-R	B	4.7	4.68	3.41	4.38	0.024					1100	
704-DRA74-6R8-R	DRA74-6R8-R	B	6.8	6.51	2.91	3.68	0.034					1100	
704-DRA74-8R2-R	DRA74-8R2-R	B	8.2	8.51	2.66	3.17	0.040					1100	
704-DRA74-100-R	DRA74-100-R	B	10.0	9.62	2.56	2.97	0.043					1100	
704-DRA74-150-R	DRA74-150-R	B	15.0	15.14	2.06	2.36	0.067					1100	
704-DRA74-220-R	DRA74-220-R	B	22.0	22.25	1.68	1.96	0.100					1100	
704-DRA74-330-R	DRA74-330-R	B	33.0	33.21	1.37	1.61	0.151					1100	
704-DRA74-470-R	DRA74-470-R	B	47.0	46.56	1.14	1.37	0.219					1100	
704-DRA74-680-R	DRA74-680-R	B	68.0	68.37	0.996	1.108	0.286					1100	
704-DRA74-820-R	DRA74-820-R	B	82.0	81.45	0.879	1.034	0.367					1100	
704-DRA74-101-R	DRA74-101-R	B	100	98.5	0.822	0.929	0.419					1100	
704-DRA74-151-R	DRA74-151-R	B	150	150.9	0.661	0.748	0.648					1100	
704-DRA74-221-R	DRA74-221-R	B	220	218.9	0.544	0.626	0.96					1100	
704-DRA74-331-R	DRA74-331-R	B	330	328.9	0.435	0.514	1.50					1100	
704-DRA74-471-R	DRA74-471-R	B	470	471.5	0.383	0.420	1.93					1100	
704-DRA74-681-R	DRA74-681-R	B	680	682.8	0.315	0.352	2.86					1100	
704-DRA74-821-R	DRA74-821-R	B	820	815.0	0.279	0.327	3.63					1100	
704-DRA74-102-R	DRA74-102-R	B	1000	1001.7	0.260	0.292	4.19					1100	
DRA124 Series													
704-DRA124-R47-R	DRA124-R47-R	C	0.47	0.423	15.15	30.80	0.0019					750	
704-DRA124-1R0-R	DRA124-1R0-R	C	1.0	0.821	11.65	22.00	0.0031					750	
704-DRA124-1R5-R	DRA124-1R5-R	C	1.5	1.36	9.36	17.11	0.0049					750	
704-DRA124-2R2-R	DRA124-2R2-R	C	2.2	2.04	7.64	14.00	0.007					750	
704-DRA124-3R3-R	DRA124-3R3-R	C	3.3	2.79	6.94	11.85	0.009					750	
704-DRA124-4R7-R	DRA124-4R7-R	C	4.7	4.74	5.47	9.06	0.014					750	
704-DRA124-6R8-R	DRA124-6R8-R	C	6.8	7.28	4.46	7.33	0.021					750	
704-DRA124-8R2-R	DRA124-8R2-R	C	8.2	8.88	3.87	6.70	0.028					750	
704-DRA124-100-R	DRA124-100-R	C	10.0	10.37	3.67	6.16	0.031					750	
704-DRA124-150-R	DRA124-150-R	C	15.0	14.10	3.10	5.31	0.044					750	
704-DRA124-220-R	DRA124-220-R	C	22.0	23.00	2.44	4.16	0.071					750	
704-DRA124-330-R	DRA124-330-R	C	33.0	34.13	1.98	3.42	0.108					750	
704-DRA124-470-R	DRA124-470-R	C	47.0	46.27	1.78	2.91	0.134					750	
704-DRA124-680-R	DRA124-680-R	C	68.0	69.77	1.454	2.369	0.201					750	
704-DRA124-820-R	DRA124-820-R	C	82.0	80.57	1.285	2.232	0.257					750	
704-DRA124-101-R	DRA124-101-R	C	100	98.8	1.199	2.000	0.296					750	
704-DRA124-151-R	DRA124-151-R	C	150	151.7	0.967	1.621	0.454					750	
704-DRA124-221-R	DRA124-221-R	C	220	209.6	0.865	1.363	0.568					750	
704-DRA124-331-R	DRA124-331-R	C	330	326.9	0.690	1.092	0.892					750	
704-DRA124-471-R	DRA124-471-R	C	470	473.0	0.568	0.911	1.32					750	
704-DRA124-681-R	DRA124-681-R	C	680	682.1	0.466	0.759	1.96					750	
704-DRA124-821-R	DRA124-821-R	C	820	826.7	0.406	0.697	2.57					750	
704-DRA124-102-R	DRA124-102-R	C	1000	1001.0	0.380	0.629	2.94					750	

RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm



Features:

- 165°C maximum total temperature operation
- Five sizes of Automotive grade shielded drum core inductors
- Inductance range from 0.28uH to 1000uH
- Current range up to 56Amps
- Mechanical secure mounting for high shock and vibration environments
- Good thermal dispersion with thermal conductive epoxy
- Customized dual winding versions available upon request for SEPIC or Flyback configurations

Applications:

- Automotive Electronics (under the hood, interior/exterior)
- Telematics
- DC-DC converters
- Buck, boost, forward, and resonant converters
- Noise filtering and filter chokes

Environmental Data:

- Storage temperature range: -40°C to +165°C
- Operating ambient temperature range: -40°C to +165°C
- Solder reflow temperature: +260°C max. for 10 seconds max.
- Complies with AEC-Q200 standard

DRA125 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Rated Inductance (μH)	Open Circuit Inductance (μH)	I _{rms} (A)	I _{sat} (A)	DCR (Ω)	Price Each				Reel Quantity	Price Each
								1	10	50	100		
704-DRA125-R47-R	DRA125-R47-R	A	0.47	0.453	18.47	33.20	0.0016					600	
704-DRA125-1R0-R	DRA125-1R0-R	A	1.0	0.854	15.94	23.71	0.0021					600	
704-DRA125-1R5-R	DRA125-1R5-R	A	1.5	1.41	12.89	18.44	0.0033					600	
704-DRA125-2R2-R	DRA125-2R2-R	A	2.2	2.12	10.61	15.09	0.0048					600	
704-DRA125-3R3-R	DRA125-3R3-R	A	3.3	2.89	9.69	12.77	0.0058					600	
704-DRA125-4R7-R	DRA125-4R7-R	A	4.7	4.90	7.67	9.76	0.0092					600	
704-DRA125-6R8-R	DRA125-6R8-R	A	6.8	6.23	6.81	8.74	0.012					600	
704-DRA125-8R2-R	DRA125-8R2-R	A	8.2	7.49	6.41	7.9	0.013					600	
704-DRA125-100-R	DRA125-100-R	A	10.0	9.22	5.57	7.22	0.017					600	
704-DRA125-150-R	DRA125-150-R	A	15.0	14.67	4.45	5.72	0.027					600	
704-DRA125-220-R	DRA125-220-R	A	22.0	20.65	3.95	4.74	0.035					600	
704-DRA125-330-R	DRA125-330-R	A	33.0	31.47	3.19	3.86	0.053					600	
704-DRA125-470-R	DRA125-470-R	A	47.0	47.83	2.59	3.13	0.081					600	
704-DRA125-680-R	DRA125-680-R	A	68.0	68.48	2.125	2.635	0.120					600	
704-DRA125-820-R	DRA125-820-R	A	82.0	80.86	2.005	2.406	0.135					600	
704-DRA125-101-R	DRA125-101-R	A	100	97.6	1.745	2.213	0.178					600	
704-DRA125-151-R	DRA125-151-R	A	150	150.0	1.409	1.785	0.273					600	
704-DRA125-221-R	DRA125-221-R	A	220	222.8	1.142	1.469	0.416					600	
704-DRA125-331-R	DRA125-331-R	A	330	325.1	0.998	1.194	0.543					600	
704-DRA125-471-R	DRA125-471-R	A	470	466.3	0.826	1.006	0.79					600	
704-DRA125-681-R	DRA125-681-R	A	680	683.3	0.673	0.834	1.20					600	
704-DRA125-821-R	DRA125-821-R	A	820	813.6	0.632	0.758	1.36					600	
704-DRA125-102-R	DRA125-102-R	A	1000	992.8	0.552	0.695	1.78					600	

DRA127 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Rated Inductance (μH)	Open Circuit Inductance (μH)	I _{rms} (A)	I _{sat} (A)	DCR (Ω)	Price Each				Reel Quantity	Price Each
								1	10	50	100		
704-DRA127-R47-R	DRA127-R47-R	B	0.47	0.413	22.5	56	0.0012					350	
704-DRA127-1R0-R	DRA127-1R0-R	B	1.0	0.772	19.22	40	0.0017					350	
704-DRA127-1R5-R	DRA127-1R5-R	B	1.5	1.27	15.32	31.1	0.0027					350	
704-DRA127-2R2-R	DRA127-2R2-R	B	2.2	1.92	12.52	25.5	0.0040					350	
704-DRA127-3R3-R	DRA127-3R3-R	B	3.3	3.51	9.59	18.7	0.0068					350	
704-DRA127-4R7-R	DRA127-4R7-R	B	4.7	4.58	8.14	16.5	0.0094					350	
704-DRA127-6R8-R	DRA127-6R8-R	B	6.8	6.72	7.32	13.3	0.012					350	
704-DRA127-8R2-R	DRA127-8R2-R	B	8.2	8.33	6.33	12.2	0.016					350	
704-DRA127-100-R	DRA127-100-R	B	10.0	9.63	6.02	11.2	0.017					350	
704-DRA127-150-R	DRA127-150-R	B	15.0	14.90	4.83	9.03	0.027					350	
704-DRA127-220-R	DRA127-220-R	B	22.0	21.47	3.98	7.57	0.040					350	
704-DRA127-330-R	DRA127-330-R	B	33.0	32.01	3.22	6.22	0.060					350	
704-DRA127-470-R	DRA127-470-R	B	47.0	47.91	2.62	5.09	0.091					350	
704-DRA127-680-R	DRA127-680-R	B	68.0	68.22	2.333	4.18	0.115					350	
704-DRA127-820-R	DRA127-820-R	B	82.0	83.91	2.008	3.84	0.155					350	
704-DRA127-101-R	DRA127-101-R	B	100	100.8	1.888	3.46	0.175					350	
704-DRA127-151-R	DRA127-151-R	B	150	151.2	1.524	2.83	0.269					350	
704-DRA127-221-R	DRA127-221-R	B	220	219.8	1.253	2.35	0.398					350	
704-DRA127-331-R	DRA127-331-R	B	330	328.3	1.011	1.93	0.612					350	
704-DRA127-471-R	DRA127-471-R	B	470	474.5	0.827	1.62	0.91					350	
704-DRA127-681-R	DRA127-681-R	B	680	676.6	0.736	1.33	1.15					350	
704-DRA127-821-R	DRA127-821-R	B	820	824.6	0.637	1.22	1.54					350	
704-DRA127-102-R	DRA127-102-R	B	1000	998.7	0.598	1.11	1.75					350	

COILTRONICS® Power Inductors



RoHS Compliant This product is RoHS compliant.

DUAL WINDING, SHIELDED POWER INDUCTOR/TRANSFORMERS

Features:

- 125°C maximum total temperature operation
- Dual winding inductors that can be used as either a single inductor or in a coupled inductor/transformer application
- Four sizes of shielded drum core inductors

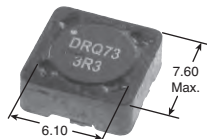
Specifications:

- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.

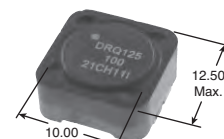
Applications:

- As a transformer: Sepic, flyback
- As an inductor: Buck, boost, coupled inductor
- DC-DC converters
- VRM inductor for CPU and DDR power supplies
- Input and output filter chokes

DIMENSIONS: mm



DRQ73 and DRQ74



DRQ125 and DRQ127

DRQ73 Series

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	Parallel Ratings					Series Ratings					Price Each			
			OCL (μH) ±20%	I _{rms} (A)	I _{sat} (A)	DCR (Ω @ 20°C) (Typical)	Volt/μSec (Typical)	OCL (μH) ±20%	I _{rms} (A)	I _{sat} (A)	DCR (Ω @ 20°C) (Typical)	Volt/μSec (Typical)	1	50	100	500
704-DRQ73-3R3-R	DRQ73-3R3-R	3.3	3.54	3.31	4.22	0.0259	6.73	14.16	1.66	2.11	0.1035	13.5				
704-DRQ73-4R7-R	DRQ73-4R7-R	4.7	4.42	3.09	3.78	0.0297	7.52	17.69	1.55	1.89	0.1188	15.0				
704-DRQ73-100-R	DRQ73-100-R	10	10.30	2.08	2.47	0.0656	11.5	41.2	1.04	1.24	0.2623	23.0				
704-DRQ73-150-R	DRQ73-150-R	15	15.01	1.83	2.05	0.0844	13.9	60.04	0.916	1.03	0.339	27.8				
704-DRQ73-220-R	DRQ73-220-R	22	22.65	1.62	1.67	0.107	17.0	90.6	0.811	0.83	0.429	34.0				
704-DRQ73-330-R	DRQ73-330-R	33	34.41	1.31	1.35	0.166	21.0	137.6	0.653	0.68	0.665	42.0				

DRQ74 Series

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	Parallel Ratings					Series Ratings					Price Each			
			OCL (μH) ±20%	I _{rms} (A)	I _{sat} (A)	DCR (Ω @ 20°C) (Typical)	Volt/μSec (Typical)	OCL (μH) ±20%	I _{rms} (A)	I _{sat} (A)	DCR (Ω @ 20°C) (Typical)	Volt/μSec (Typical)	1	50	100	500
704-DRQ74-6R8-R	DRQ74-6R8-R	6.8	7.34	2.60	3.67	0.0418	8.55	29.38	1.30	1.84	0.167	17.1				
704-DRQ74-100-R	DRQ74-100-R	10	9.88	2.41	3.17	0.0489	9.92	39.53	1.20	1.58	0.196	19.8				
704-DRQ74-220-R	DRQ74-220-R	22	21.73	1.75	2.13	0.0925	14.7	86.92	0.874	1.07	0.371	29.4				
704-DRQ74-330-R	DRQ74-330-R	33	33.01	1.41	1.73	0.143	18.1	132.0	0.702	0.87	0.574	36.2				

DRQ125 Series

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	Parallel Ratings					Series Ratings					Price Each			
			OCL (μH) ±20%	I _{rms} (A)	I _{sat} (A)	DCR (Ω @ 20°C) (Typical)	Volt/μSec (Typical)	OCL (μH) ±20%	I _{rms} (A)	I _{sat} (A)	DCR (Ω @ 20°C) (Typical)	Volt/μSec (Typical)	1	50	100	500
704-DRQ125-100-R	DRQ125-100-R	10	9.65	5.35	7.17	0.0189	14.6	38.62	2.67	3.59	0.0757	29.2				
704-DRQ125-150-R	DRQ125-150-R	15	15.35	4.27	5.69	0.0298	18.4	61.4	2.13	2.85	0.12	36.8				
704-DRQ125-330-R	DRQ125-330-R	33	33.74	3.28	3.84	0.0505	27.2	135.0	1.64	1.92	0.203	54.4				
704-DRQ125-101-R	DRQ125-101-R	100	102.7	1.78	2.20	0.17	47.5	410.8	0.892	1.10	0.682	95.0				

DRQ127 Series

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	Parallel Ratings					Series Ratings					Price Each			
			OCL (μH) ±20%	I _{rms} (A)	I _{sat} (A)	DCR (Ω @ 20°C) (Typical)	Volt/μSec (Typical)	OCL (μH) ±20%	I _{rms} (A)	I _{sat} (A)	DCR (Ω @ 20°C) (Typical)	Volt/μSec (Typical)	1	50	100	500
704-DRQ127-4R7-R	DRQ127-4R7-R	4.7	4.84	8.25	16.5	0.00917	11.9	19.36	4.13	8.24	0.0367	23.8				
704-DRQ127-100-R	DRQ127-100-R	10	10.47	6.04	11.2	0.0172	17.5	41.88	3.02	5.60	0.0686	35.0				
704-DRQ127-150-R	DRQ127-150-R	15	14.09	5.03	9.66	0.0247	20.3	56.36	2.51	4.83	0.099	40.6				
704-DRQ127-220-R	DRQ127-220-R	22	22.93	4.00	7.57	0.0391	25.9	91.72	2.00	3.78	0.157	51.8				
704-DRQ127-470-R	DRQ127-470-R	47	47.05	2.95	5.28	0.0719	37.1	188.2	1.47	2.64	0.288	74.2				
704-DRQ127-101-R	DRQ127-101-R	100	99.31	1.96	3.64	0.163	53.9	397.2	0.98	1.82	0.653	107.8				

MPA7030 SERIES, HIGH FREQUENCY HIGH CURRENT POWER INDUCTORS

Features:

- Halogen free
- 165°C maximum total temperature operation
- 7.6x7.0x3.0mm maximum surface mount package
- Magnetically shielded

- Rugged construction
- Handles high transient inrush current spikes
- Inductance Range from 1.5μH to 8.2μH
- Current range from 3.5 to 17.5Amps

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Open Circuit Inductance (μH)	I _{rms} (A)	I _{rms} (A)	I _{sat} (A)	SRF (MHz) Min	DCR (Ω)	Price Each				Reel Qty.	Price Each
								1	50	100	500		
704-MPA7030-1R5-R	MPA7030-1R5-R	1.5	9.20	7.60	17.5	37	13.5					1500	
704-MPA7030-2R2-R	MPA7030-2R2-R	2.2	7.70	6.30	11.0	28	19.6					1500	
704-MPA7030-3R3-R	MPA7030-3R3-R	3.3	6.20	5.40	11.0	19	26.0					1500	
704-MPA7030-4R7-R	MPA7030-4R7-R	4.7	5.50	4.70	9.5	15	36.5					1500	
704-MPA7030-6R8-R	MPA7030-6R8-R	6.8	4.50	3.80	7.5	12	55.0					1500	
704-MPA7030-8R2-R	MPA7030-8R2-R	8.2	4.00	3.50	8.0	10	64.5					1500	

HIGH FREQUENCY, HIGH CURRENT MINIATURE POWER INDUCTORS

Features:

- Halogen Free
- Magnetically Shielded
- Handles high transient inrush current spikes

Specifications:

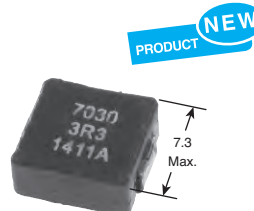
- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: J-STD-020D Compliant

Applications:

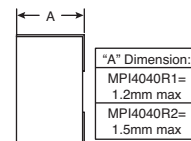
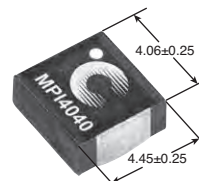
- Handheld/Mobile Devices
- GPS/PDAs
- MP3 Players
- Notebook/Netbook

MOUSER STOCK NO.	Coiltronics Part No.	OCL1 ± 15% (μH)	I _{rms} 2 (Amps)	I _{sat} 3 (Amps)	(mΩ) @ 20°C ± 15%	K-factor4	Price Each			
							1	50	100	500
704-MPI4040R1-R15-R	MPI4040R1-R15-R	0.15	6.5	26	11	1694				
704-MPI4040R1-R47-R	MPI4040R1-R47-R	0.47	3.75	11	35	912				
704-MPI4040R1-R68-R	MPI4040R1-R68-R	0.68	3.1	9	51	790				
704-MPI4040R2-R47-R	MPI4040R2-R47-R	0.47	4.3	13	28	912				
704-MPI4040R2-1R0-R	MPI4040R2-1R0-R	1	3.8	2.25	38	760				
704-MPI4040R3-1R5-R	MPI4040R3-1R5-R	1.5	3.8	8.2	36	600				
704-MPI4040R2-2R2-R	MPI4040R2-2R2-R	2.2	2.3	1.5	82	506				
704-MPI4040R3-2R2-R	MPI4040R3-2R2-R	2.2	3.4	7.9	48	506				
704-MPI4040R2-3R3-R	MPI4040R2-3R3-R	3.3	1.96	1.25	113	430				
704-MPI4040R3-3R3-R	MPI4040R3-3R3-R	3.3	3	6.6	60	430				
704-MPI4040R2-4R7-R	MPI4040R2-4R7-R	4.7	1.6	1.1	175	368				
704-MPI4040R3-4R7-R	MPI4040R3-4R7-R	4.7	2.3	4.8	92	350				
704-MPI4040R3-6R8-R	MPI4040R3-6R8-R	6.8	2	4.5	140	290				
704-MPI4040R3-100-R	MPI4040R3-100-R	10	1.5	3.8	213	240				
704-MPI4040R3-220-R	MPI4040R3-220-R	22	1.1	2.2	408	160				

DIMENSIONS: mm



MPA7030



MPI4040R

RoHS Compliant This product is RoHS compliant.

HCM1103 SERIES HIGH CURRENT, HIGH FREQUENCY POWER INDUCTORS

Features:

- Power iron core material
- Magnetically shielded, low EMI
- High current carrying capacity, low core losses

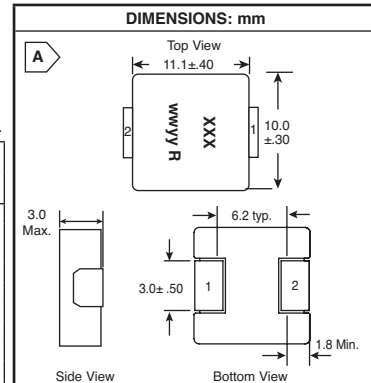
Specifications:

- Operating Temperature Range: -55°C to +125°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Open Circuit Inductance (uH)	Full Load Inductance (uH)	I _{rms} (A)	I _{sat} (A)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
704-HCM1103-R12-R	HCM1103-R12-R	A	0.12	0.07	30	75				1000	
704-HCM1103-R36-R	HCM1103-R36-R	A	0.36	0.26	23	28				1000	
704-HCM1103-R47-R	HCM1103-R47-R	A	0.47	0.33	20	26				1000	
704-HCM1103-R68-R	HCM1103-R68-R	A	0.68	0.38	21	23				1000	
704-HCM1103-1R0-R	HCM1103-1R0-R	A	1	0.56	15	21				1000	
704-HCM1103-2R2-R	HCM1103-2R2-R	A	2.2	1.2	13	16				1000	
704-HCM1103-3R3-R	HCM1103-3R3-R	A	3.3	1.9	9	14				1000	
704-HCM1103-4R7-R	HCM1103-4R7-R	A	4.7	2.6	7	13				1000	
704-HCM1103-8R2-R	HCM1103-8R2-R	A	8.2	4.6	5	8.5				1000	
704-HCM1103-100-R	HCM1103-100-R	A	10	5.6	5	7.5				1000	
704-HCM1103-150-R	HCM1103-150-R	A	15	8.4	4	6				1000	
704-HCM1103-220-R	HCM1103-220-R	A	22	12.3	3	5				1000	



HCM0503 AND HCM0703 SERIES HIGH CURRENT POWER INDUCTORS

Features:

- Power iron core material
- Magnetically shielded, low EMI
- High current carrying capacity, low core losses
- Wide Frequency Range

- High Energy Density
- Good thermal dissipation
- Soft roll-off
- High Saturation Current

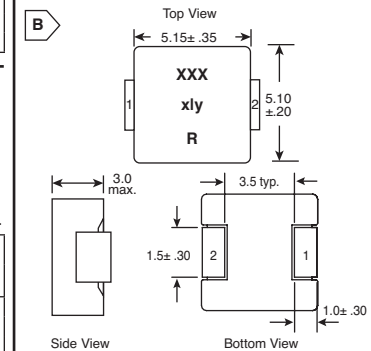
Specifications:

- Operating Temperature Range: -55°C to +125°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Open Circuit Inductance (uH)	Full Load Inductance (uH)	I _{rms} (A)	I _{sat} (A)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
704-HCM0503-R20-R	HCM0503-R20-R	B	0.20	0.128	22.2	21				2000	
704-HCM0503-R35-R	HCM0503-R35-R	B	0.35	0.224	16.6	14.9				2000	
704-HCM0503-R75-R	HCM0503-R75-R	B	0.75	0.480	11.3	9.7				2000	
704-HCM0503-1R0-R	HCM0503-1R0-R	B	1	0.640	10.1	8.5				2000	
704-HCM0703-R15-R	HCM0703-R15-R	C	0.15	0.09	26	52				1500	
704-HCM0703-R22-R	HCM0703-R22-R	C	0.22	0.13	23	40				1500	
704-HCM0703-R47-R	HCM0703-R47-R	C	0.47	0.28	17.5	26				1500	
704-HCM0703-R68-R	HCM0703-R68-R	C	0.68	0.41	15.5	25				1500	
704-HCM0703-R82-R	HCM0703-R82-R	C	0.82	0.49	13	24				1500	
704-HCM0703-1R0-R	HCM0703-1R0-R	C	1	0.60	11	22				1500	
704-HCM0703-1R5-R	HCM0703-1R5-R	C	1.5	0.90	9	18				1500	
704-HCM0703-2R2-R	HCM0703-2R2-R	C	2.2	1.32	8	14				1500	
704-HCM0703-3R3-R	HCM0703-3R3-R	C	3.3	1.98	6	13.5				1500	
704-HCM0703-4R7-R	HCM0703-4R7-R	C	4.7	2.82	5.5	10				1500	
704-HCM0703-6R8-R	HCM0703-6R8-R	C	6.8	4.08	4.5	8				1500	
704-HCM0703-8R2-R	HCM0703-8R2-R	C	8.2	4.92	4	7.5				1500	
704-HCM0703-100-R	HCM0703-100-R	C	10	6	3.2	7				1500	



HCF1007 SERIES HIGH CURRENT, HIGH FREQUENCY POWER INDUCTORS

Features:

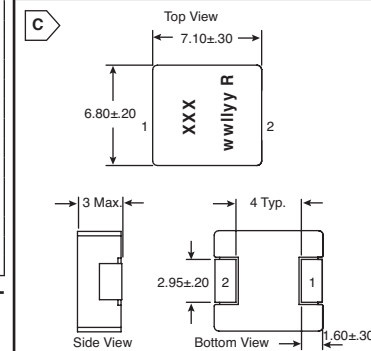
- Ferrite core material
- Secure 3 terminal mounting
- High current carrying capacity, low core losses
- Controlled DCR tolerance for sensing currents

Specifications:

- Operating Temperature Range: -40°C to +125°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Open Circuit Inductance (uH)	Full Load Inductance (uH)	I _{rms} (A)	I _{sat} (A)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
704-HCF1007-R56-R	HCF1007-R56-R	D	0.56	0.40	26	36				700	
704-HCF1007-1R0-R	HCF1007-1R0-R	D	1	0.72	16	26				700	
704-HCF1007-1R5-R	HCF1007-1R5-R	D	1.5	1.08	13	22				700	
704-HCF1007-2R2-R	HCF1007-2R2-R	D	2.2	1.57	10.7	18				700	
704-HCF1007-3R3-R	HCF1007-3R3-R	D	3.3	2.37	10	14.5				700	
704-HCF1007-4R7-R	HCF1007-4R7-R	D	4.7	3.38	9.4	12				700	
704-HCF1007-6R8-R	HCF1007-6R8-R	D	6.8	4.90	9.4	7.8				700	
704-HCF1007-100-R	HCF1007-100-R	D	10	7.20	9.4	5.3				700	



SDH2812 SERIES LOW PROFILE, HIGH POWER, SHIELDED DRUM INDUCTORS

Features:

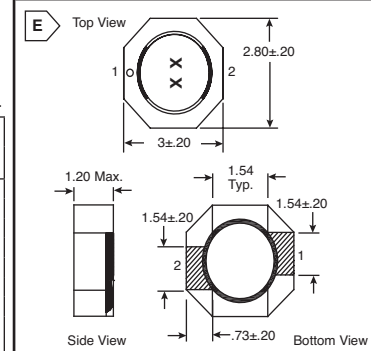
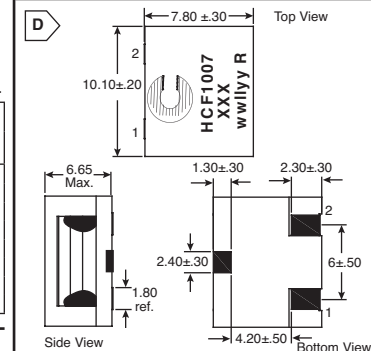
- Ferrite core material
- High power density, ultra-compact footprint
- Magnetically shielded, low EMI

Specifications:

- Operating Temperature Range: -40°C to +125°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Open Circuit Inductance (uH)	Full Load Inductance (uH)	I _{rms} (A)	I _{sat} (A)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
704-SDH2812-1R5-R	SDH2812-1R5-R	E	1.5	A	1.33	1.71				4500	
704-SDH2812-2R2-R	SDH2812-2R2-R	E	2.2	B	1.26	1.53				4500	
704-SDH2812-3R3-R	SDH2812-3R3-R	E	3.2	C	1.08	1.16				4500	
704-SDH2812-4R7-R	SDH2812-4R7-R	E	4.2	D	0.90	1.00				4500	
704-SDH2812-100-R	SDH2812-100-R	E	9.67	G	0.62	0.71				4500	
704-SDH2812-150-R	SDH2812-150-R	E	14.7	H	0.50	0.57				4500	
704-SDH2812-220-R	SDH2812-220-R	E	21.6	I	0.44	0.46				4500	
704-SDH2812-470-R	SDH2812-470-R	E	46.7	K	0.30	0.32				4500	
704-SDH2812-680-R	SDH2812-680-R	E	68	L	0.27	0.27				4500	



Features:

- Miniature surface mount design
- Inductance range from 0.470µH to 1000µH
- Current range from 19.2 to .47 Amps
- Maximum power density
- Ideal for applications requiring low inductance and high current in a miniature package

Applications:

- DC-DC converters on board level and industrial products

Packaging:

- Supplied in tape and reel packaging, 900 (UP1B), 550 (UP2B), 450 (UP3B), and 275 (UP4B) per reel

Environmental Data:

- Storage temperature range: -40°C to +125°C
- Operating ambient temperature range: -40°C to +85°C
- Solder reflow temperature: +260°C max. for 10 seconds max.

RoHS Compliant This product is RoHS compliant.

UP1B SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (µH)	Open Circuit Value (µH)	Irms (A)	Isat (A)	DCR (Ω) Max.	Price Each			
								1	50	100	500
704-UP1B-R47-R	UP1B-R47-R	A	0.47	0.569	6.0	7.7	0.0097				
704-UP1B-1R0-R	UP1B-1R0-R	A	1.0	1.20	4.4	5.3	0.0177				
704-UP1B-1R5-R	UP1B-1R5-R	A	1.5	1.61	4.2	4.5	0.020				
704-UP1B-2R2-R	UP1B-2R2-R	A	2.2	2.62	3.1	3.5	0.0363				
704-UP1B-3R3-R	UP1B-3R3-R	A	3.3	3.79	2.9	3.0	0.0428				
704-UP1B-4R7-R	UP1B-4R7-R	A	4.7	5.15	2.2	2.6	0.0544				
704-UP1B-6R8-R	UP1B-6R8-R	A	6.8	6.87	1.7	2.2	0.0897				
704-UP1B-100-R	UP1B-100-R	A	10	11.0	1.5	1.9	0.1107				
704-UP1B-150-R	UP1B-150-R	A	15	16.0	1.2	1.5	0.1747				
704-UP1B-220-R	UP1B-220-R	A	22	23.5	1.0	1.2	0.2541				
704-UP1B-330-R	UP1B-330-R	A	33	36.0	0.82	0.99	0.367				
704-UP1B-470-R	UP1B-470-R	A	47	48.5	0.72	0.87	0.474				
704-UP1B-680-R	UP1B-680-R	A	68	73.52	0.58	0.67	0.732				
704-UP1B-101-R	UP1B-101-R	A	100	112.67	0.47	0.53	1.11				
704-UP1B-151-R	UP1B-151-R	A	150	152.4	0.40	0.46	1.61				
704-UP1B-221-R	UP1B-221-R	A	220	223.1	0.36	0.38	1.96				
704-UP1B-331-R	UP1B-331-R	A	330	331.9	0.28	0.31	3.10				

UP2B SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (µH)	Open Circuit Value (µH)	Irms (A)	Isat (A)	DCR (Ω) Max.	Price Each			
								1	55	110	220
704-UP2B-R47-R	UP2B-R47-R	B	0.47	0.595	10.6	11.4	0.0049				
704-UP2B-1R0-R	UP2B-1R0-R	B	1.0	1.0	9.3	9.9	0.0065				
704-UP2B-1R5-R	UP2B-1R5-R	B	1.5	1.46	8.3	7.9	0.0081				
704-UP2B-2R2-R	UP2B-2R2-R	B	2.2	2.56	7.2	6.1	0.0107				
704-UP2B-3R3-R	UP2B-3R3-R	B	3.3	3.23	6.5	5.1	0.0128				
704-UP2B-4R7-R	UP2B-4R7-R	B	4.7	4.77	5.5	4.2	0.0165				
704-UP2B-6R8-R	UP2B-6R8-R	B	6.8	6.63	5.0	3.6	0.0202				
704-UP2B-100-R	UP2B-100-R	B	10	9.73	4.3	3.3	0.0267				
704-UP2B-150-R	UP2B-150-R	B	15	15.43	3.5	2.4	0.041				
704-UP2B-220-R	UP2B-220-R	B	22	22.5	2.8	2.0	0.0617				
704-UP2B-330-R	UP2B-330-R	B	33	33.13	2.1	1.7	0.0917				
704-UP2B-470-R	UP2B-470-R	B	47	48.65	1.7	1.4	0.1388				
704-UP2B-680-R	UP2B-680-R	B	68	68.17	1.5	1.2	0.1787				
704-UP2B-820-R	UP2B-820-R	B	82	84.1	1.34	1.03	0.2235				
704-UP2B-101-R	UP2B-101-R	B	100	102.6	1.2	0.95	0.2707				
704-UP2B-151-R	UP2B-151-R	B	150	150	1.0	0.77	0.41				
704-UP2B-221-R	UP2B-221-R	B	220	223	0.773	0.637	0.6717				
704-UP2B-331-R	UP2B-331-R	B	330	338	0.676	0.510	0.8783				
704-UP2B-471-R	UP2B-471-R	B	470	471	0.553	0.427	1.31				
704-UP2B-681-R	UP2B-681-R	B	680	700	0.452	0.355	1.97				
704-UP2B-821-R	UP2B-821-R	B	820	823	0.423	0.334	2.24				
704-UP2B-102-R	UP2B-102-R	B	1000	1005	0.369	0.300	2.96				

UP3B SERIES

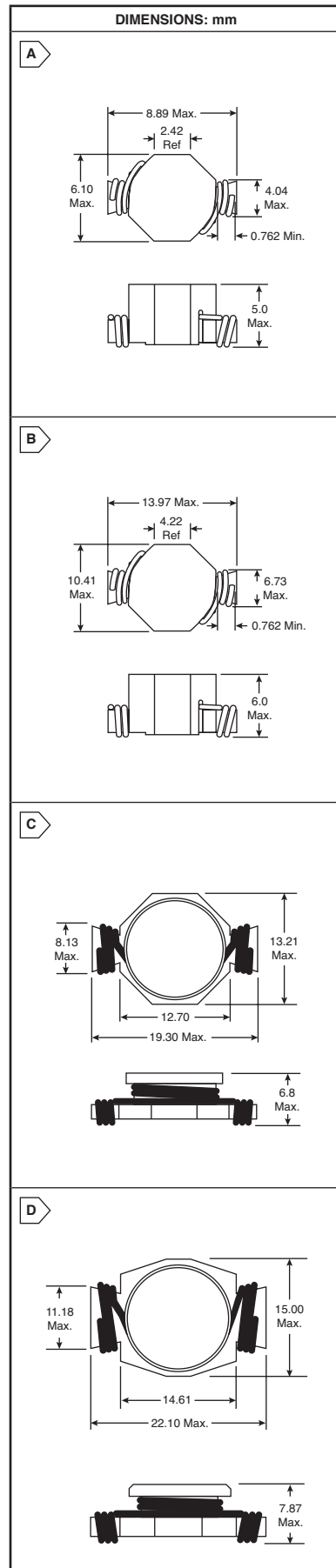
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (µH)	Open Circuit Value (µH)	Irms (A)	Isat (A)	DCR (Ω) Max.	Price Each			
								1	25	50	100
704-UP3B-R47-R	UP3B-R47-R	C	0.47	0.452	16	25.1	0.0021				
704-UP3B-1R0-R	UP3B-1R0-R	C	1.0	1.34	12.5	15.3	0.0034				
704-UP3B-1R5-R	UP3B-1R5-R	C	1.5	2.08	10	12	0.0053				
704-UP3B-2R2-R	UP3B-2R2-R	C	2.2	3.01	9.2	10.2	0.0074				
704-UP3B-3R3-R	UP3B-3R3-R	C	3.3	3.96	8.0	9.3	0.0083				
704-UP3B-4R7-R	UP3B-4R7-R	C	4.7	5.0	6.5	7.7	0.0114				
704-UP3B-6R8-R	UP3B-6R8-R	C	6.8	7.7	5.8	6.2	0.0183				
704-UP3B-100-R	UP3B-100-R	C	10	11.0	4.3	5.2	0.026				
704-UP3B-150-R	UP3B-150-R	C	15	16.38	3.9	4.3	0.0317				
704-UP3B-220-R	UP3B-220-R	C	22	23.93	3.1	3.7	0.049				
704-UP3B-330-R	UP3B-330-R	C	33	33.85	2.4	3.0	0.0688				
704-UP3B-470-R	UP3B-470-R	C	47	51	1.9	2.4	0.1082				
704-UP3B-680-R	UP3B-680-R	C	68	69.5	1.6	2.0	0.1558				
704-UP3B-101-R	UP3B-101-R	C	100	101.4	1.4	1.8	0.2053				
704-UP3B-151-R	UP3B-151-R	C	150	152.9	1.2	1.4	0.296				
704-UP3B-331-R	UP3B-331-R	C	330	332.8	0.75	0.98	0.733				

UP4B SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (µH)	Open Circuit Value (µH)	Irms (A)	Isat (A)	DCR (Ω) Max.	Price Each			
								1	25	50	100
704-UP4B-R47-R	UP4B-R47-R	D	0.47	0.473	19.2	51.7	0.0019				
704-UP4B-1R0-R	UP4B-1R0-R	D	1.0	0.916	17.3	37.3	0.0023				
704-UP4B-1R5-R	UP4B-1R5-R	D	1.5	1.52	13.4	28.9	0.0039				
704-UP4B-2R2-R	UP4B-2R2-R	D	2.2	2.27	12	23.7	0.0048				
704-UP4B-3R3-R	UP4B-3R3-R	D	3.3	3.14	11	20.2	0.0057				
704-UP4B-4R7-R	UP4B-4R7-R	D	4.7	5.34	8.6	15.6	0.0093				
704-UP4B-6R8-R	UP4B-6R8-R	D	6.8	6.66	8.3	14.1	0.01				
704-UP4B-100-R	UP4B-100-R	D	10	9.77	6.8	11.5	0.015				
704-UP4B-150-R	UP4B-150-R	D	15	15.61	5.5	9.1	0.023				
704-UP4B-220-R	UP4B-220-R	D	22	22.61	4.5	7.6	0.034				
704-UP4B-330-R	UP4B-330-R	D	33	34.3	3.7	6.1	0.052				
704-UP4B-470-R	UP4B-470-R	D	47	48.1	3.1	5.2	0.074				
704-UP4B-680-R	UP4B-680-R	D	68	69.14	2.4	4.3	0.12				
704-UP4B-101-R	UP4B-101-R	D	100	99.42	2.0	3.6	0.17				
704-UP4B-151-R	UP4B-151-R	D	150	146.9	1.7	3.0	0.2392				
704-UP4B-221-R	UP4B-221-R	D	220	221.4	1.4	2.4	0.3571				
704-UP4B-331-R	UP4B-331-R	D	330	330	1.1	2.0	0.58				
704-UP4B-471-R	UP4B-471-R	D	470	470.1	0.91	1.7	0.833				



COILTRONICS® Versa-Pac SMT Inductors & Transformers



Features:

- Six winding, surface mount devices that offer more than 500 inductor or transformer configurations
- High power density and low profile
- Low radiated noise and tightly coupled windings
- Power range from 1 Watt - 70 Watts
- Frequency range to over 1MHz
- 500 VAC Isolation
- Ferrite core material

Applications:

- Inductors: buck, boost, coupled, choke, filter, resonant, noise filtering, differential, forward, common mode
- Transformers: flyback, feed forward, push-pull, multipleoutput, inverter, step-up, step-down, gate drive, base drive, wide band, pulse, control, impedance, isolation, bridging, ringer, converter, auto

NOTE: Base - The value for a single winding. There are 6 windings in each device.

Environmental Data:

- Storage temperature range: -55°C to 125°C
- Operating ambient temperature range: -40°C to +85°C
- Solder reflow temperature: +260°C max. for 10 seconds max.

Packaging:

- Supplied in tape and reel packaging, 600 (VP01), 300 (VP02), and 200 (VP03) per reel
- Supplied in bulk packaging (VP04 and VP05)

RoHS Compliant This product is RoHS compliant.

VP1 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base) (µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	10	50	100
704-VP1-0059-R	VP1-0059-R	A	3.8	±20%	1.37	0.85	0.145	21.8	2.48	0.096	60.7				
704-VP1-0076-R	VP1-0076-R	A	4.9	±20%	1.06	0.85	0.145	21.8	1.92	0.096	60.7				
704-VP1-0190-R	VP1-0190-R	A	12.2	±20%	0.43	0.85	0.145	21.8	0.77	0.096	60.7				
704-VP1-1400-R	VP1-1400-R	A	89.6	±30%	0.06	0.85	0.145	21.8	0.11	0.096	60.7				

For quantities greater than listed, call for quote.

VPH1 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base) (µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	10	50	100
704-VPH1-0059-R	VPH1-0059-R	A	8.5	±20%	0.92	0.55	0.344	32.9	2.48	0.212	60.7				
704-VPH1-0076-R	VPH1-0076-R	A	10.9	±20%	0.72	0.55	0.344	32.9	1.92	0.212	60.7				
704-VPH1-0102-R	VPH1-0102-R	A	14.7	±20%	0.53	0.55	0.344	32.9	1.45	0.212	60.7				
704-VPH1-0190-R	VPH1-0190-R	A	27.4	±20%	0.29	0.55	0.344	32.9	0.77	0.212	60.7				
704-VPH1-1400-R	VPH1-1400-R	A	201.6	±30%	0.04	0.55	0.344	32.9	0.11	0.212	60.7				

For quantities greater than listed, call for quote.

VP2 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base) (µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	25	50	100
704-VP2-0066-R	VP2-0066-R	B	3.2	±20%	2.50	1.26	0.090	33.7	7.01	0.083	44.0				
704-VP2-0083-R	VP2-0083-R	B	4.1	±20%	1.95	1.26	0.090	33.7	5.47	0.083	44.0				
704-VP2-0116-R	VP2-0116-R	B	5.7	±20%	1.41	1.26	0.090	33.7	3.94	0.083	44.0				
704-VP2-0216-R	VP2-0216-R	B	10.6	±20%	0.76	1.26	0.090	33.7	2.11	0.083	44.0				
704-VP2-1600-R	VP2-1600-R	B	78.4	±30%	0.10	1.26	0.090	33.7	0.29	0.083	44.0				

For quantities greater than listed, call for quote.

VPH2 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base) (µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	10	25	100
704-VPH2-0066-R	VPH2-0066-R	B	6.6	±20%	1.74	0.95	0.159	48.3	7.01	0.165	44.0				
704-VPH2-0083-R	VPH2-0083-R	B	8.3	±20%	1.39	0.95	0.159	48.3	5.47	0.165	44.0				
704-VPH2-0116-R	VPH2-0116-R	B	11.6	±20%	0.99	0.95	0.159	48.3	3.94	0.165	44.0				
704-VPH2-0216-R	VPH2-0216-R	B	21.6	±20%	0.53	0.95	0.159	48.3	2.11	0.165	44.0				

For quantities greater than listed, call for quote.

VP3 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base) (µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	10	25	100
704-VP3-0047-R	VP3-0047-R	C	3.8	±20%	1.73	1.47	0.061	27.7	4.00	0.058	43.4				
704-VP3-0055-R	VP3-0055-R	C	4.5	±20%	1.46	1.47	0.061	27.7	3.38	0.058	43.4				
704-VP3-0084-R	VP3-0084-R	C	6.8	±20%	0.97	1.47	0.061	27.7	2.23	0.058	43.4				
704-VP3-0138-R	VP3-0138-R	C	11.2	±20%	0.59	1.47	0.061	27.7	1.36	0.058	43.4				
704-VP3-0780-R	VP3-0780-R	C	63.2	±30%	0.10	1.47	0.061	27.7	0.24	0.058	43.4				

For quantities greater than listed, call for quote.

VPH3 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base) (µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	10	25	100
704-VPH3-0047-R	VPH3-0047-R	C	7.94	±20%	1.19	0.97	0.14	39.8	4.00	0.125	43.4				
704-VPH3-0055-R	VPH3-0055-R	C	9.3	±20%	1.02	0.97	0.14	39.8	3.38	0.125	43.4				
704-VPH3-0084-R	VPH3-0084-R	C	14.2	±20%	0.67	0.97	0.14	39.8	2.23	0.125	43.4				
704-VPH3-0138-R	VPH3-0138-R	C	23.3	±20%	0.41	0.97	0.14	39.8	1.36	0.125	43.4				
704-VPH3-0780-R	VPH3-0780-R	C	132	±30%	0.07	0.97	0.14	39.8	0.24	0.125	43.4				

For quantities greater than listed, call for quote.

VP4 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base) (µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	6	12	24
704-VP4-0047-R	VP4-0047-R	D	3.8	±20%	2.81	1.70	0.057	44.7	10.52	0.075	39.4				
704-VP4-0060-R	VP4-0060-R	D	4.9	±20%	2.18	1.70	0.057	44.7	8.16	0.075	39.4				
704-VP4-0075-R	VP4-0075-R	D	6.1	±20%	1.75	1.70	0.057	44.7	6.55	0.075	39.4				
704-VP4-0140-R	VP4-0140-R	D	11.3	±20%	0.95	1.70	0.057	44.7	3.54	0.075	39.4				
704-VP4-0860-R	VP4-0860-R	D	87	±30%	0.15	1.70	0.057	44.7	0.57	0.075	39.4				

For quantities greater than listed, call for quote.

VPH4 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base) (µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	15	25	35
704-VPH4-0047-R	VPH4-0047-R	D	7.94	±20%	1.94	1.41	0.0828	64.6	10.52	0.156	39.4				
704-VPH4-0060-R	VPH4-0060-R	D	10.1	±20%	1.52	1.41	0.0828	64.6	8.16	0.156	39.4				
704-VPH4-0075-R	VPH4-0075-R	D	12.7	±20%	1.21	1.41	0.0828	64.6	6.55	0.156	39.4				
704-VPH4-0140-R	VPH4-0140-R	D	23.7	±20%	0.65	1.41	0.0828	64.6	3.54	0.156	39.4				
704-VPH4-0860-R	VPH4-0860-R	D	159.65	±30%	0.11	1.41	0.0828	64.6	0.57	0.156	39.4				

For quantities greater than listed, call for quote.

VP5 SERIES

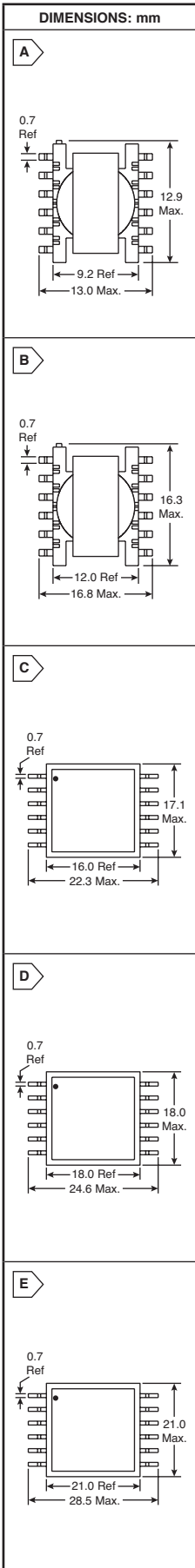
MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base) (µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	15	25	35
704-VP5-0053-R	VP5-0053-R	E	3.4	±20%	4.59	2.08	0.047	65.6	25.10	0.105	30.3				
704-VP5-0067-R	VP5-0067-R	E	4.3	±20%	3.63	2.08	0.047	65.6	19.83	0.105	30.3				
704-VP5-0083-R	VP5-0083-R	E	5.3	±20%	2.95	2.08	0.047	65.6	16.07	0.105	30.3				
704-VP5-0155-R	VP5-0155-R	E	9.9	±20%	1.60	2.08	0.047	65.6	8.83	0.105	30.3				
704-VP5-1200-R	VP5-1200-R	E	76.8	±30%	0.20	2.08	0.047	65.6	1.11	0.105	30.3				

For quantities greater than listed, call for quote.

VPH5 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base) (µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	15	25	35
704-VPH5-0053-R	VPH5-0053-R	E	7.63	±20%	3.07	1.70	0.0711	98.4	25.10	0.235	30.3				
704-VPH5-0067-R	VPH5-0067-R	E	9.65	±20%	2.43	1.70	0.0711	98.4	19.83	0.235	30.3				
704-VPH5-0083-R	VPH5-0083-R	E	12	±20%	1.96	1.70	0.0711	98.4	16.07	0.235	30.3				
704-VPH5-0155-R	VPH5-0155-R	E	22.3	±20%	1.05	1.70	0.0711	98.4	8.83	0.235	30.3				
704-VPH5-1200-R	VPH5-1200-R	E	173	±30%	0.14	1.70	0.0711	98.4	1.11	0.235	30.3				

For quantities greater than listed, call for quote.





SMD SERIES B82554

- Enamel Copper Flat Wire Winding
- High Current Rating
- Magnetically Shielded Ferrite Core
- Low DC Resistance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82559A112A13	B82559A112A13	A	1.1	20				
871-B82559A222A13	B82559A222A13	A	2.2	15				
871-B82559A501A13	B82559A501A13	A	0.5	30				
871-B82559A142A13	B82559A142A13	A	1.4	22				
871-B82559A242A13	B82559A242A13	A	2.4	16.5				
871-B82559A392A13	B82559A392A13	A	3.9	12				
871-B82559A951A13	B82559A951A13	A	0.95	25				

SMD SERIES B82462-G4

- Enamel Copper Wire Winding Welded to Terminals
- Size: 6mm by 6mm
- High Current Rating
- Magnetically Shielded Ferrite Core
- Wide Temp Range
- Low DC Resistance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82462G4102M	B82462G4102M	B	1	3.4				
871-B82462G4103M	B82462G4103M	B	10	1.5				
871-B82462G4104M	B82462G4104M	B	100	0.53				
871-B82462G4222M	B82462G4222M	B	2.2	2.55				
871-B82462G4223M	B82462G4223M	B	22	1.05				
871-B82462G4224M	B82462G4224M	B	220	0.35				
871-B82462G4333M	B82462G4333M	B	33	0.85				
871-B82462G4334M	B82462G4334M	B	330	0.27				

SMD SERIES B82464-A4

- Enamel Copper Wire Winding Welded to Terminals
- Ferrite Core
- Size: 10mm by 10mm
- Very High Current Rating
- Wide Temp Range
- Low DC Resistance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82464A4224K	B82464A4224K	C	220	0.8				
871-B82464A4334K	B82464A4334K	C	330	0.6				
871-B82464G4102M	B82464G4102M	C	1	7.5				
871-B82464G4103M	B82464G4103M	C	10	2.5				
871-B82464G4104M	B82464G4104M	C	100	1				
871-B82464G4105M	B82464G4105M	C	1000	0.3				

SMD SERIES B82471

- Enamel Copper Wire Winding
- Ferrite Core
- Size: 6mm by 6mm
- High Current Rating
- Welded to Terminals
- Low DC Resistance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82471A1103M	B82471A1103M	D	10	1.44				
871-B82471A1104K	B82471A1104K	D	100	0.52				
871-B82471A1224K	B82471A1224K	D	220	0.35				

SMD SERIES B82472-G4

- Enamel Copper Wire Winding
- Plastic Terminal Carrier
- Size: 7mm by 7mm
- Very High Current Rating
- Soldered to Terminals
- Wide Temp Range
- Low DC Resistance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82472G4102M	B82472G4102M	E	1	2.9				
871-B82472G4103M	B82472G4103M	E	10	1.34				
871-B82472G4104M	B82472G4104M	E	100	0.45				
871-B82472G4224M	B82472G4224M	E	220	0.3				
871-B82472G4473M	B82472G4473M	E	47	0.65				
871-B82472G6102M	B82472G6102M	E	1	3.6				
871-B82472G6103M	B82472G6103M	E	10	1.9				
871-B82472G6104M	B82472G6104M	E	100	0.67				
871-B82472G6105M	B82472G6105M	E	1000	0.2				

SMD SERIES B82473

- Enamel Copper Wire Winding Soldered to Terminals
- Ferrite Core
- Plastic Core
- Size: 7mm by 7mm
- High Current Rating
- Low DC Resistance

For quantities greater than listed, call for quote.

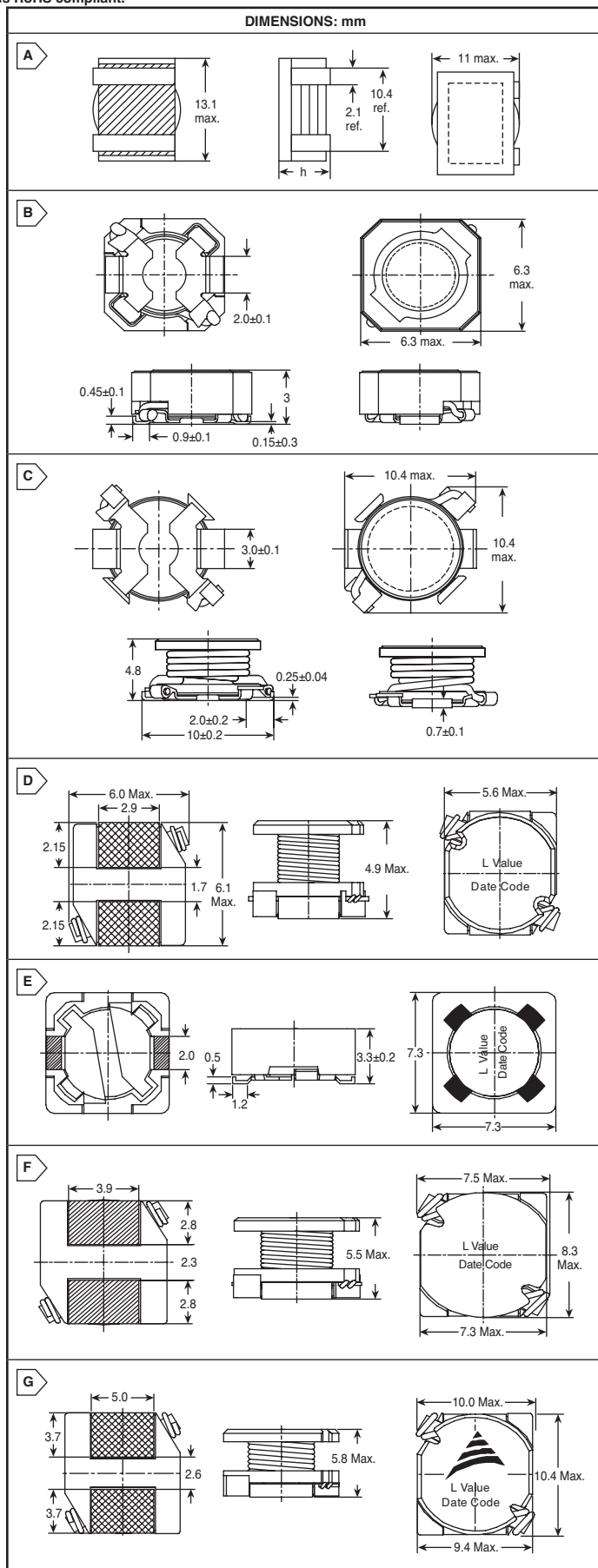
MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82473A1103K	B82473A1103K	F	10	2.3				
871-B82473A1104K	B82473A1104K	F	100	0.72				
871-B82473A1224K	B82473A1224K	F	220	0.49				
871-B82473A1474K	B82473A1474K	F	470	0.34				

SMD SERIES B82475

- Enamel Copper Wire Winding Soldered to Terminals
- Ferrite Core
- Plastic Terminal Carrier
- Size: 10mm by 10mm
- High Current Rating
- Low DC Resistance

For quantities greater than listed, call for quote.

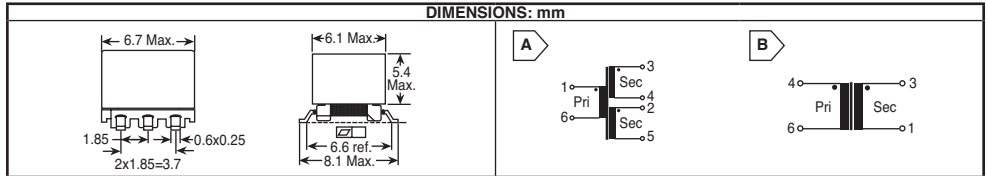
MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82475A1104K	B82475A1104K	G	100	0.97				
871-B82475A1474K	B82475A1474K	G	470	0.42				



SMT GATE DRIVE TRANSFORMERS

Features:

- Low leakage inductance
- Low inter-winding capacitance
- High SRF value
- High isolation between primary and secondary side
- Footprint: 8.1x6.7mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Turns Ratio pri-sec	R _{DC-pri} Ω	R _{DC-sec} Ω	f _{res} MHz	Price Each			
								1	50	100	5000
871-B82804A304A225	B82804A304A225	A	300	2.5:1:1	1.8	0.3	2.6				
871-B82804A324A220	B82804A324A220	A	317	2:1:1	1.6	0.45	2				
871-B82804A264A210	B82804A264A210	A	264	1:1:1	1.5	1.5	2.9				
871-B82804A354A110	B82804A354A110	B	350	1:1	1	0.65	1.2				
871-B82804A694A115	B82804A694A115	B	690	1.5:1	1.65	0.86	0.7				
871-B82804A474A125	B82804A474A125	B	473	2.5:1	1.5	0.3	1.7				

POWER INDUCTORS

SMD Series B82789N

- Current Compensated Double Choke with Ferrite Core
 - BiFilar Winding
 - Lead Free Tinned Terminals
- Applications:**
- Automotive
 - Industrial
 - Telecommunications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82789C113N2	B82789C113N2	A	11	300				
871-B82789C513N2	B82789C513N2	A	51	250				

Chokes Series B82731T

- Current Compensated Double Choke with Closed E Core Ferrite Core
 - 2 Section Winding
 - High Resonant Frequency
- Applications:**
- High Pulse Strength
 - Lead spacing 10x10mm
 - Lead free Pin Leads

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82731T2102A20	B82731T2102A20	B	10	1				
871-B82731T2132A20	B82731T2132A20	B	6.8	1.3				
871-B82731T2801A20	B82731T2801A20	B	15	0.8				

Chokes Series B82732F

- Current Compensated Double Choke with Closed Rectangular Ferrite Core
 - 2 Section Winding
 - 14mm Height
 - High Pulse Handling
- Applications:**
- Industry best Inductance/rated current ratio
 - Excellent differential mode suppression

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82732F2142A1	B82732F2142A1	C	15	1.4				
871-B82732R2142B30	B82732R2142B30	C	10	1.4				
871-B82732R2172B30	B82732R2172B30	C	6.8	1.7				
871-B82732R2222B30	B82732R2222B30	C	3.3	2.2				

Series B82734

- Current Compensated Double Choke with Closed Rectangular Ferrite Core
 - 2 Section Winding
 - Low Leakage
- Applications:**
- High Pulse Strength
 - High Resonant Frequency

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82734R2172B30	B82734R2172B30	D	27	1.7				
871-B82734R2262B30	B82734R2262B30	D	10	2.6				
871-B82734R2462B30	B82734R2462B30	D	3.3	4.6				

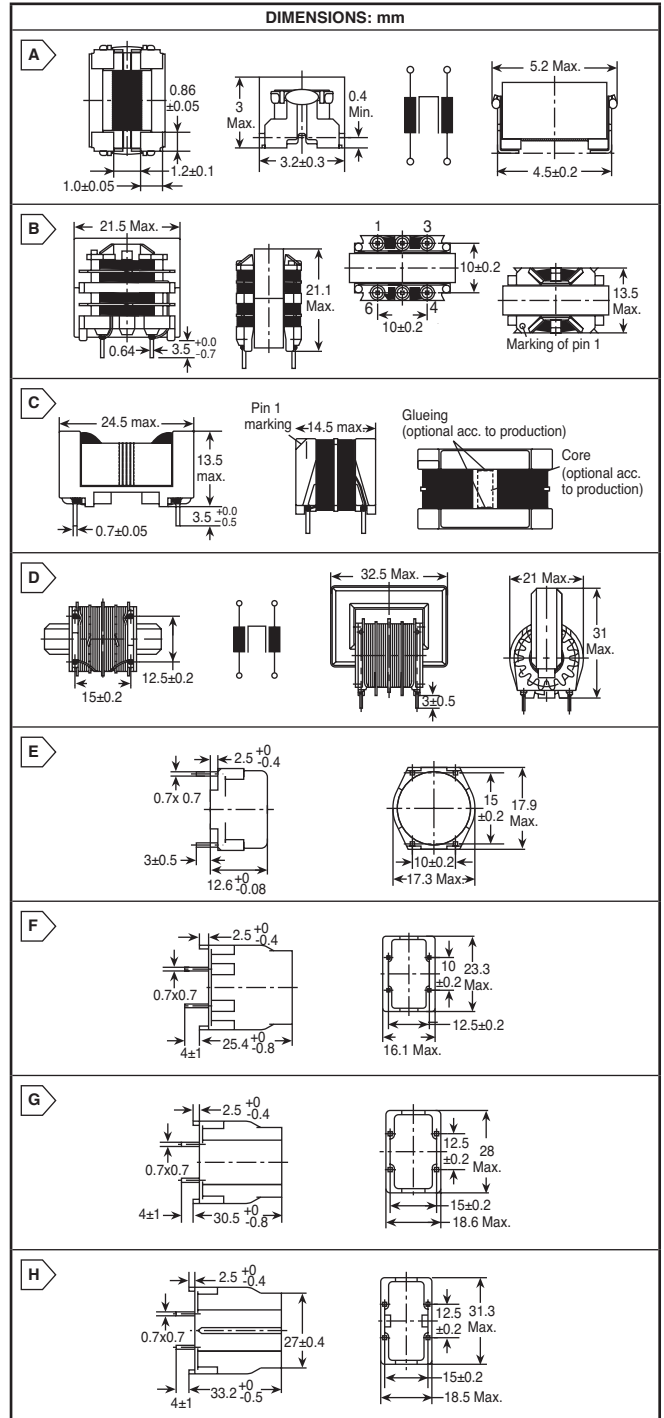
RING CORE DOUBLE CHOKES

Series B82721

- Current Compensated Ring Core Double Choke with Ferrite Core
 - Polycarbonate Case
 - Polyurethane Potting
 - Sector Winding
- Applications:**
- Lamp ballasts
 - Switch mode power supplies
 - Washing machines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82721A2152N1	B82721A2152N1	E	3.3	1.5				
871-B82721A2202N1	B82721A2202N1	E	1	2				
871-B82721A2362N1	B82721A2362N1	E	0.4	3.6				
871-B82721A2401N20	B82721A2401N20	E	39	0.4				
871-B82721A2501N1	B82721A2501N1	E	18	0.5				
871-B82721A2701N20	B82721A2701N20	E	10	0.7				
871-B82722J2102N1	B82722J2102N1	F	10	1				
871-B82722J2202N1	B82722J2202N1	F	2.2	2				
871-B82722J2301N1	B82722J2301N1	F	47	0.3				
871-B82722J2302N1	B82722J2302N1	F	1.2	3				
871-B82722J2501N1	B82722J2501N1	F	27	0.5				
871-B82723J2102N1	B82723J2102N1	G	27	1				
871-B82723J2202N1	B82723J2202N1	G	5.6	2				
871-B82723J2402N1	B82723J2402N1	G	2.7	4				
871-B82723J2501N1	B82723J2501N1	G	56	0.5				
871-B82724J2501N1	B82724J2501N1	H	82	0.5				
871-B82724J2102N1	B82724J2102N1	H	33	1				
871-B82724J2142N1	B82724J2142N1	H	27	1.4				
871-B82724J2202N1	B82724J2202N1	H	6.8	2				
871-B82724J2402N1	B82724J2402N1	H	3.3	4				



EPCOS SIMID Series SMD Inductors

RoHS Compliant This product is RoHS compliant.



SIMID 0805-F SERIES

Features:

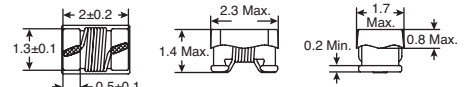
- Close inductance tolerance
- High resonance frequency
- Suitable for reflow (IR and vapor phase) and wave soldering

Construction:

- Cubic coil with ceramic or ferrite core
- Epoxy moulded flat top for vacuum pickup
- Wire welded to terminations

Applications:

- Antenna amplifiers
- DECT systems
- Mobile phones
- Keyless entry
- GPS



DIMENSIONS: mm

MOUSER STOCK NO.	Epcos Part No.	Case Size	Core Material	Value (nH)	Q (Min)	F _L :F _Q (MHz)	I _R (mA)	R (Ω Max)	F _{RES} (MHz Min)	Price Each				Reel Qty.	Price Per Piece
										1	50	100	500		
871-B82498F3100J	B82498F3100J	0805	Ceramic	10	50	250	700	0.09	5000					3000	
871-B82498F3220J	B82498F3220J	0805	Ceramic	22	60	250	700	0.08	2500					3000	
871-B82498F3680J	B82498F3680J	0805	Ceramic	68	60	200	500	0.18	1600					3000	
871-B82498F3101J	B82498F3101J	0805	Ceramic	100	55	150	450	0.28	1350					3000	
871-B82498F3221J	B82498F3221J	0805	Ceramic	220	45	100	320	0.7	950					3000	
871-B82498F3471J	B82498F3471J	0805	Ceramic	470	30	50	190	1.9	650					3000	

SIMID 1210-H SERIES

Features:

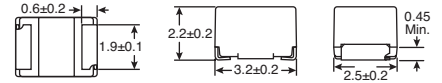
- Very high current handling capability
- Qualified acc. AEC-Q200
- Suitable for reflow soldering acc. JEDEC J-STD 020C

Construction:

- Ferrite drum core
- Laser-welded winding
- Flame-retardant encapsulation

Applications:

- Filtering of supply voltages, coupling, decoupling
- DC/DC converters, switch mode power supplies
- Automotive electronics
- Telecommunications



DIMENSIONS: mm

MOUSER STOCK NO.	Epcos Part No.	Case Size	Core Material	Value (nH)	Q (Min)	F _L :F _Q (MHz)	I _R (mA)	R (Ω Max)	F _{RES} (MHz Min)	Price Each				Reel Qty.	Price Per Piece
										1	50	100	500		
871-B82422H1102K	B82422H1102K	1210	Ferrite	1	8	7.96	1150	0.1	150					2000	
871-B82422H1222K	B82422H1222K	1210	Ferrite	2.2	8	7.96	800	0.16	90					2000	
871-B82422H1472K	B82422H1472K	1210	Ferrite	4.7	8	7.96	700	0.25	46					2000	
871-B82422H1103K	B82422H1103K	1210	Ferrite	10	12	2.52	500	0.46	30					2000	
871-B82422H1223K	B82422H1223K	1210	Ferrite	22	12	2.52	330	1.0	21					2000	
871-B82422H1473K	B82422H1473K	1210	Ferrite	47	15	2.52	230	2.1	12					2000	
871-B82422H1104K	B82422H1104K	1210	Ferrite	100	20	0.796	150	4.8	8					2000	
871-B82422H1224K	B82422H1224K	1210	Ferrite	220	20	0.796	100	10.9	5.5					2000	
871-B82422H1474K	B82422H1474K	1210	Ferrite	470	20	0.796	76	20.0	3.5					2000	

SIMID 1210-T SERIES

Features:

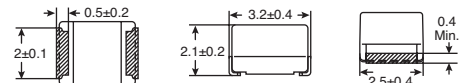
- High Q factor and L value
- High resonance frequency
- Suitable for reflow (IR and vapor phase) and wave soldering

Construction:

- Ceramic or ferrite core
- Laser-welded winding
- Flame-retardant encapsulation

Applications:

- Filtering of supply voltages, coupling, decoupling
- Antenna systems
- Automotive electronics
- Telecommunications



DIMENSIONS: mm

MOUSER STOCK NO.	Epcos Part No.	Case Size	Core Material	Value (nH)	Q (Min)	F _L :F _Q (MHz)	I _R (mA)	R (Ω Max)	F _{RES} (MHz Min)	Price Each				Reel Qty.	Price Per Piece
										1	50	100	500		
871-B82422T3101K	B82422T3101K	1210	Ceramic	0.1	28	100	450	0.31	900					2000	
871-B82422T1221K	B82422T1221K	1210	Ferrite	0.22	30	25.2	450	0.2	500					2000	
871-B82422T1471K	B82422T1471K	1210	Ferrite	0.47	30	25.2	450	0.3	400					2000	
871-B82422T1102K	B82422T1102K	1210	Ferrite	1	30	7.96	400	0.6	300					2000	
871-B82422T1222K	B82422T1222K	1210	Ferrite	2.2	30	7.96	320	0.8	100					2000	
871-B82422T1472K	B82422T1472K	1210	Ferrite	4.7	30	7.96	220	1.5	50					2000	
871-B82422T1103K	B82422T1103K	1210	Ferrite	10	27	2.52	150	2.1	30					2000	
871-B82422T1333K	B82422T1333K	1210	Ferrite	33	27	2.52	70	5.6	17					2000	
871-B82422T1473K	B82422T1473K	1210	Ferrite	47	27	2.52	60	7	15					2000	
871-B82422T1104K	B82422T1104K	1210	Ferrite	100	20	0.796	60	11	8					2000	
871-B82422T1224K	B82422T1224K	1210	Ferrite	220	20	0.796	45	22	6					2000	

SIMID 1812-T SERIES

Features:

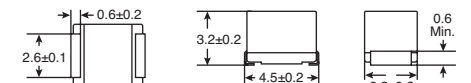
- High current handling capability
- Same measuring frequency for L and Q
- Suitable for reflow (IR and vapor phase) and wave soldering

Construction:

- Upright ferrite drum core
- Laser-welded winding
- Flame-retardant encapsulation

Applications:

- Filtering of supply voltages, coupling, decoupling
- DC/DC converters
- Automotive electronics
- Telecommunications



DIMENSIONS: mm

MOUSER STOCK NO.	Epcos Part No.	Case Size	Core Material	Value (nH)	Q (Min)	F _L :F _Q (MHz)	I _R (mA)	R (Ω Max)	F _{RES} (MHz Min)	Price Each				Reel Qty.	Price Per Piece
										1	50	100	500		
871-B82432T1102K	B82432T1102K	1812	Ferrite	1	10	7.96	1300	0.08	110					2500	
871-B82432T1222K	B82432T1222K	1812	Ferrite	2.2	10	7.96	1000	0.15	60					2500	
871-B82432T1103K	B82432T1103K	1812	Ferrite	10	10	2.52	650	0.35	25					2500	
871-B82432T1223K	B82432T1223K	1812	Ferrite	22	10	2.52	450	0.7	15					2500	
871-B82432T1473K	B82432T1473K	1812	Ferrite	47	10	2.52	350	1.35	11					2500	
871-B82432T1104K	B82432T1104K	1812	Ferrite	100	20	0.796	200	3.5	6.5					2500	
871-B82432T1224K	B82432T1224K	1812	Ferrite	220	20	0.796	130	7.5	4.5					2500	
871-B82432T1105K	B82432T1105K	1812	Ferrite	1000	20	0.252	70	30	2.3					2500	

SIMID 2220-A SERIES

Features:

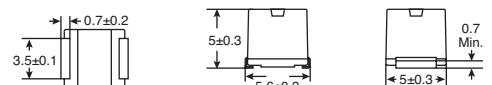
- High current handling capability
- High inductance ratings
- Suitable for reflow (IR and vapor phase) and wave soldering

Construction:

- Upright ferrite drum core
- Laser-welded winding
- Flame-retardant encapsulation

Applications:

- Filtering of supply voltages, coupling, decoupling
- DC/DC converters
- Automotive electronics
- Telecommunications



DIMENSIONS: mm

MOUSER STOCK NO.	Epcos Part No.	Case Size	Core Material	Value (nH)	Q (Min)	F _L :F _Q (MHz)	I _R (mA)	R (Ω Max)	F _{RES} (MHz Min)	Price Each				Reel Qty.	Price Per Piece
										1	50	100	500		
871-B82442A1102K	B82442A1102K	2220	Ferrite	1	10	7.96	1800	0.024	95					1500	
871-B82442A1472K	B82442A1472K	2220	Ferrite	4.7	10	7.96	950	0.088	29					1500	
871-B82442A1103K	B82442A1103K	2220	Ferrite	10	10	2.52	690	0.168	19					1500	
871-B82442A1223K	B82442A1223K	2220	Ferrite	22	10	2.52	480	0.35	13					1500	
871-B82442A1473K	B82442A1473K	2220	Ferrite	47	10	2.52	340	0.68	8.5					1500	
871-B82442A1104K	B82442A1104K	2220	Ferrite	100	20	0.796	250	1.28	6					1500	
871-B82442A1224K	B82442A1224K	2220	Ferrite	220	20	0.796	170	2.72	3.9					1500	
871-B82442A1105K	B82442A1105K	2220	Ferrite	1000	30	0.252	85	12	1.8					1500	

EPCOS Common Mode Inductors



NEW AT Mouser

Inductors

Epcos

NEW AT Mouser

NEW AT Mouser

EFD SERIES FLYBACK TRANSFORMERS

RoHS Compliant This product is RoHS compliant.

Features:

- Low profile SMT package with high through-out power capability
- Industry standard footprints
- Compliant with JEDEC J-STD 020
- Voltage rating: 36V to 60V
- Operating temperature range: -40°C to +125°C

Applications:

- Insulated converter for DC/DC applications (up to 55W)
- Power over Ethernet (PoE/12W and PoE+/30W)
- Powered devices (PD) and power sourcing equipment (PSD)

		DIMENSIONS: in. (mm)		
		Type EFD 15	Type EFD 20	Type EFD 25
	<p>Recommended PCB Layout (Top View)</p>	<p>Recommended PCB Layout (Top View)</p>	<p>Recommended PCB Layout (Top View)</p>	
	<p>Pinning</p>			
		EFD 15/EFD 20		EFD 25

B82802A Type

MOUSER STOCK NO.	Epcos Part No.	Core Shape EFD	Pinning	L (μH)	Lstray (μH)	V out1 (V/A)	V out2 (V/A)	V out3 (V/A)	Power (set) W	Price Each		
										1	50	100
871-B82802A12A215	B82802A12A215	15	A	100	3.0	5/1.2	12/0.5	-	12			
871-B82802A12A315	B82802A12A315	15	B	100	3.0	3.3/1.2	5/0.8	12/0.33	12			
871-B82802A30A220	B82802A30A220	20	A	40	1.5	5/3	12/1.25	-	30			
871-B82802A30A320	B82802A30A320	20	B	40	1.8	3.3/3	5/2	12/0.83	30			
871-B82802A55A225	B82802A55A225	25	A	22	1.5	5/5.5	12/2.3	-	55			
871-B82802A55A325	B82802A55A325	25	B	22	1.2	3.3/5.5	5/3.7	12/1.5	55			

SMT CURRENT SENSE TRANSFORMERS, EE12.6

Features:

- Very low DC resistance
- Different turns ratios
- Small package
- Operating temperature range: -40°C to +130°C

Applications:

- Switching power supplies
- Feedback control
- Overload sensing
- Load drop/shut down detection

		DIMENSIONS: in. (mm)			
	<p>Circuit and Pinning</p>				

B82801C Type

MOUSER STOCK NO.	Epcos Part No.	Lmin (mH)	Turns ratio Np : Ns	DC resistance Rmax (mΩ)		Price Each		
				primary	secondary	1	50	100
871-B82801C145A50	B82801C145A50	1.4	1 : 50	0.28	400			
871-B82801C565A100	B82801C565A100	5.6	1 : 100	0.28	1000			
871-B82801C1265A150	B82801C1265A150	12.6	1 : 150	0.28	2200			

FASTRON Axial RF Inductors

Fine Inductors
Fastron

EPOXY COATED RF INDUCTORS

These choke coils are UL recognized and feature an inductance of 0.15μH to 100,000μH, capable of handling currents from 55mA to 1.35 amps. They are more economical than molded chokes and require no more board space than a 1/2 watt resistor.



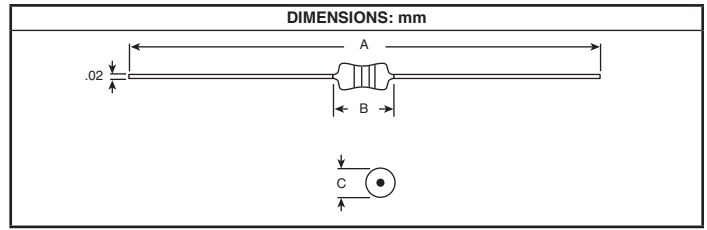
This product is RoHS compliant.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Price Each			
	1	50	100	500
434-MICC/N-Value-01				
434-SMCCN-Value-01				
434-VHBCN-Value-01				

- EIA color coded
- Operating temperature: -55°C to +125°C
- Dielectric Insulation strength: 2.0KV



MICC/N Series

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Tol %	Q Min.	f ₀ (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (A)	Dimensions: mm		
									A	B	C
434-MICC/N-R15K-01	MICC/N-R15K-01	0.15	10	35	25.2	500	0.13	1.02	63	7	3.3
434-MICC/N-R22K-01	MICC/N-R22K-01	0.22	10	35	25.2	420	0.16	0.99	63	7	3.3
434-MICC/N-R27K-01	MICC/N-R27K-01	0.27	10	35	25.2	380	0.17	0.91	63	7	3.3
434-MICC/N-R39K-01	MICC/N-R39K-01	0.39	10	35	25.2	300	0.22	0.79	63	7	3.3
434-MICC/N-R47K-01	MICC/N-R47K-01	0.47	10	35	25.2	280	0.25	0.75	63	7	3.3
434-MICC/N-R68K-01	MICC/N-R68K-01	0.68	10	35	25.2	240	0.48	0.53	63	7	3.3
434-MICC/N-R82K-01	MICC/N-R82K-01	0.82	10	35	25.2	230	0.55	0.50	63	7	3.3
434-MICC/N-1R0J-01	MICC/N-1R0J-01	1	5	35	25.2	180	0.25	0.63	63	7	3.3
434-MICC/N-1R5J-01	MICC/N-1R5J-01	1.5	5	40	7.96	150	0.3	0.57	63	7	3.3
434-MICC/N-1R8J-01	MICC/N-1R8J-01	1.8	5	40	7.96	130	0.3	0.54	63	7	3.3
434-MICC/N-2R2J-01	MICC/N-2R2J-01	2.2	5	40	7.96	120	0.35	0.52	63	7	3.3
434-MICC/N-2R7J-01	MICC/N-2R7J-01	2.7	5	40	7.96	110	0.4	0.48	63	7	3.3
434-MICC/N-3R3J-01	MICC/N-3R3J-01	3.3	5	40	7.96	110	0.5	0.42	63	7	3.3
434-MICC/N-3R9J-01	MICC/N-3R9J-01	3.9	5	40	7.96	100	0.55	0.40	63	7	3.3
434-MICC/N-4R7J-01	MICC/N-4R7J-01	4.7	5	40	7.96	90	0.65	0.38	63	7	3.3
434-MICC/N-6R8J-01	MICC/N-6R8J-01	6.8	5	45	7.96	70	1.45	0.25	63	7	3.3
434-MICC/N-8R2J-01	MICC/N-8R2J-01	8.2	5	50	7.96	65	1.6	0.24	63	7	3.3
434-MICC/N-100J-01	MICC/N-100J-01	10	5	50	7.96	60	1.7	0.23	63	7	3.3
434-MICC/N-120J-01	MICC/N-120J-01	12	5	50	2.52	50	2.4	0.19	63	7	3.3
434-MICC/N-150J-01	MICC/N-150J-01	15	5	50	2.52	45	2.7	0.185	63	7	3.3
434-MICC/N-220J-01	MICC/N-220J-01	22	5	60	2.52	12	0.9	0.335	63	7	3
434-MICC/N-330J-01	MICC/N-330J-01	33	5	60	2.52	10	1.12	0.30	63	7	3
434-MICC/N-390J-01	MICC/N-390J-01	39	5	60	2.52	8.5	1.21	0.285	63	7	3
434-MICC/N-470J-01	MICC/N-470J-01	47	5	60	2.52	7.7	2.4	0.20	63	7	3
434-MICC/N-820J-01	MICC/N-820J-01	82	5	60	2.52	5.5	3.2	0.175	63	7	3
434-MICC/N-101J-01	MICC/N-101J-01	100	5	60	2.52	5.3	3.5	0.17	63	7	3
434-MICC/N-151J-01	MICC/N-151J-01	150	5	60	0.79	4.6	4.3	0.15	63	7	3
434-MICC/N-221J-01	MICC/N-221J-01	220	5	60	0.79	3.8	5.8	0.13	63	7	3
434-MICC/N-331J-01	MICC/N-331J-01	330	5	60	0.79	3	8.7	0.105	63	7	3
434-MICC/N-471J-01	MICC/N-471J-01	470	5	60	0.79	2.3	12	0.09	63	7	3
434-MICC/N-561J-01	MICC/N-561J-01	560	5	60	0.79	2.2	16.5	0.075	63	7	3
434-MICC/N-681J-01	MICC/N-681J-01	680	5	60	0.79	2	22	0.065	63	7	3
434-MICC/N-102J-01	MICC/N-102J-01	1000	5	60	0.79	1.5	33	0.55	63	7	3

SMCC/N Series (Cont.)

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Tol %	Q Min.	f ₀ (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (A)	Dimensions: mm		
									A	B	C
434-SMCCN-2R2K-01	SMCCN-2R2K-01	2.20	10	55	7.96	140	0.25	1000	64	9.5	4
434-SMCCN-3R3K-01	SMCCN-3R3K-01	3.30	10	60	7.96	115	0.29	900	64	9.5	4
434-SMCCN-4R7K-01	SMCCN-4R7K-01	4.70	10	60	7.96	95	0.34	820	64	9.5	4
434-SMCCN-100J-01	SMCCN-100J-01	10	5	65	7.96	35	0.49	680	64	9.5	4
434-SMCCN-120J-01	SMCCN-120J-01	12	5	50	2.52	30	0.55	650	64	9.5	4
434-SMCCN-150J-01	SMCCN-150J-01	15	5	50	2.52	20	0.60	610	64	9.5	4
434-SMCCN-180J-01	SMCCN-180J-01	18	5	50	2.52	17	0.67	580	64	9.5	4
434-SMCCN-220J-01	SMCCN-220J-01	22	5	50	2.52	13	0.74	560	64	9.5	4
434-SMCCN-330J-01	SMCCN-330J-01	33	5	55	2.52	9	0.92	500	64	9.5	4
434-SMCCN-470J-01	SMCCN-470J-01	47	5	40	2.52	7.5	1.1	450	64	9.5	4
434-SMCCN-680J-01	SMCCN-680J-01	68	5	40	2.52	6.5	1.35	410	64	9.5	4
434-SMCCN-101J-01	SMCCN-101J-01	100	5	30	2.52	5	1.7	370	64	9.5	4
434-SMCCN-151J-01	SMCCN-151J-01	150	5	70	0.79	4.2	2.8	280	64	9.5	4
434-SMCCN-221J-01	SMCCN-221J-01	220	5	70	0.79	3.7	3.3	250	64	9.5	4
434-SMCCN-331J-01	SMCCN-331J-01	330	5	70	0.79	2.7	6.4	190	64	9.5	4
434-SMCCN-471J-01	SMCCN-471J-01	470	5	70	0.79	2.2	7.9	170	64	9.5	4
434-SMCCN-681J-01	SMCCN-681J-01	680	5	55	0.79	1.9	10	150	64	9.5	4
434-SMCCN-102J-01	SMCCN-102J-01	1000	5	50	0.79	1.6	14	130	64	9.5	4
434-SMCCN-222J-01	SMCCN-222J-01	2200	5	40	0.25	1.1	34.7	80	64	9.5	4

VHBCN Series

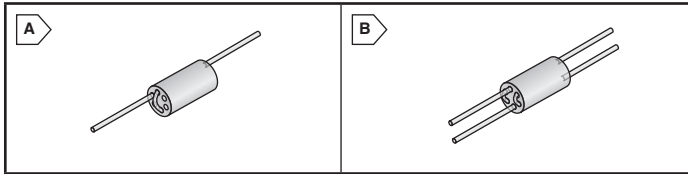


MOUSER STOCK NO.	Fastron Part No.	L (μH)	Tol %	Q Min.	f ₀ (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (A)	Dimensions: mm		
									A	B	C
434-VHBCN-331J-01	VHBCN-331J-01	330	5	25	796	1.4	1.4	630	63	16	6
434-VHBCN-391J-01	VHBCN-391J-01	390	5	25	796	1.3	1.6	590	63	16	6
434-VHBCN-471J-01	VHBCN-471J-01	470	5	20	796	1.2	1.8	550	63	16	6
434-VHBCN-681J-01	VHBCN-681J-01	680	5	15	796	0.92	2.6	500	63	16	6
434-VHBCN-102J-01	VHBCN-102J-01	1000	5	70	252	0.72	4.2	400	63	16	6
434-VHBCN-122J-01	VHBCN-122J-01	1200	5	70	252	0.68	5.5	350	63	16	6
434-VHBCN-182J-01	VHBCN-182J-01	1800	5	70	252	0.65	6	300	63	16	6
434-VHBCN-222J-01	VHBCN-222J-01	2200	5	65	252	0.5	10	250	63	16	6
434-VHBCN-332J-01	VHBCN-332J-01	3300	5	50	252	0.42	12	220	63	16	6
434-VHBCN-472J-01	VHBCN-472J-01	4700	5	30	252	0.31	18	200	63	16	6
434-VHBCN-153J-01	VHBCN-153J-01	15000	5	55	79.6	0.17	63	100	63	16	6
434-VHBCN-183J-01	VHBCN-183J-01	18000	5	50	79.6	0.16	90	86	63	16	6
434-VHBCN-273J-01	VHBCN-273J-01	27000	5	50	79.6	0.14	130	75	63	16	6
434-VHBCN-333J-01	VHBCN-333J-01	33000	5	50	79.6	0.14	130	67	63	16	6
434-VHBCN-473J-01	VHBCN-473J-01	47000	5	30	25.2	0.09	220	53	63	16	6
434-VHBCN-683J-01	VHBCN-683J-01	68000	5	25	25.2	0.08	270	49	63	16	6
434-VHBCN-104J-01	VHBCN-104J-01	100000	5	20	25.2	0.06	490	34	63	16	6

SMCC/N Series

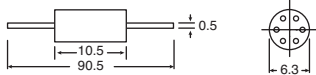


MOUSER STOCK NO.	Fastron Part No.	L (μH)	Tol %	Q Min.	f ₀ (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (A)	Dimensions: mm		
									A	B	C
434-SMCCN-R10M-01	SMCCN-R10M-01	0.10	20	45	25.2	380	0.08	1600	64	9.5	4
434-SMCCN-R22M-01	SMCCN-R22M-01	0.22	20	45	25.2	300	0.1	1450	64	9.5	4
434-SMCCN-R47M-01	SMCCN-R47M-01	0.47	20	45	25.2	220	0.14	1280	64	9.5	4



WIDEBAND CHOKES

- Specifications:
- 6 hole ferrite core
 - 1.5" 24AWG leads



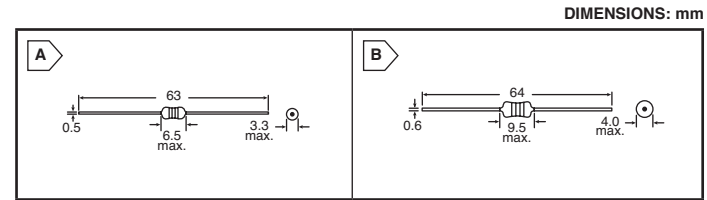
DIMENSIONS: mm

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fastron Part No.	Fig.	Winding	Impedance		Price Each			
				Z (Ω)	fL (MHz)	1	100	500	1000
434-6H-351	06H-351	A	1.5	300	120				
434-6H-451	06H-451	A	1.5	350	250				
434-6H-751	06H-751	A	2.5	600	50				
434-6H-851	06H-851	A	2.5	700	180				
434-6H-901	06H-901	B	2x1.5	700	50				
434-6H-102	06H-102	B	2x1.5	800	110				

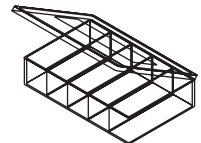
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EPOXY CONFORMAL COATED CHOKE KITS

- Specifications:
- Solderability: according to MIL-STD-202F method 208D
 - Operating temperature: -55°C to 125°C, humidity category F
 - IEC climatic category: 55/125/56; DIN climatic category, FK7
 - Product assurance: according to MIL-STD-790
 - EIA color coded

RoHS Compliant



MOUSER STOCK NO.	Fig.	Range of Values	Pieces in Kit	List of Values (μH)	Price Each
370-SMCCN	B	10μH to 1000μH	100	10 each: 10, 12, 15, 18, 100, 220, 330, 470, 680, and 1000μH	

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FASTRON Chip Inductors



RoHS Compliant This product is RoHS compliant.

Fine Inductors

WIRE WOUND CHIP INDUCTORS

FASTRON wire wound chip inductors are designed particularly for RF applications that require optimal Q on high frequency circuits. Its gold flash pad metallization provides better solderability for a higher yield in production. Their casing protects the winding and allows surface mount assembly. It comes in reel packing. Inductance values between those listed in this catalog are mostly available on request. Ferrite core versions available for high inductance in a small case size.

Applications:

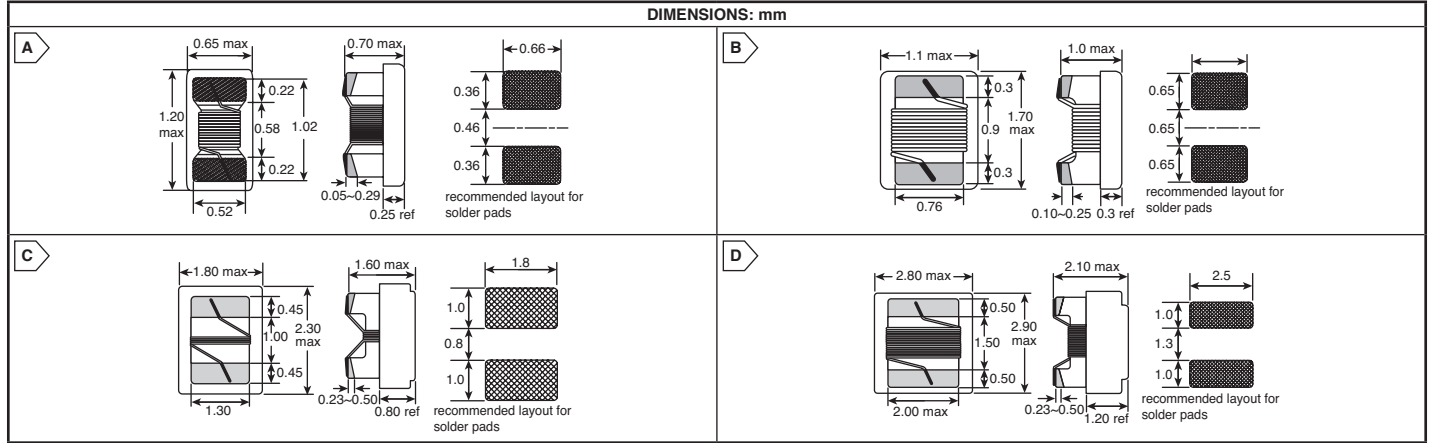
- Used in LC resonant circuits such as oscillator and signal generators, impedance matching, circuit isolation, RF filters, etc.
- Mobile Telecommunication: GSM, CDMA, TCDMA, cordless phones, 2 way radio
- Automotive Subsystems: TPMS, Keyless Entry, Anti-Theft, GPS
- Wireless Communication: LAN, WIFI, WIMAX, RFID, Bluetooth, ZigBee

Specifications:

- Operating Temp: -40°C to +125°C
- Ceramic core type
- Tolerance: 5%
- Gold plated terminals



RoHS Compliant



MOUSER STOCK NO.	Fastron Part No.	Fig.	Inductance (nH)	Q Min.	Test Freq. (MHz)	SRF MHz (min)	DCR (Ω) (Max.)	Rated DC Current (mA)	Price Each				Reel Quantity	Price Per Piece
									1	50	100	500		
0402AS Series														
434-0402AS-2N7J-08	0402AS-2N7J-08	A	2.7	16	250	6000	0.12	640					2000	
434-0402AS-4N3J-08	0402AS-4N3J-08	A	4.3	18	250	6000	0.091	700					2000	
434-0402AS-5N1J-08	0402AS-5N1J-08	A	5.1	23	250	4800	0.083	800					2000	
434-0402AS-5N6J-08	0402AS-5N6J-08	A	5.6	22	250	4800	0.11	760					2000	
434-0402AS-6N2J-08	0402AS-6N2J-08	A	6.2	20	250	4800	0.11	760					2000	
434-0402AS-6N8J-08	0402AS-6N8J-08	A	6.8	21	250	4800	0.1	680					2000	
434-0402AS-8N2J-08	0402AS-8N2J-08	A	8.2	24	250	4400	0.1	680					2000	
434-0402AS-010J-08	0402AS-010J-08	A	10	21	250	3900	0.2	480					2000	
434-0402AS-012J-08	0402AS-012J-08	A	12	24	250	3600	0.17	640					2000	
434-0402AS-015J-08	0402AS-015J-08	A	15	24	250	3280	0.17	560					2000	
434-0402AS-016J-08	0402AS-016J-08	A	16	24	250	3100	0.22	560					2000	
434-0402AS-018J-08	0402AS-018J-08	A	18	25	250	3100	0.23	420					2000	
434-0402AS-020J-08	0402AS-020J-08	A	20	25	250	3000	0.25	420					2000	
434-0402AS-022J-08	0402AS-022J-08	A	22	25	250	2800	0.3	400					2000	
434-0402AS-027J-08	0402AS-027J-08	A	27	24	250	2480	0.3	400					2000	
434-0402AS-033J-08	0402AS-033J-08	A	33	24	250	2350	0.3	320					2000	
434-0402AS-039J-08	0402AS-039J-08	A	39	25	250	2100	0.55	200					2000	
434-0402AS-047J-08	0402AS-047J-08	A	47	25	250	2100	0.83	150					2000	
434-0402AS-056J-08	0402AS-056J-08	A	56	25	250	1760	0.97	100					2000	
434-0402AS-068J-08	0402AS-068J-08	A	68	25	250	1620	0.97	100					2000	
434-0402AS-082J-08	0402AS-082J-08	A	82	18	100	1070	1.2	80					2000	
434-0402AS-R12J-08	0402AS-R12J-08	A	120	12	100	580	1.3	75					2000	
0603AS Series														
434-0603AS-2N2J-01	0603AS-2N2J-01	B	2.2	10	250	5900	.17	170					4000	
434-0603AS-3N3J-01	0603AS-3N3J-01	B	3.3	22	250	6000	.10	700					4000	
434-0603AS-4N7J-01	0603AS-4N7J-01	B	4.7	25	250	6000	.07	700					4000	
434-0603AS-010J-01	0603AS-010J-01	B	10	31	250	4800	.13	700					4000	
434-0603AS-012J-01	0603AS-012J-01	B	12	35	250	4000	.13	700					4000	
434-0603AS-027J-01	0603AS-027J-01	B	27	40	250	2800	.22	600					4000	
434-0603AS-033J-01	0603AS-033J-01	B	33	40	250	2300	.22	600					4000	
434-0603AS-068J-01	0603AS-068J-01	B	68	37	200	1700	.34	600					4000	
434-0603AS-R10J-01	0603AS-R10J-01	B	100	34	150	1400	.58	400					4000	
434-0603AS-R12J-01	0603AS-R12J-01	B	120	34	150	1300	.65	300					4000	
434-0603AS-R18J-01	0603AS-R18J-01	B	180	32	100	1100	1.20	200					4000	
434-0603AS-R22J-01	0603AS-R22J-01	B	220	30	100	1000	1.60	150					4000	
0805AS Series														
434-0805AS-3N3J-01	0805AS-3N3J-01	C	3.3	50	250	6000	.08	600					2500	
434-0805AS-6N8J-01	0805AS-6N8J-01	C	6.8	50	250	5500	.11	600					2500	
434-0805AS-010J-01	0805AS-010J-01	C	10	43	250	4300	.13	600					2500	
434-0805AS-015J-01	0805AS-015J-01	C	15	50	250	3400	.17	600					2500	
434-0805AS-033J-01	0805AS-033J-01	C	33	60	250	2050	.27	500					2500	
434-0805AS-056J-01	0805AS-056J-01	C	56	64	200	1550	.34	500					2500	
434-0805AS-068J-01	0805AS-068J-01	C	68	65	200	1450	.38	400					2500	
434-0805AS-082J-01	0805AS-082J-01	C	82	67	150	1300	.42	400					2500	
434-0805AS-R10J-01	0805AS-R10J-01	C	100	65	150	1200	.46	400					2500	
434-0805AS-R22J-01	0805AS-R22J-01	C	220	59	100	850	.70	400					2500	
434-0805AS-R33J-01	0805AS-R33J-01	C	330	40	100	790	1.8	260					2500	
434-0805AS-R47J-01	0805AS-R47J-01	C	470	40	100	720	2.5	170					2500	
434-0805AS-R68J-01	0805AS-R68J-01	C	680	37	50	600	4.0	170					2500	
434-0805AS-1R0J-01	0805AS-1R0J-01	C	1000	23	25	215	2.35	180					2500	
1008AS Series														
434-1008AS-010J-01	1008AS-010J-01	D	10	50	50	4100	.08	1000					2000	
434-1008AS-033J-01	1008AS-033J-01	D	33	65	50	1600	.14	1000					2000	
434-1008AS-068J-01	1008AS-068J-01	D	68	67	50	1300	.20	1000					2000	
434-1008AS-082J-01	1008AS-082J-01	D	82	63	50	1000	.22	1000					2000	
434-1008AS-R10J-01	1008AS-R10J-01	D	100	63	25	1000	.56	650					2000	
434-1008AS-R47J-01	1008AS-R47J-01	D	470	54	25	450	1.19	470					2000	
434-1008AS-1R5J-01	1008AS-1R5J-01	D	1500	35	7.9	200	2.3	330					2000	

FASTRON Inductors and Chokes

This product is RoHS compliant.

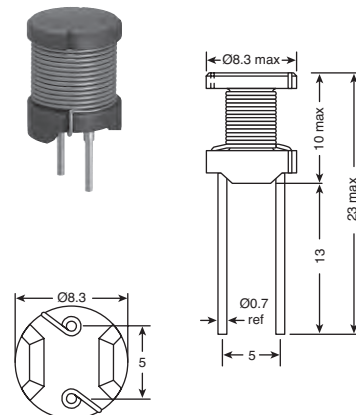
HIGH CURRENT INDUCTORS

- Features:**
- High saturation ferrite core material
 - Operating temperature from -55°C to +125°C (incl. self-comp heating)
 - For currents up to 7.5A

- Applications:**
- DC-DC Converters
 - Switching Power Supply (small and medium VOLT)
 - Signal and EMI Filtering

DIMENSIONS: mm

MOUSER STOCK NO.	Fastron Part No.	Inductance L (μH)	fL (kHz)	Tolerance ± (%)	DCR max. (Ω)	Rated DC Current (A)		Price Each			
						I _N	I _{sat}	1	50	100	500
434-07HCP-1R0M	07HCP-1R0M-50	1	1 @ 0.25V	20	0.06	7.50	10				
434-07HCP-2R2M	07HCP-2R2M-50	2.2	1 @ 0.25V	20	0.01	6	8				
434-07HCP-3R3M	07HCP-3R3M-50	3.3	1 @ 0.25V	20	0.013	5	6.30				
434-07HCP-4R7M	07HCP-4R7M-50	4.7	1 @ 0.25V	20	0.018	4	5.4				
434-07HCP-6R8M	07HCP-6R8M-50	6.8	1 @ 0.25V	20	0.025	3.8	6.5				
434-07HCP-100M	07HCP-100M-50	10	1 @ 0.25V	20	0.04	2.6	5				
434-07HCP-220K	07HCP-220K-50	22	1 @ 0.25V	10	0.055	2.3	3.6				
434-07HCP-330K	07HCP-330K-50	33	1 @ 0.25V	10	0.1	1.5	2.5				
434-07HCP-470K	07HCP-470K-50	47	1 @ 0.25V	10	0.1	1.3	2.5				
434-07HCP-680K	07HCP-680K-50	68	1 @ 0.25V	10	0.14	1.1	2.1				
434-07HCP-820K	07HCP-820K-50	82	1 @ 0.25V	10	0.16	1	1.9				
434-07HCP-101K	07HCP-101K-50	100	1 @ 0.25V	10	0.19	0.9	1.6				
434-07HCP-121K	07HCP-121K-50	120	1 @ 0.25V	10	0.22	0.85	1				
434-07HCP-221K	07HCP-221K-50	220	1 @ 0.25V	10	0.38	0.64	1.2				
434-07HCP-331K	07HCP-331K-50	330	1 @ 0.25V	10	0.7	0.51	0.95				
434-07HCP-391K	07HCP-391K-50	390	1 @ 0.25V	10	0.89	0.5	0.8				
434-07HCP-471K	07HCP-471K-50	470	1 @ 0.25V	10	0.89	0.43	0.8				
434-07HCP-821K	07HCP-821K-50	820	1 @ 0.25V	10	1.56	0.36	0.7				
434-07HCP-102K	07HCP-102K-50	1000	1 @ 0.25V	10	1.84	0.3	0.5				
434-07HCP-152K	07HCP-152K-50	1500	1 @ 0.25V	10	3.3	0.3	0.3				
434-07HCP-182K	07HCP-182K-50	1800	1 @ 0.25V	10	3.3	0.21	0.35				
434-07HCP-222K	07HCP-222K-50	2200	1 @ 0.25V	10	5.3	0.19	0.25				
434-07HCP-272K	07HCP-272K-50	2700	1 @ 0.25V	10	6.8	0.24	0.17				
434-07HCP-402K	07HCP-402K-50	4000	1 @ 0.25V	10	10.3	0.14	0.22				
434-07HCP-103K	07HCP-103K-50	10000	1 @ 0.25V	10	24	0.14	0.17				



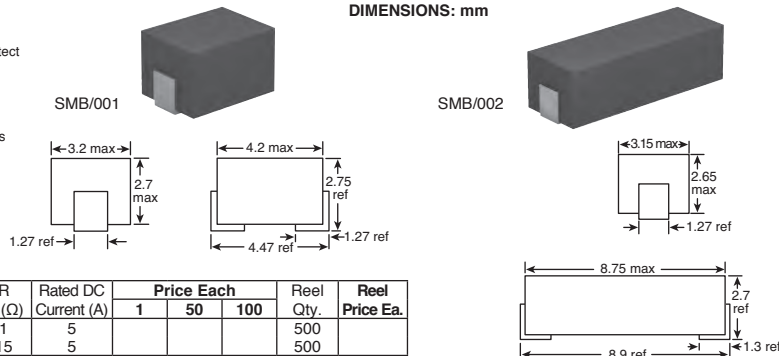
Inductors
Fastron

HIGH CURRENT SMD BEADS

FASTRON wide band chokes are commonly used in burner and signal filtering applications and protect against radio frequency interfaces of components on PCB's.

- Features:**
- Flat wire for high currents
 - Operating temperature from -55°C to +125°C (incl. self-comp heating)
- Applications:**
- To filter external EMI
 - Reduction of radiated interference and TV receivers
 - Voltage supply for high load currents

DIMENSIONS: mm

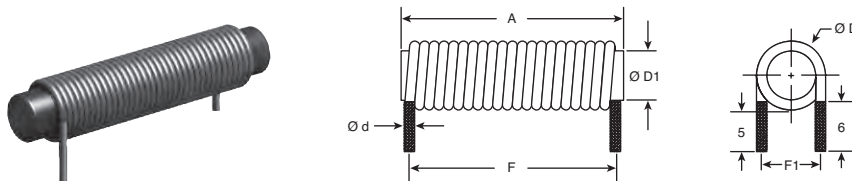


MOUSER STOCK NO.	Fastron Part No.	Impedance Z (Ω Typ.)		DCR max. (Ω)	Rated DC Current (A)	Price Each				Reel Qty.	Reel Price Ea.
		56 @ 100MHz	63 @ 300MHz			1	50	100	500		
434-SMB/001-999X	SMB/001-999X-01	56 @ 100MHz	63 @ 300MHz	0.01	5					500	
434-SMB/002-999X	SMB/002-999X-01	100 @ 100MHz	112 @ 300MHz	0.015	5					500	

ROD CORE CHOKES

- Features:**
- Rated current up to 10A
 - High mechanical stability
 - High saturation currents
 - Operating temperature: -40°C to +125°C
- Applications:**
- Switching regulators, SMPS
 - Motors
 - Power supplies
 - Broadband filtering
 - Noise Suppression

DIMENSIONS: mm



MOUSER STOCK NO.	Fastron Part No.	Inductance (μH)	Tol. ± (%)	Rated DC Current (A)	Temp Rise Δ (°C)	ISAT (A)	DCR (Ω)	Dimensions (mm)					Price Each			Reel Qty.	Reel Price Ea.
								ø d	ø D1	A	ø D	F	F1	1	50		
3RCC Series																	
434-3RCC-1R8M	3RCC-1R8M-00	1.8	20	2.5	< 15	10.0	0.008	0.67	3.0	12	4.6	8.8	3.7				1500
434-3RCC-4R7M	3RCC-4R7M-00	4.7	20	2.5	< 15	5.0	0.012	0.67	3.0	20	4.6	13.0	3.7				1500
434-3RCC-7R0M	3RCC-7R0M-00	7.0	20	1.9	< 15	4.6	0.016	0.63	3.3	22	4.8	14.2	4.0				1500
434-3RCC-9R0M	3RCC-9R0M-00	9.0	20	1.0	< 15	3.7	0.020	0.63	3.3	22	4.8	17.5	4.0				1500
4RCC Series																	
434-4RCC-1R8M	4RCC-1R8M-00	1.8	20	10	< 15	15.0	0.003	1.32	4.0	20	6.9	15.9	5.4				1000
434-4RCC-4R7M	4RCC-4R7M-00	4.7	20	6	< 15	8.2	0.007	1.00	4.0	25	6.3	18.4	5.1				1000
434-4RCC-7R0M	4RCC-7R0M-00	7.0	20	5	< 15	6.5	0.008	0.95	4.0	30	6.2	19.5	5.0				1000
434-4RCC-9R0M	4RCC-9R0M-00	9.0	20	4	< 15	5.6	0.015	0.85	4.0	30	6.0	20.1	4.9				1000
434-4RCC-120M	4RCC-120M-00	12.0	20	2	< 15	5.0	0.022	0.63	4.0	25	5.5	16.9	4.7				1000
5RCC Series																	
434-5RCC-2R5M	5RCC-2R5M-00	2.5	20	6.0	< 15	18.0	0.005	1.00	5.0	20	7.3	11.0	6.1				800
434-5RCC-4R7M	5RCC-4R7M-00	4.7	20	5.0	< 15	13.0	0.008	0.95	5.0	25	7.2	14.5	6.0				800
434-5RCC-7R0M	5RCC-7R0M-00	7.0	20	3.0	< 15	11.0	0.017	0.71	5.0	20	6.7	15.3	5.7				800
434-5RCC-100M	5RCC-100M-00	10.0	20	2.0	< 15	9.0	0.027	0.63	5.0	20	6.5	16.2	5.7				800
434-5RCC-120M	5RCC-120M-00	12.0	20	2.5	< 15	8.5	0.024	0.63	5.0	25	6.5	14.9	5.7				800
434-5RCC-250M	5RCC-250M-00	25.0	20	1.0	< 15	5.0	0.038	0.63	5.0	30	6.5	22.8	5.7				800
6RCC Series																	
434-6RCC-4R0M	6RCC-4R0M-00	4	20	10.0	< 15	22.0	0.005	1.32	6.0	25	8.9	18.7	7.4				500
434-6RCC-6R0M	6RCC-6R0M-00	6	20	7.0	< 15	17.0	0.008	1.06	6.0	25	8.4	18.4	7.1				500
434-6RCC-100M	6RCC-100M-00	10.0	20	5.0	< 15	14.0	0.013	0.95	6.0	25	8.2	22.4	7.0				500
434-6RCC-150M	6RCC-150M-00	15.0	20	2.0	< 15	10.0	0.030	0.63	6.0	25	7.5	16.2	6.7				500
434-6RCC-220M	6RCC-220M-00	22.0	20	2.0	< 15	7.8	0.034	0.63	6.0	30	7.5	18.2	6.7				500
434-6RCC-300M	6RCC-300M-00	30.0	20	2.0	< 15	7.0	0.046	0.63	6.0	30	7.5	24.2	6.7				500

FASTRON Chip Inductors and RFID Transponder Coils

Fine Inductors
Fastron

RoHS Compliant This product is RoHS compliant.

RF CHIP INDUCTORS

Specifications:

- Operating Temperature: -40°C to +125°C
- Gold plated terminals
- Tolerance: 5% and 10%
- High reliability

*Additional case sizes and values available at Mouser.com

PRODUCT **NEW**

MOUSER STOCK NO.	Fastron Part No.	Fig.	L	fL (MHz)	Q Min.	fQ (MHz)	SRF typ. (MHz)	DCR Max. (mΩ)	Rated DC Current (mA)	Price Each		Reel Qty.	Price Per Piece
										1	100		
1210AS Series													
434-1210AS-010K-01	1210AS-010K-01	A	10nH	50	50	500	4100	0.08	1000			800	
434-1210AS-015K-01	1210AS-015K-01	A	15nH	50	50	500	2400	0.10	1000			800	
434-1210AS-022K-01	1210AS-022K-01	A	22nH	50	55	350	2400	0.12	1000			800	
434-1210AS-033J-01	1210AS-033J-01	A	33nH	50	60	350	1600	0.14	1000			800	
434-1210AS-047J-01	1210AS-047J-01	A	47nH	50	65	350	1200	0.16	1000			800	
434-1210AS-068J-01	1210AS-068J-01	A	68nH	50	65	350	1000	0.20	1000			800	
434-1210AS-R10J-01	1210AS-R10J-01	A	100nH	25	60	350	1000	0.24	980			800	
434-1210AS-R15J-01	1210AS-R15J-01	A	150nH	25	50	100	750	0.29	870			800	
434-1210AS-R22J-01	1210AS-R22J-01	A	220nH	25	50	100	650	0.35	790			800	
434-1210AS-R33J-01	1210AS-R33J-01	A	330nH	25	45	100	500	0.49	680			800	
434-1210AS-R47J-01	1210AS-R47J-01	A	470nH	25	45	100	450	0.60	610			800	
434-1210AS-R68J-01	1210AS-R68J-01	A	680nH	25	45	100	350	1.15	420			800	
434-1210AS-1R0K-01	1210AS-1R0K-01	A	1000nH	25	35	50	290	2.16	330			800	
434-1210AS-1R5K-01	1210AS-1R5K-01	A	1500nH	7.9	25	50	200	2.64	300			800	
434-1210AS-2R2K-01	1210AS-2R2K-01	A	2200nH	7.9	25	50	160	2.98	200			800	
434-1210AS-3R3K-01	1210AS-3R3K-01	A	3300nH	7.9	25	25	120	3.66	250			800	
434-1210AS-4R7K-01	1210AS-4R7K-01	A	4700nH	7.9	20	25	90	4.30	230			800	
434-1210AS-6R8K-01	1210AS-6R8K-01	A	6800nH	7.9	15	25	60	5.20	210			800	
434-1210AS-100K-01	1210AS-100K-01	A	10000nH	7.9	17	7.9	38	6.00	160			800	
1812AF Series													
434-1812AF-100K-01	1812AF-100K-01	B	10uH	2.5	42	2.5	23	1.8	310			600	
434-1812AF-150K-01	1812AF-150K-01	B	15uH	2.5	42	2.5	40	2.5	290			600	
434-1812AF-220K-01	1812AF-220K-01	B	22uH	2.5	45	2.5	40	3.2	260			600	
434-1812AF-330K-01	1812AF-330K-01	B	33uH	2.5	45	2.5	34	4.0	230			600	
434-1812AF-470K-01	1812AF-470K-01	B	47uH	2.5	42	2.5	30	5.0	200			600	
434-1812AF-680K-01	1812AF-680K-01	B	68uH	2.5	40	2.5	23	6.0	180			600	
434-1812AF-101K-01	1812AF-101K-01	B	100uH	2.5	40	2.5	13	8.0	150			600	
434-1812AF-151K-01	1812AF-151K-01	B	150uH	0.79	36	0.79	10	13.0	125			600	
434-1812AF-221K-01	1812AF-221K-01	B	220uH	0.79	38	0.79	6.0	16.2	115			600	
434-1812AF-331K-01	1812AF-331K-01	B	330uH	0.79	38	0.79	3.5	22.5	100			600	
434-1812AF-471K-01	1812AF-471K-01	B	470uH	0.79	33	0.79	2.1	26.5	85			600	
434-1812AF-681K-01	1812AF-681K-01	B	680uH	0.79	27	0.79	1.8	38.0	60			600	
434-1812AF-102K-01	1812AF-102K-01	B	1000uH	0.79	26	0.79	1.6	44.0	50			600	

FASTRON transponder coils are optimized for Low Frequency RFID applications, especially in automotive subsystems and wireless data transmissions. They can be used as miniature SMD transponder antennae.

Specifications:

- Operating Temperature: -40°C to +125°C
- Core types: Ferrite and Ceramic/Ferrite
- Tolerance: 5% and 10%

Features:

- High Q
- Gold pad metallization
- For surface mount assembly
- Direct cross to Coilcraft (4408AF, 4513FP)

Applications:

- Access control and tracking devices
- Passive keyless entry/keyless go systems
- Antennas and wireless modules
- Low frequency RFID products
- TPMS with wake-up function

PRODUCT **NEW**

4408AF SERIES TRANSPONDER COIL - 5% TOLERANCE

*Additional case sizes and values available at Mouser.com

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fastron Part No.	Fig.	L (mH)	fL (kHz)	Q Min.	fQ (kHz)	SRF Min. (kHz)	DCR Max. (Ω)	Price Each		
									1	100	500
434-4408AF-242J	4408AF-242J-04	C	2.38	125	32	125	560	30.8			
434-4408AF-472J	4408AF-472J-04	C	4.7	125	29	125	380	70			
434-4408AF-482J	4408AF-482J-04	C	4.8	125	29	125	380	80			
434-4408AF-492J	4408AF-492J-04	C	4.9	125	29	125	380	80			
434-4408AF-562J	4408AF-562J-04	C	5.6	125	28	125	350	80			
434-4408AF-682J	4408AF-682J-04	C	6.8	125	28	125	345	95			
434-4408AF-702J	4408AF-702J-04	C	7.0	125	30	125	340	100			
434-4408AF-722J	4408AF-722J-04	C	7.2	125	30	125	335	86.4			
434-4408AF-902J	4408AF-902J-04	C	9.0	125	28	125	310	111.6			
434-4408AF-103J	4408AF-103J-04	C	10.0	125	30	125	310	111.6			

1812AFTC SERIES HIGH Q - SMALL PACKAGE TRANSPONDER COIL - 10% TOLERANCE

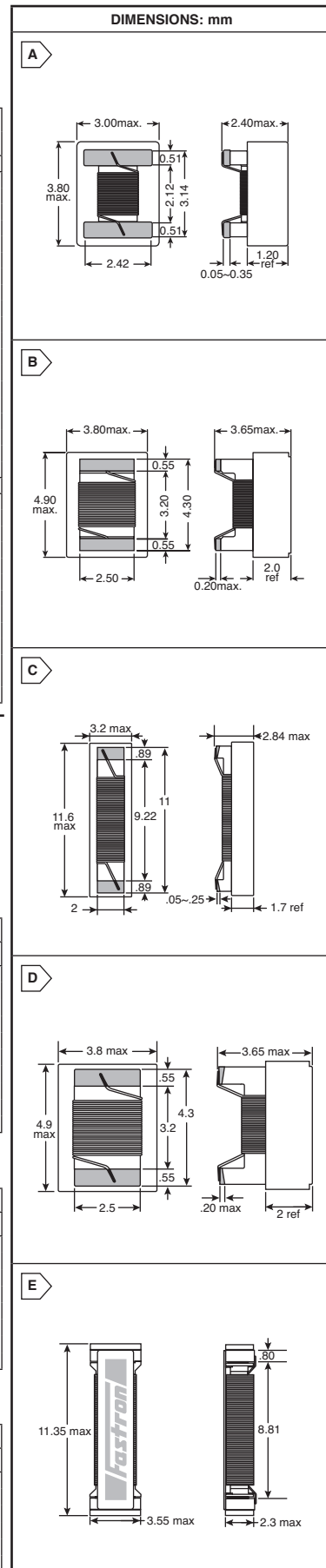
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fastron Part No.	Fig.	L (mH)	fL (kHz)	Q Min.	fQ (kHz)	SRF Min. (kHz)	Price Each		
								1	100	500
434-1812AFTC-242K	1812AFTC-242K-01	D	2.38	125	19	125	650			
434-1812AFTC-292K	1812AFTC-292K-01	D	2.89	125	19	125	620			
434-1812AFTC-342K	1812AFTC-342K-01	D	3.44	125	19	125	600			
434-1812AFTC-412K	1812AFTC-412K-01	D	4.15	125	19	125	600			
434-1812AFTC-492K	1812AFTC-492K-01	D	4.91	125	18	125	560			
434-1812AFTC-602K	1812AFTC-602K-01	D	6.00	125	18	125	530			
434-1812AFTC-722K	1812AFTC-722K-01	D	7.20	125	16	125	470			
434-1812AFTC-742K	1812AFTC-742K-01	D	7.36	125	16	125	470			

4513FP SERIES VERY ROBUST, SHOCK PROOF TRANSPONDER COIL - 5% TOLERANCE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fastron Part No.	Fig.	L (mH)	fL/fQ (kHz)	Q Min.	SRF Min. (kHz)	Read Dist. (cm)	Sensitivity (mV/μT)	DCR Max (Ω)	Price Each		
										1	100	500
434-4513FP-401J	4513FP-401J-08	E	.40	125	21	6340	50	9	11.5			
434-4513FP-102J	4513FP-102J-08	E	1.00	125	21	4150	62	15	29			
434-4513FP-242J	4513FP-242J-08	E	2.38	125	26	2470	72	25	55			
434-4513FP-492J	4513FP-492J-08	E	4.90	125	24	1270	83	42	103			
434-4513FP-722J	4513FP-722J-08	E	7.20	125	30	1465	89	60	128			
434-4513FP-902J	4513FP-902J-08	E	9.00	125	32	1200	91	78	150			



Inductors

Fastron

FASTRON Radial Power Coils and Axial Suppression Coils

FASTRON RADIAL PLUGGABLE COILS

Features:

- All 5% inductance tolerance
- Multi-layer windings on ferrite cores
- Heatshrink tube protected or ferrite magnetic shielded
- Sturdy pluggable radial construction with solder dipped leads
- Wide selection of medium to high inductances

Applications:

- DC/DC Converters
- Filtering applications
- Instrumentation

17 Series

MOUSER STOCK NO.	Fastron Part No.	L (μH) @ 20kHz	Q Min.	f ₀ (kHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm				
								A	B	C	D	E
434-17-681J	07P-681J-50	680	80	796	2.3	3.7	170	12	14	7.5	.65	3.5
434-17-821J	07P-821J-50	820	80	796	2.1	4.1	160	12	14	7.5	.65	3.5
434-17-102J	07P-102J-50	1000	100	252	1.8	5.4	150	12	14	7.5	.65	3.5
434-17-122J	07P-122J-50	1200	100	252	1.6	5.8	140	12	14	7.5	.65	3.5
434-17-152J	07P-152J-50	1500	100	252	1.5	6.5	130	12	14	7.5	.65	3.5
434-17-182J	07P-182J-50	1800	100	252	1.4	7.5	120	12	14	7.5	.65	3.5
434-17-222J	07P-222J-50	2200	100	252	1.3	8.8	110	12	14	7.5	.65	3.5
434-17-272J	07P-272J-50	2700	100	252	1.2	9.8	100	12	14	7.5	.65	3.5
434-17-332J	07P-332J-50	3300	100	252	1.1	13	80	12	14	7.5	.65	3.5
434-17-472J	07P-472J-50	4700	100	252	0.9	18.5	70	12	14	7.5	.65	3.5
434-17-562J	07P-562J-50	5600	100	252	0.8	21	60	12	14	7.5	.65	3.5
434-17-682J	07P-682J-50	6800	100	252	0.7	29	55	12	14	7.5	.65	3.5
434-17-822J	07P-822J-50	8200	100	252	0.65	33	50	12	14	7.5	.65	3.5

01 Series

MOUSER STOCK NO.	Fastron Part No.	L (μH) @ 20kHz	Q Min.	f ₀ (kHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm				
								A	B	C	D	E
434-01-101J	09P-101J-50	100	40	796	5	0.3	790	14	14	9.5	.70	5
434-01-151J	09P-151J-50	150	40	796	4	0.4	650	14	14	9.5	.70	5
434-01-221J	09P-221J-50	220	30	796	3.3	0.5	530	14	14	9.5	.70	5
434-01-331J	09P-331J-50	330	35	796	2.7	1.0	500	14	14	9.5	.70	5
434-01-391J	09P-391J-50	390	35	796	2.5	1.1	460	14	14	9.5	.70	5
434-01-471J	09P-471J-50	470	35	796	2.3	1.3	420	14	14	9.5	.70	5
434-01-561J	09P-561J-50	560	35	796	2	1.5	400	14	14	9.5	.70	5
434-01-681J	09P-681J-50	680	35	796	1.9	1.9	350	14	14	9.5	.70	5
434-01-821J	09P-821J-50	820	35	796	1.7	2.2	310	14	14	9.5	.70	5
434-01-102J	09P-102J-50	1000	70	252	1.6	2.6	280	14	14	9.5	.70	5
434-01-122J	09P-122J-50	1200	70	252	1.4	3.0	250	14	14	9.5	.70	5
434-01-152J	09P-152J-50	1500	70	252	1.2	5.1	220	14	14	9.5	.70	5
434-01-222J	09P-222J-50	2200	70	252	1	7.0	180	14	14	9.5	.70	5
434-01-272J	09P-272J-50	2700	70	252	0.9	8.0	170	14	14	9.5	.70	5
434-01-332J	09P-332J-50	3300	70	252	0.8	9.0	150	14	14	9.5	.70	5
434-01-392J	09P-392J-50	3900	70	252	0.75	10	140	14	14	9.5	.70	5
434-01-472J	09P-472J-50	4700	70	252	0.65	11.5	130	14	14	9.5	.70	5
434-01-562J	09P-562J-50	5600	70	252	0.63	15	120	14	14	9.5	.70	5
434-01-682J	09P-682J-50	6800	70	252	0.57	17	110	14	14	9.5	.70	5
434-01-822J	09P-822J-50	8200	70	252	0.5	20	100	14	14	9.5	.70	5
434-01-103J	09P-103J-50	10000	70	79	0.41	35	90	14	14	9.5	.70	5
434-01-123J	09P-123J-50	12000	70	79	0.38	40	80	14	14	9.5	.70	5
434-01-153J	09P-153J-50	15000	70	79	0.35	45	70	14	14	9.5	.70	5
434-01-183J	09P-183J-50	18000	70	79	0.34	50	65	14	14	9.5	.70	5
434-01-223J	09P-223J-50	22000	70	79	0.3	58	60	14	14	9.5	.70	5
434-01-273J	09P-273J-50	27000	70	79	0.29	70	55	14	14	9.5	.70	5
434-01-333J	09P-333J-50	33000	70	79	0.26	75	50	14	14	9.5	.70	5

FASTRON RFI SUPPRESSION COILS

These RFI suppression coils feature inductance ranges from 1μH to 10,000μH capable of handling currents from 80mA to 12amps. Non-standard values and tape/reel packaging are available on request.

Specifications:

- Operating temperature range: -55°C - +125°C
- Dielectric insulation strength: 2.5KV
- Inductive tolerance: ±20%
- Rated inductance measured at: 1MHz for L ≤ 10μH; 100kHz for 10μH < L ≤ 1000μH; 10kHz for L > 1000μH

Applications:

- Communications (RF blocking, filtering and decoupling)
- Consumer electronics
- Interference suppression

Features:

- UL recognized

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Rated DC Current (A)	DCR Max. (Ω)	Dimensions: mm		
					A	B	C
434-SMSC-Value-01							
434-MESC-Value-01							
434-77A-Value-01							

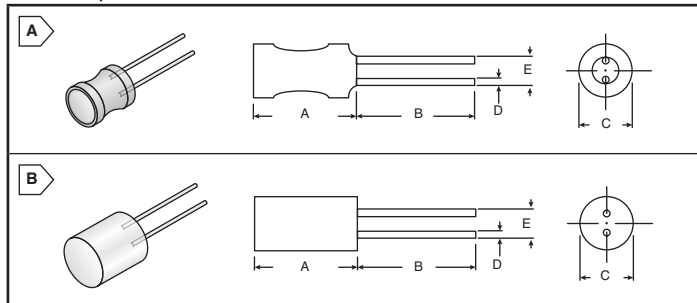
SMSC Low Current Suppression Coils - Iron Oxide Core

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Rated DC Current (A)	DCR Max. (Ω)	Dimensions: mm		
					A	B	C
434-SMSC-100M-01	SMSC-100M-01	10	1.50	14	87	17	5.5
434-SMSC-161M-01	SMSC-161M-01	160	0.15	21600	87	17	5.5
434-SMSC-1R0M-01	SMSC-1R0M-01	1	6.00	14	87	17	5.5
434-SMSC-230M-01	SMSC-230M-01	23	0.70	876	87	17	5.5
434-SMSC-2R0M-01	SMSC-2R0M-01	2	4.00	24	87	17	5.5
434-SMSC-3R0M-01	SMSC-3R0M-01	3	3.00	46	87	17	5.5
434-SMSC-6R0M-01	SMSC-6R0M-01	6	2.00	144	87	19	5.5

RoHS Compliant This product is RoHS compliant.



RoHS Compliant



03 Series

MOUSER STOCK NO.	Fastron Part No.	L (μH) @ 20kHz	Q Min.	f ₀ (kHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm				
								A	B	C	D	E
434-03-103J	11P-103J-50	10	50	79	0.35	23	110	16	10	12	0.7	5
434-03-123J	11P-123J-50	12	50	79	0.32	24	100	16	10	12	0.7	5
434-03-153J	11P-153J-50	15	50	79	0.29	28	90	16	10	12	0.7	5
434-03-223J	11P-223J-50	22	50	79	0.25	39	70	16	10	12	0.7	5
434-03-273J	11P-273J-50	27	50	79	0.21	48	70	16	10	12	0.7	5
434-03-333J	11P-333J-50	33	50	79	0.2	56	65	16	10	12	0.7	5
434-03-393J	11P-393J-50	39	50	79	0.19	62	60	16	10	12	0.7	5
434-03-473J	11P-473J-50	47	50	79	0.18	73	55	16	10	12	0.7	5
434-03-563J	11P-563J-50	56	50	79	0.14	115	50	16	10	12	0.7	5
434-03-683J	11P-683J-50	68	50	79	0.13	120	50	16	10	12	0.7	5
434-03-104J	11P-104J-50	100	50	25	0.11	155	40	16	10	12	0.7	5
434-03-124J	11P-124J-50	120	50	25	0.09	186	37	16	10	12	0.7	5
434-03-154J	11P-154J-50	150	50	25	0.08	205	35	16	10	12	0.7	5

02 Series

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Q Min.	f ₀ (kHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm				
								A	B	C	D	E
434-02-102J	07MFG-102J-50	1	70	252	---	3.4	90	12.5	14	10	.65	3.5
434-02-122J	07MFG-122J-50	1.2	70	252	---	3.7	75	12.5	14	10	.65	3.5
434-02-152J	07MFG-152J-50	1.5	70	252	---	4	70	12.5	14	10	.65	3.5
434-02-182J	07MFG-182J-50	1.8	70	252	---	4.5	65	12.5	14	10	.65	3.5
434-02-222J	07MFG-222J-50	2.2	70	252	---	5.2	60	12.5	14	10	.65	3.5
434-02-272J	07MFG-272J-50	2.7	70	252	---	5.8	55	12.5	14	10	.65	3.5
434-02-332J	07MFG-332J-50	3.3	100	252	---	6.1	50	12.5	14	10	.65	3.5
434-02-392J	07MFG-392J-50	3.9	100	252	---	7.2	45	12.5	14	10	.65	3.5
434-02-472J	07MFG-472J-50	4.7	100	252	---	7.5	40	12.5	14	10	.65	3.5
434-02-562J	07MFG-562J-50	5.6	100	252	---	8.4	40	12.5	14	10	.65	3.5
434-02-682J	07MFG-682J-50	6.8	70	252	---	9.7	35	12.5	14	10	.65	3.5
434-02-822J	07MFG-822J-50	8.2	70	252	---	10.4	30	12.5	14	10	.65	3.5
434-02-103J	07MFG-103J-50	10	100	79	---	12.1	25	12.5	14	10	.65	3.5
434-02-123J	07MFG-123J-50	12	100	79	---	13	25	12.5	14	10	.65	3.5
434-02-153J	07MFG-153J-50	15	100	79	---	15	25	12.5	14	10	.65	3.5
434-02-183J	07MFG-183J-50	18	100	79	---	17	22	12.5	14	10	.65	3.5
434-02-223J	07MFG-223J-50	22	100	79	---	19.5	21	12.5	14	10	.65	3.5
434-02-273J	07MFG-273J-50	27	100	79	---	22	18	12.5	14	10	.65	3.5
434-02-333J	07MFG-333J-50	33	100	79	---	26	17	12.5	14	10	.65	3.5
434-02-473J	07MFG-473J-50	47	100	79	---	52	13	12.5	14	10	.65	3.5
434-02-563J	07MFG-563J-50	56	100	79	---	58	12	12.5	14	10	.65	3.5
434-02-683J	07MFG-683J-50	68	70	79	---	66	12	12.5	14	10	.65	3.5
434-02-823J	07MFG-823J-50	82										



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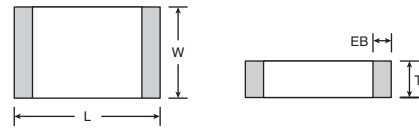
RF CERAMIC CHIP INDUCTORS

Features:

- Termination Style: SMD/SMT
- Test freq: 100 MHz
- Operating Temp Range: -40°C to +100°C

Applications:

- Cell/PCS Modules
- Broadband Components
- RF Transceivers
- Wireless LAN
- RFID



DIMENSIONS: in. (mm)				
Case	L	W	T	EB
0201 (0603)	.024±.001 (0.6±.03)	.012±.001 (0.3±.03)	.012±.001 (0.3±.03)	.006±.002 (0.15±.05)
0402 (1005)	.039±.004 (1.00±.10)	.020±.004 (0.50±.10)	.020±.004 (0.50±.10)	.009±.004 (0.23±.10)
0603 (1608)	.063±.006 (1.60±.15)	.031±.006 (0.80±.15)	.031±.006 (0.80±.15)	.012±.008 (0.30±.20)

L-05 (Polarity Half-Marked): 0201 Case Size

MOUSER STOCK NO.	Johanson Technology Part No.	Inductance (μH)	Tolerance (±)	IDC Max (mA)	SRF (GHz)	For quantities greater than listed, call for quote.			
						Price Each			
						1	10	100	1000
609-L-05B2N2SV6T	L-05B2N2SV6T	2.2	0.3nH	300	21				

L-07: 0402 Case Size

MOUSER STOCK NO.	Johanson Technology Part No.	Inductance (μH)	Tolerance (±)	IDC Max (mA)	SRF (GHz)	For quantities greater than listed, call for quote.			
						Price Each			
						1	10	100	1000
609-L-07C10NV6T	L-07C10NV6T	10	5%	250	21				
609-L-07C12NV6T	L-07C12NV6T	12	5%	250	21				
609-L-07C15NV6T	L-07C15NV6T	15	5%	250	21				
609-L-07C18NV6T	L-07C18NV6T	18	5%	200	21				
609-L-07C1N5SV6T	L-07C1N5SV6T	1.5	0.3nH	300	21				
609-L-07C1N8SV6T	L-07C1N8SV6T	1.8	0.3nH	300	21				
609-L-07C27NV6T	L-07C27NV6T	27	5%	200	21				
609-L-07C2N2SV6T	L-07C2N2SV6T	2.2	0.3nH	300	21				
609-L-07C2N7SV6T	L-07C2N7SV6T	2.7	0.3nH	300	21				
609-L-07C3N3SV6T	L-07C3N3SV6T	3.3	0.3nH	300	21				
609-L-07C3N9SV6T	L-07C3N9SV6T	3.9	0.3nH	300	21				
609-L-07C4N7SV6T	L-07C4N7SV6T	4.7	0.3nH	300	21				
609-L-07C5N6SV6T	L-07C5N6SV6T	5.6	0.3nH	300	21				
609-L-07C6N8JV6T	L-07C6N8JV6T	6.8	5%	250	21				
609-L-07C7N5JV6T	L-07C7N5JV6T	7.5	5%	250	21				
609-L-07C8N2JV6T	L-07C8N2JV6T	8.2	5%	250	21				

L-14: 0603 Case Size

MOUSER STOCK NO.	Johanson Technology Part No.	Inductance (μH)	Tolerance (±)	IDC Max (mA)	SRF (GHz)	For quantities greater than listed, call for quote.			
						Price Each			
						1	10	100	1000
609-L-14C39NV4T	L-14C39NV4T	39	5%	300	23				
609-L-14C6N8JV4T	L-14C6N8JV4T	6.8	5%	300	23				

CAPACITOR AND INDUCTOR KITS

MOUSER STOCK NO.	Case Size	Kit Includes	Price Each
L Series			
609-L-C-201DL	0201	50 pcs. ea. MLCC (pF): 0.3 B, 0.5 B, 0.7 B, 0.9 B, 1.0 B, 1.2 B, 1.5 B, 1.8 B, 2.2 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.3 B, 4.7 B, 5.1 C, 5.6 C, 6.8 C, 8.2 C, 9.1 C, 10 J, 12 J, 15 J, 18 J, 22 J, 27 J, 33 J, 50 pcs. ea. MLCI (nH): 0.6 C, 0.8 C, 1.0 S, 1.2 S, 1.5 S, 1.8 S, 2.2 S, 2.4 S, 2.7 S, 3.0 S, 3.3 S, 3.7 S, 3.9 S, 4.7 S, 5.1 S, 5.6 S, 6.8 J, 8.2 J, 10 J, 12 J, 13 J, 15 J, 18 J, 20 J, 22 J, 27 J, 33 J, 39 J	
S Series			
609-L-C-402DS	0402	50 pcs. ea. MLCC (pF): 0.2 B, 0.3 B, 0.5 B, 0.7 B, 0.9 B, 1.0 B, 1.2 B, 1.5 B, 1.8 B, 2.0 B, 2.2 B, 2.4 B, 2.7 B, 3.0 B, 3.6 B, 4.3 B, 4.7 B, 5.6 C, 6.8 C, 7.5 C, 8.2 C, 9.1 C, 10 J, 12 J, 15 J, 22 J, 27 J, 30 J, 50 pcs. ea. MLCI (nH): 1.0 S, 1.2 S, 1.5 S, 1.8 S, 2.2 S, 2.4 S, 2.7 S, 3.0 S, 3.3 S, 3.9 S, 4.3 S, 4.7 S, 5.1 S, 5.6 S, 6.8 J, 7.5 J, 8.2 J, 10 J, 12 J, 15 J, 18 J, 22 J, 27 J, 33 J, 39 J, 47 J, 68 J, 100 J	
609-L-C-603DS	0603	50 pcs. ea. MLCC (pF): 0.3 B, 0.5 B, 0.8 B, 1.0 B, 1.2 B, 1.5 B, 1.8 B, 2.2 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.7 B, 5.6 C, 6.8 C, 8.2 C, 10 J, 12 J, 15 J, 18 J, 20 J, 24 J, 27 J, 33 J, 39 J, 47 J, 68 J, 82 J, 50 pcs. ea. MLCI (nH): 1.0 S, 1.5 S, 1.8 S, 2.2 S, 2.7 S, 3.3 S, 3.9 S, 4.7 S, 5.6 S, 6.8 J, 8.2 J, 10 J, 12 J, 15 J, 18 J, 22 J, 27 J, 33 J, 39 J, 47 J, 56 J, 68 J, 82 J, 100 J, 120 J, 150 J, 180 J, 220 J	
609-L-C-805DS	0805	50 pcs. ea. MLCC (pF): 0.3 B, 0.5 B, 0.7 B, 0.9 B, 1.0 B, 1.2 B, 1.5 B, 1.8 B, 2.0 B, 2.2 B, 2.4 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.3 B, 4.7 B, 5.1 C, 5.6 C, 6.2 C, 6.8 C, 7.5 C, 8.2 C, 9.1 C, 10 J, 12 J, 15 J, 18 J, 20 J, 22 J, 24 J, 27 J, 30 J, 33 J, 36 J, 39 J, 43 J, 47 J, 56 J, 68 J, 82 J, 100 J, 120 J, 150 J, 180 J, 220 J, 20 pcs. ea. MLCI (nH): 2.7 C, 3.9 C, 5.6 C, 6.8 J, 8.2 J, 12 J, 16 J, 20 J, 27 J, 33 J, 39 J, 47 J, 56 J, 68 J, 82 J, 100 J, 120 J, 150 J, 180 J, 220 J, 270 J, 330 J, 390 J, 560 J, 1000 J, 2200 J, 6800 J, 10000 J	

TUNING CAPACITOR KITS

L Series	Kit Includes
609-S201TL	0201 50 pcs. ea. (pF): 0.2 A, 0.3 A, 0.4 A, 0.5 B, 0.6 B, 0.7 B, 0.8 B, 0.9 B, 1.0 B, 1.1 B, 1.2 B, 1.3 B, 1.5 B, 1.8 B, 2.0 B, 2.2 B, 2.4 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.3 B, 4.7 B, 5.1 C, 5.6 C, 6.2 C, 6.8 C
S Series	Kit Includes
609-S402TS	0402 50 pcs. ea. (pF): 0.2 A, 0.3 A, 0.4 A, 0.5 B, 0.6 B, 0.7 B, 0.8 B, 0.9 B, 1.0 B, 1.1 B, 1.2 B, 1.3 B, 1.5 B, 1.8 B, 2.0 B, 2.2 B, 2.4 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.3 B, 4.7 B, 5.1 C, 5.6 C, 6.2 C, 6.8 C
609-S603TS	0603 50 pcs. ea. (pF): 0.2 B, 0.3 B, 0.4 B, 0.5 B, 0.6 B, 0.7 B, 0.8 B, 0.9 B, 1.0 B, 1.1 B, 1.2 B, 1.3 B, 1.5 B, 1.8 B, 2.0 B, 2.2 B, 2.4 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.3 B, 4.7 B, 5.1 C, 5.6 C, 6.2 C, 6.8 C
609-S805TS	0805 50 pcs. ea. (pF): 0.3 B, 0.5 B, 0.7 B, 0.9 B, 1.0 B, 1.1 B, 1.2 B, 1.3 B, 1.5 B, 1.8 B, 2.0 B, 2.2 B, 2.4 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.3 B, 4.7 B, 5.1 C, 5.6 C, 6.2 C, 6.8 C, 7.5 C, 8.2 C, 9.1 C, 10 J
E Series	Kit Includes
609-S111TVE	1111 10 pcs. ea. MLCC (pF): 0.5 B, 0.6 B, 0.7 B, 0.8 B, 0.9 B, 1.0 B, 1.1 B, 1.2 B, 1.3 B, 1.5 B, 2.0 B, 2.2 B, 2.4 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.3 B, 4.7 B, 5.1 C, 5.6 C, 6.2 C, 6.8 C, 7.5 C, 8.2 C, 9.1 C, 10 J

Broadband Single Layer Capacitors

MOUSER STOCK NO.	Case Size	Kit Includes	Price Each
609-GBBL	-	10 pcs. ea.: V01A151MT, V02A471MT, V02A102MT, V03A102MT, V04A182MT	

WireWound High Q Chip Inductor Kits

609-L402W	0402	20 pcs. ea. (nH): 1.0 C, 1.8 C, 2.0 C, 2.7 C, 3.3 C, 3.9 C, 4.7 C, 5.6 C, 6.8 J, 7.5 J, 8.2 J, 9.0 J, 10 J, 12 J, 15 J, 18 J, 20 J, 22 J, 24 J, 27 J, 30 J, 33 J, 39 J, 47 J, 56 J, 68 J, 82 J, 100 J, 120 J
609-L603W	0603	20 pcs. ea. (nH): 1.6 C, 1.8 C, 2.0 C, 3.9 C, 4.7 C, 5.1 C, 5.6 C, 6.8 J, 7.5 J, 8.2 J, 10 J, 12 J, 15 J, 18 J, 22 J, 27 J, 33 J, 39 J, 47 J, 56 J, 68 J, 72 J, 82 J, 100 J, 150 J, 180 J, 270 J, 330 J
609-L805W	0805	20 pcs. ea. (nH): 2.7 C, 3.9 C, 5.6 C, 6.8 J, 8.2 J, 12 J, 16 J, 20 J, 27 J, 33 J, 39 J, 47 J, 56 J, 68 J, 82 J, 100 J, 120 J, 150 J, 180 J, 220 J, 270 J, 330 J, 390 J, 560 J, 1000 J, 2200 J, 6800 J, 10000 J

(Individual) Capacitor, Inductor Designer Kits

L Series	Kit Includes
609-S201DL	0201 50 pcs. ea. (pF): 0.3 B, 0.5 B, 0.7 B, 0.9 B, 1.0 B, 1.2 B, 1.5 B, 1.8 B, 2.2 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.3 B, 4.7 B, 5.1 C, 5.6 C, 6.8 C, 8.2 C, 9.1 C, 10 J, 12 J, 15 J, 18 J, 22 J, 27 J, 33 J
S Series	Kit Includes
609-S402DS	0402 50 pcs. ea. (pF): 0.2 B, 0.3 B, 0.5 B, 0.7 B, 0.9 B, 1.0 B, 1.2 B, 1.5 B, 1.8 B, 2.0 B, 2.2 B, 2.4 B, 2.7 B, 3.0 B, 3.6 B, 4.3 B, 4.7 B, 5.6 C, 6.8 C, 7.5 C, 8.2 C, 9.1 C, 10 J, 12 J, 15 J, 22 J, 27 J, 30 J
609-S603DS	0603 50 pcs. ea. (pF): 0.3 B, 0.5 B, 0.8 B, 1.0 B, 1.2 B, 1.5 B, 1.8 B, 2.2 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.7 B, 5.6 C, 6.8 C, 8.2 C, 10 J, 12 J, 15 J, 18 J, 20 J, 24 J, 27 J, 33 J, 39 J, 47 J, 68 J, 82 J
609-S805DS	0805 50 pcs. ea. (pF): 0.3 B, 0.5 B, 0.7 B, 0.9 B, 1.0 B, 1.1 B, 1.2 B, 1.3 B, 1.5 B, 1.8 B, 2.0 B, 2.2 B, 2.4 B, 2.7 B, 3.0 B, 3.3 B, 3.6 B, 3.9 B, 4.3 B, 4.7 B, 5.1 C, 5.6 C, 6.2 C, 6.8 C, 7.5 C, 8.2 C, 9.1 C, 10 J
E Series	Kit Includes
609-S111DVE	1111 10 pcs. ea. (pF): 1.0 B, 3.9 B, 4.7 B, 6.8 C, 7.5 C, 8.2 C, 9.1 C, 10 J, 12 J, 15 J, 18 J, 20 J, 27 J, 33 J, 47 J, 56 J, 68 J, 82 J, 100 K, 120 K, 150 K, 180 K, 220 K, 270 K, 390 K, 470 K, 560 K, 1000 K
Inductors	Kit Includes
609-L201DC	0201 50 pcs. ea. (nH): 0.6 C, 0.8 C, 1.0 S, 1.2 S, 1.5 S, 1.8 S, 2.2 S, 2.4 S, 2.7 S, 3.0 S, 3.3 S, 3.7 S, 3.9 S, 4.7 S, 5.1 S, 5.6 S, 6.8 J, 8.2 J, 10 J, 12 J, 13 J, 15 J, 18 J, 20 J, 22 J, 27 J, 33 J, 39 J
609-L402DC	0402 50 pcs. ea. (nH): 1.0 S, 1.2 S, 1.5 S, 1.8 S, 2.2 S, 2.4 S, 2.7 S, 3.0 S, 3.3 S, 3.9 S, 4.3 S, 4.7 S, 5.1 S, 5.6 S, 6.8 J, 7.5 J, 8.2 J, 10 J, 12 J, 15 J, 18 J, 22 J, 27 J, 33 J, 39 J, 47 J, 68 J, 100 J
609-L603DC	0603 50 pcs. ea. (nH): 1.0 S, 1.5 S, 1.8 S, 2.2 S, 2.7 S, 3.3 S, 3.9 S, 4.7 S, 5.6 S, 6.8 J, 8.2 J, 10 J, 12 J, 15 J, 18 J, 20 J, 22 J, 24 J, 27 J, 30 J, 33 J, 36 J, 39 J, 43 J, 47 J, 56 J, 68 J, 82 J, 100 J, 120 J, 150 J, 180 J, 220 J

KOA SPEER SMD Inductors



Value Code	Inductance
047	0.047μH
068	0.068μH
082	0.082μH
R12	0.12μH
R15	0.15μH
R18	0.18μH
R10	0.1μH
R22	0.22μH
R27	0.27μH
R33	0.33μH
R39	0.39μH
R47	0.47μH
R56	0.56μH
R68	0.68μH
R82	0.82μH
1N2	1.2nH
1R2	1.2μH
1N5	1.5nH
1R5	1.5μH

Value Code	Inductance
1R7	1.7μH
1N8	1.8nH
1R8	1.8μH
102	1000μH
R10	100nH
101	100μH
10N	10nH
100	10μH
110	11μH
121	12μH
12N	12nH
120	12μH
141	140μH
152	1500μH
R15	150nH
151	150μH
15N	15nH
150	15μH
170	17μH

Value Code	Inductance
182	1800μH
R18	180nH
181	180μH
18N	18nH
180	18μH
190	19μH
1N0	1nH
1R0	1μH
2N2	2.2nH
2R2	2.2μH
2N7	2.7nH
2R7	2.7μH
202	2000μH
201	200μH
222	2200μH
R22	220nH
221	220μH
22N	22nH
220	22μH

Value Code	Inductance
260	26μH
R27	270nH
271	270μH
27N	27nH
270	27μH
3N3	3.3nH
3R3	3.3μH
3N9	3.9nH
3R9	3.9μH
301	300μH
300	30μH
310	31μH
332	3300μH
R33	330nH
331	330μH
33N	33nH
330	33μH
391	390μH
39N	39nH

Value Code	Inductance
390	39μH
4N7	4.7nH
4R7	4.7μH
401	400μH
400	40μH
421	420μH
450	45μH
472	4700μH
471	470μH
47N	47nH
470	47μH
5N6	5.6nH
5R6	5.6μH
500	50μH
561	560μH
56N	56nH
560	56μH
050	5μH
6N8	6.8nH

Value Code	Inductance
6R8	6.8μH
601	600μH
600	60μH
650	65μH
682	6800μH
681	680μH
68N	68nH
680	68μH
700	70μH
751	750μH
750	75μH
070	7μH
8N2	8.2nH
8R2	8.2μH
800	80μH
821	820μH
82N	82nH
820	82μH
900	90μH

CZB, CZP, MCL, MHL SERIES

Features for CZP and CZB:

- Designed to reduce noise at high frequencies
- Nickel barrier with solder overcoat for excellent solderability
- Magnetically shielded

Features for MCL:

- Monolithic structure for closed magnetic path eliminates crosstalk and provides high reliability in a wide temperature and humidity range
- Nickel barrier with solder overcoat for excellent solderability
- Magnetically shielded

Features for MHL:

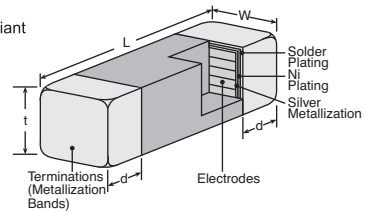
- Monolithic structure provides high reliability in a wide temperature and humidity range
- High quality ceramic material and unique manufacturing process provides high Q at high frequency
- Nickel barrier with solder overcoat for excellent solderability

Inductors

MOUSER STOCK NO.	Inductance Value	Size	Price Each				Reel
			1	100	500	1000	
CZB Series							
660-CZB1JGTTD-Code-P	30μH - 100μH	0603					
660-CZB1JGTTD-Code-P	120μH - 1000μH	0603					
660-CZB1JGTTD-Code-P	1500μH - 2000μH	0603					
660-CZB2AFTTD-Code-P	5μH - 80μH	0805					
660-CZB2AGTTD-Code-P	90μH - 400μH	0805					
660-CZB2AGTTD-Code-P	420μH - 600μH	0805					
660-CZB2AGTTD-Code-P	750μH - 1000μH	0805					
660-CZB2AGTTD-Code-P	1500μH - 2200μH	0805					
CZP Series							
660-CZP1JFTTD-Code-P	5μH - 60μH	0603	1	100	500	1000	
660-CZP2BFTTD-Code-P	90μH, 600μH	1206	1	100	500	1000	
MCL Series							
660-MCL1JHTTE-Code-K	0.068μH - 0.33μH	0603	1	100	500	1000	
660-MCL1JHTTE-Code-K	0.39μH - 0.82μH	0603	1	100	500	1000	
660-MCL1JHTTE-Code-K	1μH - 120μH	0603	1	100	500	1000	
660-MCL2AHTTE-Code-K	0.047μH - 0.47μH	0805	1	100	500	1000	
660-MCL2AHTTE-Code-K	0.56μH - 0.82μH	0805	1	100	500	1000	
660-MCL2AJTTE-Code-K	1μH - 6.8μH	0805	1	100	500	1000	
660-MCL2BJTTE-Code-K	1μH - 1.2μH	1206	1	100	500	1000	
660-MCL2BJTTE-Code-K	1.5μH - 4.7μH	1206	1	100	500	1000	
660-MCL2BJTTE-Code-K	5.6μH - 18μH	1206	1	100	500	1000	
MHL Series							
660-MHL1ECTTP-Code-J	1μH - 100μH	0402	1	100	500	1000	
660-MHL1JCTTD-Code-J	1μH - 220μH	0603	1	100	500	1000	



RoHS Compliant

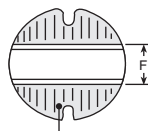


Size	Dimensions: in. (mm)			
	L	W	t	d (Max.)
(0603)	.063±.006 (1.6±0.15)	.031±.006 (0.8±0.15)	.031±.006 (0.8±0.15)	.014±.006 (0.36±0.15)
(1206)	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.043±.008 (1.1±0.2)	.02±.01 (0.51±0.25)
(0402)	.039±.004 (1.0±0.1)	.02±.004 (0.5±0.1)	.02±.004 (0.5±0.1)	.01±.004 (0.25±0.1)
(0805)	.079±.008 (2.0±0.2)	.049±.008 (1.25±0.2)	.035±.012<=39nH (0.9±0.3)	.02±.012 (0.50±0.3)
			.039±.012>39nH (1.0±0.3)	
			.035±.012<=39nH (0.9±0.3)	

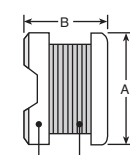
LPC, SDR SERIES

Features for LPC:

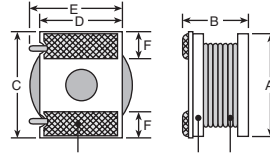
- Small size allows for high mounting density
- Suitable for reflow soldering
- Large DC current capacity with low DC resistance
- Polarity identification available
- Marking: Black body color with no marking



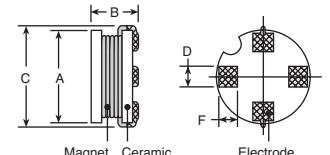
SDR Series



Ceramic Substrate Magnet Wire



4045, 10065, 12005, LPC Series



Magnet Wire Ceramic Substrate Electrode

Features for SDR:

- Suitable for reflow soldering
- High current capability up to 2 Amps
- Low DCR
- Marking: Black body color with black marking

MOUSER STOCK NO.	Inductance Value	Size	Price Each				Reel
			1	100	500	1000	
LPC Series							
660-LPC4045A-Code-M	1μH - 680μH	4045					
660-LPC9040A-Code-K	10μH - 680μH	9040					
660-LPC10065A-Code-M	0.68μH - 3300μH	10065	1	100	300	600	
660-LPC10065A-Code-K	10μH - 680μH	10065	1	100	300	600	
660-LPC12065A-Code-N	0.68μH - 470μH	12065	1	100	300	600	
660-LPC12065A-Code-M	3.3μH - 6.8μH	12065	1	100	300	600	
660-LPC12065A-Code-K	10μH - 47μH	12065	1	100	300	600	
SDR Series							
660-SDR0805T-Code-M	10μH - 27μH	0805	1	100	500	1000	
660-SDR0805T-Code-K	33μH - 470μH	0805	1	100	500	1000	
660-SDR1006T-Code-M	10μH - 27μH	1006	1	100	500	1000	
660-SDR1006T-Code-K	33μH - 820μH	1006	1	100	500	1000	



RoHS Compliant

SDR Series

9040 LPC Series

Size Code	Dimensions: in. (mm)		
	A	B	F (Typ.)
0604	.220±.008 (5.6±0.2)	.177±.012 (4.5±0.3)	0.071 (1.8)
0805	.295±.012 (7.5±0.3)	.197±.012 (5.0±0.3)	0.102 (2.6)
1006	.374±.012 (9.5±0.3)	.217±.012 (5.5±0.3)	0.114 (2.9)

LPC Series

Size Code	Dimensions: in. (mm)					
	A	B	C	D	E	F
4045	0.157±.008 (4.0±0.2)	.169±.009 (4.3±0.2)	.177±.008 (4.5±0.2)	.118±.008 (3.0±0.2)	.138 (3.5)	.039±.012 (1.0±0.3)
9040	0.354±.004 (9.0±0.1)	.193 Max. (4.9 Max.)	.402 Max. (10.2 Max.)	.079±.008 (2.0±0.2)	—	.071±.008 (1.8±0.2)
10065	0.394±.008 (10.0±0.2)	.295 Max. (7.5 Max.)	.409±.008 (10.4±0.2)	.315±.008 (8.0±0.2)	0.354 (9.0)	.098±.008 (2.5±0.2)
12065	0.472±.008 (12.0±0.2)	.295 Max. (7.5 Max.)	.488±.008 (12.4±0.2)	.472±.008 (12.0±0.2)	.433 (11.0)	.146±.012 (3.7±0.3)

KOA SPEER High Q and Wirewound Inductors



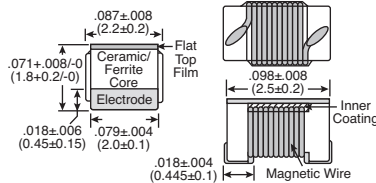
RoHS Compliant This product is RoHS compliant.

1008 KQ HIGH Q INDUCTORS

1008 Case Size

Features:

- Surface mount
- Flat top suitable for high speed pick-and-place components
- Excellent high frequency applications
- High Q factors and self-resonant frequency values
- Marking: Black body color with white marking



For quantities greater than listed, call for quote.

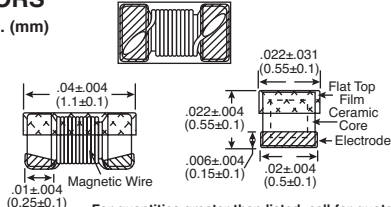
MOUSER STOCK NO.		Nominal Inductance Value (nH)	L Measuring Frequency (MHz)	Tol. ±	Q Quality Factor Minimum	SRF Min. (MHz)	Price Each				
Mfr.	Mfr. Part No.						1	10	100	500	1000
660	KQ1008TTE15NJ	15	50	5%	50	3000					
660	KQ1008TTE18NJ	18	50	5%	50	2500					
660	KQ1008TTE82NG	82	50	2%	60	1000					
660	KQ1008TTER10G	100	25	2%	60	1000					

0402 KQ HIGH Q INDUCTORS

0402 Case Size DIMENSIONS: in. (mm)

Features:

- Surface mount
- Flat top suitable for high speed pick-and-place components
- Excellent high frequency applications
- High Q factors and self-resonant frequency values
- Marking: White body color with no marking



For quantities greater than listed, call for quote.

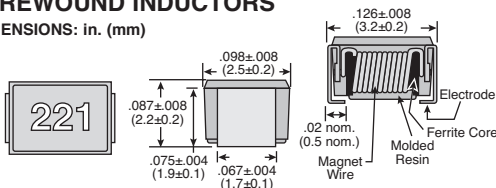
MOUSER STOCK NO.		Nominal Inductance Value (nH)	L Measuring Freq. (MHz)	Tol. ±	Q Quality Factor Min.	SRF Min. (MHz)	Price Each				
Mfr.	Mfr. Part No.						1	10	100	500	1000
660	KQT0402TTD3N3J	3.3	250	5%	19	6000					
660	KQT0402TTD3N6J	3.6	250	5%	19	6000					
660	KQT0402TTD3N9J	3.9	250	5%	19	5800					
660	KQT0402TTD5N1J	5.1	250	5%	20	5800					
660	KQT0402TTD5N6J	5.6	250	5%	20	5800					
660	KQT0402TTD6N2J	6.2	250	5%	20	5800					
660	KQT0402TTD7N5J	7.5	250	5%	22	5800					
660	KQT0402TTD8N2J	8.2	250	5%	22	4400					
660	KQT0402TTD9N0J	9	250	5%	22	4160					
660	KQT0402TTD10NJ	10	250	5%	21	3900					
660	KQT0402TTD11NJ	11	250	5%	24	3680					
660	KQT0402TTD12NJ	12	250	5%	24	3600					
660	KQT0402TTD15NJ	15	250	5%	24	3280					
660	KQT0402TTD19NJ	19	250	5%	24	3040					
660	KQT0402TTD23NJ	23	250	5%	24	2720					
660	KQT0402TTD27NJ	27	250	5%	24	2480					
660	KQT0402TTD40NJ	40	250	5%	24	2240					
660	KQT0402TTD47NJ	47	250	5%	20	2100					
660	KQT0402TTD56NJ	56	250	5%	25	2800					

KL32 MOLDED WIREWOUND INDUCTORS

1210 Case Size DIMENSIONS: in. (mm)

Features:

- UL94V-0 molded epoxy case
- Suitable for reflow and wave soldering
- 1210 size - surface mount style
- High Q value achieved by wirewound structure
- Marking: Black body color with white marking



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Nominal Inductance Value (nH)	L Measuring Frequency (MHz)	Tol. ±	Q Quality Factor Minimum	SRF Min. (MHz)	Price Each				
Mfr.	Mfr. Part No.						1	10	100	500	1000
660	KL32TTE047J	0.047	100	5	26	1200					
660	KL32TTE082J	0.082	100	5	27	900					
660	KL32TTER10J	0.1	100	5	28	700					
660	KL32TTER12J	0.12	25.2	5	30	500					
660	KL32TTER33J	0.33	25.2	5	30	300					
660	KL32TTER56J	0.56	25.2	5	30	180					
660	KL32TTER82J	0.82	25.2	5	30	140					
660	KL32TTE1R0J	1	7.96	5	30	120					
660	KL32TTE1R8J	1.8	7.96	5	30	80					
660	KL32TTE2R2J	2.2	7.96	5	30	75					
660	KL32TTE4R7J	4.7	7.96	5	30	50					
660	KL32TTE6R8J	6.8	7.96	5	30	43					
660	KL32TTE8R2J	8.2	7.96	5	30	40					
660	KL32TTE100J	10	2.52	5	30	36					
660	KL32TTE120J	12	2.52	5	30	33					
660	KL32TTE150J	15	2.52	5	30	30					
660	KL32TTE180J	18	2.52	5	30	27					
660	KL32TTE220J	22	2.52	5	30	25					
660	KL32TTE270J	27	2.52	5	30	20					
660	KL32TTE470J	47	2.52	5	30	15					
660	KL32TTE680J	68	2.52	5	30	12					
660	KL32TTE101J	100	0.796	5	20	10					
660	KL32TTE331J	330	0.796	5	20	5					

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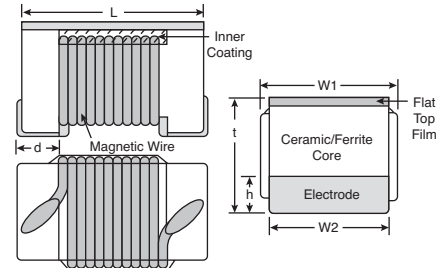
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Nominal Inductance Value (nH)	L Measuring Frequency (MHz)	Tol. ±	Q Quality Factor Minimum	SRF Min. (MHz)	Price Each				
Mfr.	Mfr. Part No.						1	10	100	500	1000
660	KQ1008TTER12G	120	25	2%	60	950					
660	KQ1008TTER15G	150	25	2%	45	850					
660	KQ1008TTER22G	220	25	2%	45	700					
660	KQ1008TTER27G	270	25	2%	45	600					
660	KQ1008TTER56G	560	25	2%	45	415					
660	KQ1008TTER82G	820	25	2%	45	350					
660	KQ1008TTE1R0G	1000	25	2%	35	290					
660	KQ1008TTE1R2G	1200	7.9	2%	35	250					
660	KQ1008TTE1R5G	1500	7.9	2%	28	200					
660	KQ1008TTE2R2G	2200	7.9	2%	28	160					
660	KQ1008TTE2R7G	2700	7.9	2%	22	140					
660	KQ1008TTE3R9G	3900	7.9	2%	20	100					
660	KQ1008TTE6R8G	6800	7.9	2%	15	70					
660	KQ1008TTE8R2G	8200	7.9	2%	15	65					

0603 AND 0805 KQ HIGH Q INDUCTORS

Features:

- Surface mount
- Flat top suitable for high speed pick-and-place components
- Excellent high frequency applications
- High Q factors and self-resonant frequency values
- Marking: Black body color with white marking



Size Code	DIMENSIONS: in. (mm)					
	L	W1	W2	t	h	d
0603	.063±.004 (1.6±0.1)	.039±.004 (1.0±0.1)	.033±.004 (0.85±0.1)	.035±.004 (0.9±0.1)	.01±.006 (0.25±0.15)	.014±.004 (0.35±0.1)
0805	.079±.008 (2.0±0.2)	.059±.008 (1.5±0.2)	.053±.004 (1.35±0.1)	.051±.008 (1.3±0.2)	.016±.006 (0.40±0.15)	.018±.004 (1.45±0.1)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Nominal Inductance Value (nH)	L Measuring Freq. (MHz)	Tol. ±	Q Quality Factor Min.	SRF Min. (MHz)	Price Each					
Mfr.	Mfr. Part No.						1	10	100	500	1000	
0603 Case Size												
660	KQ0603TTE1N6J	1.6	250	5%	24	12,500						
660	KQ0603TTE1N8J	1.8	250	5%	16	12,500						
660	KQ0603TTE3N6J	3.6	250	5%	22	6900						
660	KQ0603TTE3N9J	3.9	250	5%	22	6900						
660	KQ0603TTE7N5G	7.5	250	2%	28	4800						
660	KQ0603TTE8N7G	8.7	250	2%	28	4600						
660	KQ0603TTE10NG	10	250	2%	31	4800						
660	KQ0603TTE11NG	11	250	2%	33	4000						
660	KQ0603TTE12NG	12	250	2%	35	4000						
660	KQ0603TTE15NG	15	250	2%	35	4000						
660	KQ0603TTE16NG	16	250	2%	34	3300						
660	KQ0603TTE22NG	22	250	2%	38	3000						
660	KQ0603TTE24NG	24	250	2%	37	2650						
660	KQ0603TTE30NG	30	250	2%	37	2250						
660	KQ0603TTE33NG	33	250	2%	40	2300						
660	KQ0603TTE36NG	36	250	2%	38	2080						
660	KQ0603TTE39NG	39	250	2%	40	2200						
660	KQ0603TTE56NG	56	200	2%	38	1900						
660	KQ0603TTE68NG	68	200	2%	37	1700						
660	KQ0603TTE72NG	72	150	2%	34	1700						
660	KQ0603TTE82NG	82	150	2%	34	1700						
660	KQ0603TTER10G	100	150	2%	34	1400						
660	KQ0603TTER11G	110	150	2%	32	1350						
660	KQ0603TTER12G	120	150	2%	32	1300						
660	KQ0603TTER15G	150	150	2%	32	1400						
660	KQ0603TTER18G	180	100	2%	25	1300						
660	KQ0603TTER22G	220	100	2%	25	1200						
660	KQ0603TTER27G	270	100	2%	24	900						
660	KQ0603TTER39G	390	100	2%	30	700						
0805 Case Size												
660	KQ0805TTE8N2J	8.2	250	5%	50	4700						
660	KQ0805TTE12NJ	12	250	5%	50	4000						
660	KQ0805TTE15NJ	15	250	5%	50	3400						
660	KQ0805TTE22NJ	22	250	5%	55	2600						
660	KQ0805TTE39NJ	39	250	5%	60	2000						
660	KQ0805TTE68NG	68	200	2%	60	1450						
660	KQ0805TTE82NG	82	150	2%	65	1300						
660	KQ0805TTER12G	120	150	2%	50	1100						
660	KQ0805TTER15G	150	100	2%	50	920						
660	KQ0805TTER18G	180	100	2%	50	870			</			

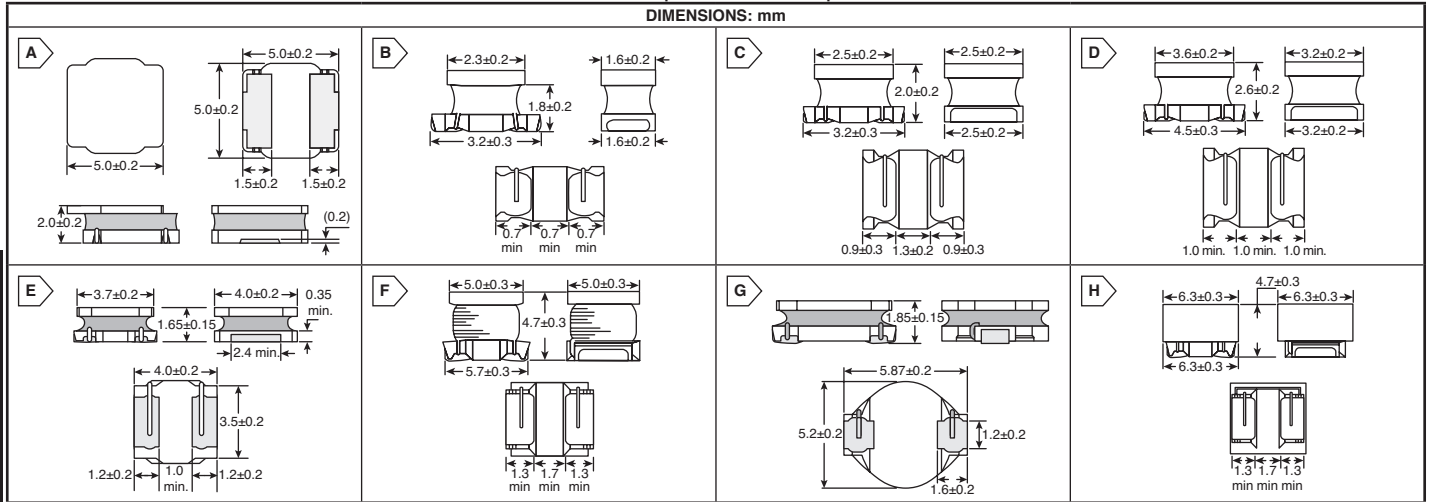
MURATA SMD Inductors



This product is RoHS compliant.



DIMENSIONS: mm



LQH SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (μH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.						1	50	100		
LQH5BP Series 2020 Case Size											
81	LQH5BPNR47NT0L0L	A	0.47	30%	0.012	7.7				500	
81	LQH5BPN1R0NT0L0L	A	1.0	30%	0.019	5.8				500	
81	LQH5BPN1R2NT0L0L	A	1.2	30%	0.019	5.4				500	
81	LQH5BPN1R5NT0L0L	A	1.5	30%	0.024	5				500	
81	LQH5BPN2R2NT0L0L	A	2.2	30%	0.03	4				500	
81	LQH5BPN2R7NT0L0L	A	2.7	30%	0.035	3.8				500	
81	LQH5BPN3R3NT0L0L	A	3.3	30%	0.044	3.5				500	
81	LQH5BPN4R7NT0L0L	A	4.7	30%	0.058	3				500	
81	LQH5BPN6R8NT0L0L	A	6.8	30%	0.083	2.5				500	
81	LQH5BPN100MT0L0L	A	10	20%	0.106	2				500	
81	LQH5BPN150MT0L0L	A	15	20%	0.187	1.6				500	
81	LQH5BPN220MT0L0L	A	22	20%	0.259	1.4				500	
LQH31M Series 1206 Case Size											
81	LQH31MN100K03L	B	10	10%	2.5	100				2000	
81	LQH31MN220J03L	B	22	5%	3.1	85				2000	
81	LQH31MN470K03L	B	47	10%	8	55				2000	
LQH32C Series 1210 Case Size											
81	LQH32CN1R0M03L	C	1	20%	0.09	800				2000	
81	LQH32CN1R0M53L	C	1	20%	0.060	1000				2000	
81	LQH32CN2R2M23L	C	2.2	20%	0.13	600				2000	
81	LQH32CN2R2M33L	C	2.2	20%	0.13	600				2000	
81	LQH32CN2R2M53L	C	2.2	20%	0.13	600				2000	
81	LQH32CN4R7M23L	C	4.7	20%	0.20	450				2000	
81	LQH32CN4R7M33L	C	4.7	20%	0.20	450				2000	
81	LQH32CN4R7M53L	C	4.7	20%	0.20	450				2000	
81	LQH32CN100K23L	C	10	10%	0.44	300				2000	
81	LQH32CN100K33L	C	10	10%	0.44	300				2000	
81	LQH32CN100K53L	C	10	10%	0.44	300				2000	
81	LQH32CN220K23L	C	22	10%	0.71	250				2000	
81	LQH32CN220K53L	C	22	10%	0.71	250				2000	
81	LQH32CN330K53L	C	33	10%	1.1	200				2000	
81	LQH32CN470K23L	C	47	10%	1.3	170				2000	
81	LQH32CN470K53L	C	47	10%	1.3	170				2000	
81	LQH32CN101K23L	C	100	10%	3.5	100				2000	
81	LQH32CN101K53L	C	100	10%	3.5	100				2000	
81	LQH32CN221K23L	C	220	10%	8.40	70				2000	
81	LQH32CN331K23L	C	330	10%	10.00	60				2000	
81	LQH32CN471K23L	C	470	10%	19	60				2000	
81	LQH32CN561K23L	C	560	10%	22	60				2000	
LQH32M Series 1210 Case Size											
81	LQH32MN1R5K23L	C	1.5	10%	0.6	400				2000	
81	LQH32MN100J23L	C	10	5%	1.8	190				2000	
81	LQH32MN100K23L	C	10	10%	1.8	190				2000	
81	LQH32MN220J23L	C	22	5%	2.8	150				2000	
81	LQH32MN220K23L	C	22	10%	2.8	150				2000	
81	LQH32MN330J23L	C	33	5%	3.5	115				2000	
81	LQH32MN470J23L	C	47	5%	4.3	170				2000	
81	LQH32MN820J23L	C	82	5%	6.2	70				2000	
81	LQH32MN101J23L	C	100	5%	7.0	80				2000	
81	LQH32MN101K23L	C	100	10%	7.0	80				2000	
81	LQH32MN151J23L	C	150	5%	9.3	70				2000	
81	LQH32MN221J23L	C	220	5%	11.8	65				2000	
81	LQH32MN221K23L	C	220	10%	11.8	65				2000	
LQH43C Series 1812 Case Size											
81	LQH43CN1R0M03L	D	1	20%	0.08	1080				500	
81	LQH43CN2R2M03L	D	2.2	20%	0.11	900				500	
81	LQH43CN3R3M03L	D	3.3	20%	0.13	800				500	
81	LQH43CN4R7M03L	D	4.7	20%	0.15	750				500	
81	LQH43CN100K03L	D	10	10%	0.24	650				500	
81	LQH43CN150K03L	D	15	10%	0.32	570				500	
81	LQH43CN220K03L	D	22	10%	0.60	420				500	
81	LQH43CN330K03L	D	33	10%	1.0	310				500	
81	LQH43CN470K03L	D	47	10%	1.1	280				500	
81	LQH43CN101K03L	D	100	10%	2.2	190				500	
81	LQH43CN221K03L	D	220	10%	4.0	110				500	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Value (μH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.						1	50	100		
LQH43M Series 1812 Case Size											
81	LQH43MN1R0M03L	D	1	20%	0.20	500				500	
81	LQH43MN4R7K03L	D	4.7	10%	0.40	500				500	
81	LQH43MN100J03L	D	10	5%	0.56	400				500	
81	LQH43MN100K03L	D	10	10%	0.56	400				500	
81	LQH43MN220K03L	D	22	10%	0.94	320				500	
81	LQH43MN330K03L	D	33	10%	1.2	270				500	
81	LQH43MN470J03L	D	47	5%	1.5	220				500	
81	LQH43MN470K03L	D	47	10%	1.5	220				500	
81	LQH43MN101J03L	D	100	5%	2.5	160				500	
81	LQH43MN101K03L	D	100	10%	2.5	160				500	
81	LQH43MN221J03L	D	220	5%	5.4	110				500	
81	LQH43MN561K03L	D	560	10%	14.5	70				500	
81	LQH43MN681J03L	D	680	5%	17	65				500	
81	LQH43MN102J03L	D	1000	5%	25	50				500	
81	LQH43MN102K03L	D	1000	10%	25	50				500	
LQH44PP 1515 Case Size											
81	LQH44PN1R0NP0L	E	1	30%	0.03	2450				1000	
81	LQH44PN2R2MP0L	E	2.2	20%	0.049	1800				1000	
81	LQH44PN3R3MP0L	E	3.3	20%	0.065	1770				1000	
81	LQH44PN4R7MP0L	E	4.7	20%	0.08	1700				1000	
81	LQH44PN6R8MP0L	E	6.8	20%	0.12	1340				1000	
81	LQH44PN100MP0L	E	10	20%	0.16	1170				1000	
81	LQH44PN220MP0L	E	22	20%	0.37	790				1000	
81	LQH44PN1R0NJ0L	E	1	30%	0.048	1530				2000	
81	LQH44PN1R5MJ0L	E	2	20%	0.061	1380				2000	
81	LQH44PN2R2MJ0L	E	2.2	20%	0.074	1230				2000	
81	LQH44PN3R3MJ0L	E	3.3	20%	0.088	1000				2000	
81	LQH44PN4R7MJ0L	E	4.7	20%	0.117	980				2000	
81	LQH44PN6R8MJ0L	E	6.8	20%	0.143	860				2000	
81	LQH44PN100MJ0L	E	10	20%	0.207	790				2000	
81	LQH44PN150MJ0L	E	15	20%	0.385	610				2000	
81	LQH44PN220MJ0L	E	22	20%	0.480	550				2000	
81	LQH44PN330MJ0L	E	33	20%	0.740	430				2000	
81	LQH44PN470MJ0L	E	47	20%	1.014	380				2000	
LQH55D Series 2220 Case Size											
81	LQH55DN1R0M03L	F	1	20%	0.019	4000				350	
81	LQH55DN2R2M03L	F	2.2	20%	0.029	3200				350	
81	LQH55DN3R3M03L	F	3.3	20%	0.036	2900				350	
81	LQH55DN4R7M03L	F	4.7	20%	0.041	2700				350	
81	LQH55DN6R8M03L	F	6.8	20%	0.074	2000				350	
81	LQH55DN100M03L	F	10	20%	0.093	1700				350	
81	LQH55DN220M03L	F	22	20%	0.19	1200				350	
81	LQH55DN330M03L	F	33	20%	0.32	900				350	
81	LQH55DN470M03L	F	47	20%	0.40	800				350	
81	LQH55DN101M03L	F	100	20%	0.86	560				350	
81	LQH55DN102M03L	F	1000	20%	10.3	150				350	
81	LQH55DN222M03L	F	2200	20%	21.5	100				350	
81	LQH55DN103M03L	F	10000	20%	100	50				350	
LQH55PP 2220 Case Size											
81	LQH55PN1R2NR0L	G	1.2	30%	0.021	2900				500	
81	LQH55PN2R2NR0L	G	2.2	30%	0.031	2500				500	
81	LQH55PN2R7NR0L	G									

MURATA SMD Inductors



This product is RoHS compliant.

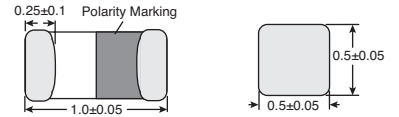


LQG HIGH FREQUENCY MULTILAYER TYPE AIR CORE COIL

The LQG15HS series are chip inductors specifically designed for high frequency applications. The LQG15HS series is designed to realize stable characteristics in high frequency range applying integrated multilayer process.

Applications:

- High frequency circuits of mobile phones such as PA, ANT, VCO, SAW, etc.
- Mobile phones such as GSM, CDMA, PDC, etc.
- "Bluetooth"
- W-LAN
- High frequency circuits in general



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (nH)	DCR (max)	Rated Current (mA)	Price Each		Reel Qty.	Price Per Piece
					1	100		
LQG15H Series 0402 Case Size								
81-LQG15HS1N0S02D	LQG15HS1N0S02D	1.0	0.07	300			10000	
81-LQG15HS1N2S02D	LQG15HS1N2S02D	1.2	0.09	300			10000	
81-LQG15HS1N5S02D	LQG15HS1N5S02D	1.2	0.09	300			10000	
81-LQG15HS1N8S02D	LQG15HS1N8S02D	1.5	0.1	300			10000	
81-LQG15HS1N8S02D	LQG15HS1N8S02D	1.8	0.1	300			10000	
81-LQG15HS2N2S02D	LQG15HS2N2S02D	2.2	0.12	300			10000	
81-LQG15HS2N2S02D	LQG15HS2N2S02D	2.2	0.12	300			10000	
81-LQG15HS2N7S02D	LQG15HS2N7S02D	2.7	0.15	300			10000	
81-LQG15HS2N7S02D	LQG15HS2N7S02D	2.7	0.15	300			10000	
81-LQG15HS3N3S02D	LQG15HS3N3S02D	3.3	0.17	300			10000	
81-LQG15HS3N3S02D	LQG15HS3N3S02D	3.3	0.17	300			10000	
81-LQG15HS3N9S02D	LQG15HS3N9S02D	3.9	0.18	300			10000	
81-LQG15HS3N9S02D	LQG15HS3N9S02D	3.9	0.18	300			10000	
81-LQG15HS4N7S02D	LQG15HS4N7S02D	4.7	0.18	300			10000	
81-LQG15HS4N7S02D	LQG15HS4N7S02D	4.7	0.18	300			10000	
81-LQG15HS5N6S02D	LQG15HS5N6S02D	5.6	0.2	300			10000	
81-LQG15HS5N6S02D	LQG15HS5N6S02D	5.6	0.2	300			10000	
81-LQG15HS6N8J02D	LQG15HS6N8J02D	6.8	0.24	300			10000	
81-LQG15HS6N8J02D	LQG15HS6N8J02D	6.8	0.24	300			10000	
81-LQG15HS7N5J02D	LQG15HS7N5J02D	7.5	0.24	300			10000	
81-LQG15HS7N5J02D	LQG15HS7N5J02D	7.5	0.24	300			10000	
81-LQG15HS8N2J02D	LQG15HS8N2J02D	8.2	0.24	300			10000	
81-LQG15HS8N2J02D	LQG15HS8N2J02D	8.2	0.24	300			10000	
81-LQG15HS10NJ02D	LQG15HS10NJ02D	10	0.26	300			10000	
81-LQG15HS10NJ02D	LQG15HS10NJ02D	10	0.26	300			10000	
81-LQG15HS12NJ02D	LQG15HS12NJ02D	12	0.28	300			10000	
81-LQG15HS12NJ02D	LQG15HS12NJ02D	12	0.28	300			10000	
81-LQG15HS15NJ02D	LQG15HS15NJ02D	15	0.32	300			10000	
81-LQG15HS15NJ02D	LQG15HS15NJ02D	15	0.32	300			10000	
81-LQG15HS18NJ02D	LQG15HS18NJ02D	18	0.36	300			10000	
81-LQG15HS22NJ02D	LQG15HS22NJ02D	22	0.42	300			10000	
81-LQG15HS22NJ02D	LQG15HS22NJ02D	22	0.42	300			10000	
81-LQG15HS27NJ02D	LQG15HS27NJ02D	27	0.46	300			10000	
81-LQG15HS33NJ02D	LQG15HS33NJ02D	33	0.58	200			10000	
81-LQG15HS33NJ02D	LQG15HS33NJ02D	33	0.58	200			10000	
81-LQG15HS39NJ02D	LQG15HS39NJ02D	39	0.65	200			10000	
81-LQG15HS39NJ02D	LQG15HS39NJ02D	39	0.65	200			10000	
81-LQG15HS47NJ02D	LQG15HS47NJ02D	47	0.72	200			10000	

For quantities greater than listed, call for quote.

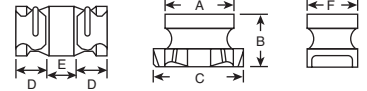
MOUSER STOCK NO.	Murata Part No.	Value (nH)	DCR (max)	Rated Current (mA)	Price Each		Reel Qty.	Price Per Piece
					1	100		
LQG15H Series 0402 Case Size (Cont.)								
81-LQG15HS56NJ02D	LQG15HS56NJ02D	56	0.82	200			10000	
81-LQG15HS68NJ02D	LQG15HS68NJ02D	68	0.92	180			10000	
81-LQG15HS68NJ02D	LQG15HS68NJ02D	68	0.92	180			10000	
81-LQG15HS82NJ02D	LQG15HS82NJ02D	82	1.25	150			10000	
81-LQG15HSR10J02D	LQG15HSR10J02D	100	1.25	150			10000	
81-LQG15HSR12J02D	LQG15HSR12J02D	120	1.3	150			10000	
81-LQG15HSR15J02D	LQG15HSR15J02D	150	2.99	140			10000	
81-LQG15HSR18J02D	LQG15HSR18J02D	180	3.38	130			10000	
81-LQG15HSR22J02D	LQG15HSR22J02D	220	3.77	120			10000	
81-LQG15HSR27J02D	LQG15HSR27J02D	270	4.94	110			10000	
LQG18H Series 0603 Case Size								
81-LQG18HN1N2S00D	LQG18HN1N2S00D	1.2	0.1	300			4000	
81-LQG18HN1N5S00D	LQG18HN1N5S00D	1.5	0.1	300			4000	
81-LQG18HN1N8S00D	LQG18HN1N8S00D	1.8	0.1	300			4000	
81-LQG18HN2N2S00D	LQG18HN2N2S00D	2.2	0.1	300			4000	
81-LQG18HN2N7S00D	LQG18HN2N7S00D	2.7	0.15	300			4000	
81-LQG18HN3S3S00D	LQG18HN3S3S00D	3.3	0.15	300			4000	
81-LQG18HN3N9S00D	LQG18HN3N9S00D	3.9	0.15	300			4000	
81-LQG18HN4N7S00D	LQG18HN4N7S00D	4.7	0.2	300			4000	
81-LQG18HN5N6S00D	LQG18HN5N6S00D	5.6	0.2	300			4000	
81-LQG18HN6N8J00D	LQG18HN6N8J00D	6.8	0.25	300			4000	
81-LQG18HN6N8J00D	LQG18HN6N8J00D	6.8	0.25	300			4000	
81-LQG18HN8N2J00D	LQG18HN8N2J00D	8.2	0.25	300			4000	
81-LQG18HN8N2J00D	LQG18HN8N2J00D	8.2	0.25	300			4000	
81-LQG18HN10NJ00D	LQG18HN10NJ00D	10	0.3	300			4000	
81-LQG18HN12NJ00D	LQG18HN12NJ00D	12	0.35	300			4000	
81-LQG18HN15NJ00D	LQG18HN15NJ00D	15	0.4	300			4000	
81-LQG18HN18NJ00D	LQG18HN18NJ00D	18	0.45	300			4000	
81-LQG18HN22NJ00D	LQG18HN22NJ00D	22	0.5	300			4000	
81-LQG18HN27NJ00D	LQG18HN27NJ00D	27	0.55	300			4000	
81-LQG18HN33NJ00D	LQG18HN33NJ00D	33	0.6	300			4000	
81-LQG18HN39NJ00D	LQG18HN39NJ00D	39	0.65	300			4000	
81-LQG18HN47NJ00D	LQG18HN47NJ00D	47	0.7	300			4000	

LQH SERIES CHOKE WINDING TYPE FERRITE CORE

DIMENSIONS: mm

The LQH31C series consists of miniature chip inductors with low DC resistance, high current capacity, and high impedance characteristics. It is suitable for use as choke coils in DC power supply circuits.

Series	A	B	C	D	E	F
LQH31CN	2.3±0.2	1.8±0.2	3.2±0.3	0.7 Min.	0.7 Min.	1.6±0.2
LQH32CN	2.5±0.2	2.0±0.2	3.2±0.3	0.9±0.3	1.3±0.2	2.5±0.2



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (nH)	Tol. (%)	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
1206											
81-LQH31CN1R0M03L			1.0	20	0.28	510				2000	
81-LQH31CN2R2M03L			2.2	20	0.41	430				2000	
81-LQH31CN10K03L			10	10	1.3	230				2000	
81-LQH31CN47K03L			47	10	8	100				2000	
81-LQH31CN101K03L			100	10	12	80				2000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Value (nH)	Tol. (%)	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
							1	50	100		
1210											
81-LQH32CNR15M33L			0.15	20	0.028	1450				2000	
81-LQH32CNR47M33L			0.47	20	0.042	1100				2000	
81-LQH32CNR10M23L			1.0	20	0.09	800				2000	

PLA10 SERIES - COMMON MODE CHOKE COILS

Features:

- Compact and lightweight
- Low profile in vertical core layout
- Both a standard winding type and a sectional winding for higher frequency noise is available

Specifications:

- Operating Temperature Range: -25°C to 60°C



* Safety standards: EN60065

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Fig.	Common Mode Inductance (min.) (mH)	Rated Voltage (V)	Rated Current (A)	Price Each		
							1	10	25
Standard Winding									
81-PLA10AN1522R0R2B			A	1.5	300	2.0			
81-PLA10AN2221R5R2B			A	2.2	300	1.5			
81-PLA10AN3021R3R2B			A	3.0	300	1.3			
81-PLA10AN3521R2R2B			A	3.5	300	1.2			
81-PLA10AN5521R0R2B			A	5.5	300	1.0			
81-PLA10AN7420R8R2B			A	7.4	300	0.8			
81-PLA10AN1030R7R2B			A	10.0	300	0.7			
81-PLA10AN2030R5R2B			A	20.0	300	0.5			
81-PLA10AN3030R4R2B			A	30.0	300	0.4			
81-PLA10AN4330R3R2B			A	43.0	300	0.3			
* 81-PLA10AS1522R0R2B			A	1.5	250	2.0			
* 81-PLA10AS1821R7R2B			A	1.8	250	1.7			
* 81-PLA10AS1030R7R2B			A	10.0	250	0.7			
* 81-PLA10AS1230R6R2B			A	12.0	250	0.6			
* 81-PLA10AS3030R4R2B			A	30.0	250	0.4			
Sectional Winding									
81-PLA10AN9012R0D2B			B	0.9	300	2.0			
81-PLA10AN1321R7D2B			B	1.3	300	1.7			
81-PLA10AN1821R5D2B			B	1.8	300	1.5			
81-PLA10AN3621R0D2B			B	3.6	300	1.0			
81-PLA10AN7720R7D2B			B	7.7	300	0.7			
81-PLA10AN1330R5D2B			B	13.0	300	0.5			
81-PLA10AN2230R4D2B			B	22.0	300	0.4			
81-PLA10AN3630R3D2B	</								

MURATA SMD Inductors

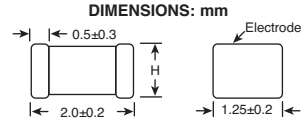
RoHS Compliant This product is RoHS compliant.



LQM SERIES MULTILAYER TYPE FOR CHOKE FERRITE CORE

The LQM21D series consists of magnetically shielded chip inductors. It has less than half the DC resistance of our conventional monolithic chip inductors as well as high inductance.

Inductance	Dimension of H
1.0 to 10 μ H	0.85 \pm 0.2
22 to 47 μ H	1.25 \pm 0.2

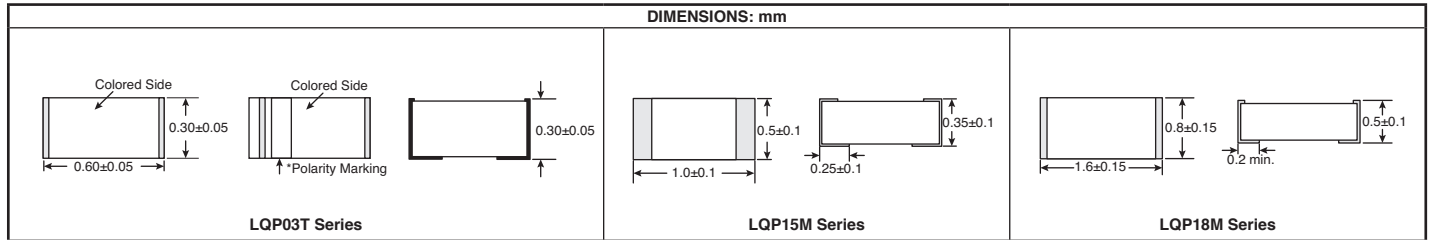


RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (nH)	Tol. (%)	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
						1	50	100		
0603										
81-LQM18NN47NM00D	LQM18NN47NM00D	47nH	20	0.30	50				4000	
81-LQM18NNR10K00D	LQM18NNR10K00D	0.10	10	0.50	50				4000	
81-LQM18NNR56K00D	LQM18NNR56K00D	0.56	10	1.55	35				4000	
81-LQM18NN2R2K00D	LQM18NN2R2K00D	2.20	10	1.15	15				4000	
0805										
81-LQG21NR10K10	LQM21NNR10K10D	0.10	10	0.26	250				4000	
81-LQG21NR15K10	LQM21NNR15K10D	0.15	10	0.32	250				4000	
81-LQM21NNR18K10D	LQM21NNR18K10D	0.18	10	0.35	250				4000	
81-LQG21NR22K10	LQM21NNR22K10D	0.22	10	0.38	250				4000	
81-LQG21NR39K10	LQM21NNR39K10D	0.39	10	0.53	200				4000	
81-LQG21NR47K10	LQM21NNR47K10D	0.47	10	0.57	200				4000	
81-LQG21NR56K10	LQM21NNR56K10D	0.56	10	0.63	150				4000	
81-LQM21NNR68K10D	LQM21NNR68K10D	0.68	10	0.72	150				4000	
81-LQG21NR82K10	LQM21NNR82K10D	0.82	10	0.81	150				4000	
81-LQM21FN1R0N00D	LQM21FN1R0N00D	1.0	30	0.40	50				4000	
81-LQG21C1R0N00	LQM21DN1R0N00D	1.0	30	0.10	60				4000	
81-LQG21N1R0K10	LQM21NN1R0K10D	1.0	10	0.40	50				4000	
81-LQG21N1R2K10	LQM21NN1R2K10D	1.2	10	0.47	50				4000	
81-LQG21N1R5K10	LQM21NN1R5K10D	1.5	10	0.50	50				4000	
81-LQG21C2R2N00	LQM21DN2R2N00D	2.2	30	0.17	40				4000	
81-LQG21N2R2K10	LQM21NN2R2K10D	2.2	10	0.63	30				4000	
81-LQG21N2R7K10L	LQM21NN2R7K10L	2.7	10	0.69	30				3000	
81-LQG21N3R3K10L	LQM21NN3R3K10L	3.3	10	0.80	30				3000	
81-LQM21FN4R7N00L	LQM21FN4R7N00L	4.7	30	0.30	80				3000	
81-LQG21C4R7N00	LQM21DN4R7N00D	4.7	30	0.30	30				4000	
81-LQG21N4R7K10	LQM21NN4R7K10L	4.7	10	1.00	30				3000	
81-LQM21FN100N00L	LQM21FN100N00L	10	30	0.50	60				3000	
81-LQG21C100N00	LQM21DN100N00D	10	30	0.50	15				4000	
81-LQG21C220N00	LQM21DN220N00L	22	30	0.65	13				3000	

Murata Inductors



LQP SERIES HIGH FREQUENCY FILM TYPE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Value (nH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
						1	50	100		
LQP03T Series 0201 Case Size										
81-LQP03TN1N0C00D		1	0.2nH	0.10	400				10000	
81-LQP03TN1N0C02D		1	0.2nH	0.10	750				15000	
81-LQP03TN1N1C02D		1.1	0.2nH	0.10	750				15000	
81-LQP03TN1N2C02D		1.2	0.2nH	0.10	750				15000	
81-LQP03TN1N3C02D		1.3	0.2nH	0.15	600				15000	
81-LQP03TN1N5B00D		1.5	0.1nH	0.16	280				10000	
81-LQP03TN1N5C02D		1.5	0.2nH	0.15	600				15000	
81-LQP03TN1N6C02D		1.6	0.2nH	0.15	600				15000	
81-LQP03TN1N8C00D		1.8	0.2nH	0.16	280				10000	
81-LQP03TN1N8C02D		1.8	0.2nH	0.15	600				15000	
81-LQP03TN2N0C02D		2	0.2nH	0.15	600				15000	
81-LQP03TN2N2C00D		2.2	0.2nH	0.18	220				10000	
81-LQP03TN2N2C02D		2.2	0.2nH	0.15	600				15000	
81-LQP03TN2N4C02D		2.4	0.2nH	0.20	500				15000	
81-LQP03TN2N7C00D		2.7	0.2nH	0.21	220				10000	
81-LQP03TN2N7C02D		2.7	0.2nH	0.20	500				15000	
81-LQP03TN3N0B00D		3	0.1nH	0.20	190				10000	
81-LQP03TN3N0C02D		3	0.2nH	0.25	450				15000	
81-LQP03TN3N3C00D		3.3	0.2nH	0.20	190				10000	
81-LQP03TN3N3C02D		3.3	0.2nH	0.25	450				15000	
81-LQP03TN3N6C02D		3.6	0.2nH	0.30	400				15000	
81-LQP03TN3N9C02D		3.9	0.2nH	0.30	400				15000	
81-LQP03TN5N1J02D		5.1	5%	0.40	350				15000	
81-LQP03TN5N6J02D		5.6	5%	0.40	350				15000	
81-LQP03TN6N2J02D		6.2	5%	0.60	300				15000	
81-LQP03TN6N8J02D		6.8	5%	0.60	300				15000	
81-LQP03TN7N5J02D		7.5	5%	0.60	300				15000	
81-LQP03TN8N2J02D		8.2	5%	0.70	250				15000	
81-LQP03TN9N1J02D		9.1	5%	0.70	250				15000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Value (nH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
						1	50	100		
LQP03T Series 0201 Case Size (Cont.)										
81-LQP03TN10NJ00D		10	5%	1.10	100				10000	
81-LQP03TN10NJ02D		10	5%	0.70	250				15000	
81-LQP03TN12NJ02D		12	5%	0.70	250				15000	
81-LQP03TN15NJ02D		15	5%	0.70	250				15000	
81-LQP03TN22NJ02D		22	5%	1.90	150				15000	
81-LQP03TN27NJ00D		27	5%	2.90	70				10000	
81-LQP03TN27NJ02D		27	5%	2.30	140				15000	
81-LQP03TN39NJ02D		39	5%	3.00	120				15000	
LQP15M Series 0402 Case Size										
81-LQP15MN1N0B02D		1	0.1nH	0.10	400				10000	
81-LQP15MN1N5B02D		1.5	0.1nH	0.20	280				10000	
81-LQP15MN2N0B02D		2	0.1nH	0.30	220				10000	
81-LQP15MN2N7B02D		2.7	0.1nH	0.30	220				10000	
81-LQP15MN3N0B02D		3	0.1nH	0.40	190				10000	
81-LQP15MN3N0B02D		3.3	0.1nH	0.40	190				10000	
81-LQP15MN3N6B02D		3.6	0.1nH	0.50	170				10000	
81-LQP15MN4N3B02D		4.3	0.1nH	0.60	160				10000	
81-LQP15MN4N7B02D		4.7	0.1nH	0.60	160				10000	
81-LQP15MN5N6B02D		5.6	0.1nH	0.70	140				10000	
81-LQP15MN8N2B02D		8.2	0.1nH	1.10	110				10000	
81-LQP15MN15NG02D		15	2%	1.80	90				10000	
81-LQP15MN18NG02D		18	2%	2.00	80				10000	
81-LQP15MN22NG02D		22	2%	2.60	70				10000	
81-LQP15MN33NG02D		33	2%	3.80	60				10000	
LQP18M Series 0603 Case Size										
81-LQP18MN3N3C02D		3.3	0.2nH	0.40	250				4000	
81-LQP18MN5N6C02D		5.6	0.2nH	0.60	200				4000	
81-LQP18MN6N8C02D		6.8	0.2nH	0.70	200				4000	
81-LQP18MN12NG02D		12	2%	1.00	150				4000	

MURATA SMD Inductors



This product is RoHS compliant.

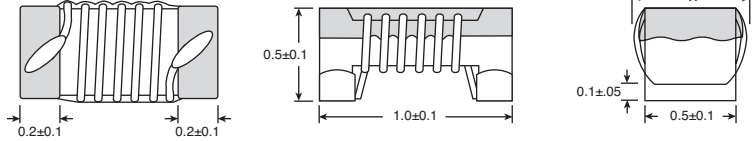


LQW15A SERIES HIGH FREQUENCY WINDING TYPE AIR CORE COIL

The LQW 15A series consists of air core chip coil using a miniature alumina core. The LQW15A series has a high Q value in high frequency range and high self resonant frequency.

Inductance (nH)	Dimension of W
1.5-22, 100, 120	0.6±0.1
24-82	0.5±0.1

DIMENSIONS: mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (nH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	50	100		
Case 0402										
81	LQW15AN1N5D00D	1.5	0.5nH	0.03	1000				10000	
81	LQW15AN2N7D00D	2.7	0.5nH	0.05	850				10000	
81	LQW15AN4N3C00D	4.3	0.2nH	0.07	750				10000	
81	LQW15AN4N7C00D	4.7	0.2nH	0.07	750				10000	
81	LQW15AN5N1D00D	5.1	0.5nH	0.12	600				10000	
81	LQW15AN6N2D00D	6.2	0.5nH	0.09	700				10000	
81	LQW15AN6N8J00D	6.8	5%	0.09	700				10000	
81	LQW15AN7N5J00D	7.5	5%	0.13	570				10000	
81	LQW15AN9N1J00D	9.1	5%	0.14	540				10000	
81	LQW15AN10NJ00D	10	5%	0.17	500				10000	
81	LQW15AN12NJ00D	12	5%	0.14	500				10000	
81	LQW15AN15NJ00D	15	5%	0.16	460				10000	
81	LQW15AN18NJ00D	18	5%	0.27	370				10000	
81	LQW15AN22NJ00D	22	5%	0.30	310				10000	
81	LQW15AN27NJ00D	27	5%	0.52	280				10000	
81	LQW15AN33NJ00D	33	5%	0.63	260				10000	
81	LQW15AN39NJ00D	39	5%	0.70	250				10000	
81	LQW15AN47NJ00D	47	5%	1.08	210				10000	
81	LQW15AN56NJ00D	56	5%	1.17	200				10000	
81	LQW15AN68NJ00D	68	5%	1.96	140				10000	
Case 0603										
81	LQW18AN2N2D00D	2.2	0.5nH	0.049	700				4000	
81	LQW18AN3N6D00D	3.6	0.5nH	0.059	850				4000	
81	LQW18AN3N9C00D	3.9	0.2nH	0.059	850				4000	
81	LQW18AN4N7D00D	4.7	0.5nH	0.059	850				4000	
81	LQW18AN5N6D00D	5.6	0.5nH	0.082	750				4000	
81	LQW18AN5N6C00D	5.6	0.2nH	0.082	750				4000	
81	LQW18AN6N2C00D	6.2	0.2nH	0.082	750				4000	
81	LQW18AN6N2D00D	6.2	0.5nH	0.082	750				4000	
81	LQW18AN6N8C00D	6.8	0.2nH	0.082	750				4000	
81	LQW18AN6N8D00D	6.8	0.5nH	0.082	750				4000	
81	LQW18AN7N5D00D	7.5	0.5nH	0.082	750				4000	
81	LQW18AN8N2D10D	8.2	0.5nH	0.11	650				4000	
81	LQW18AN8N2D00D	8.2	0.5nH	0.11	650				4000	
81	LQW18AN8N7D00D	8.7	0.5nH	0.11	650				4000	
81	LQW18AN10NJ00D	10	5%	0.11	650				4000	
81	LQW18AN10NG00D	10	2%	0.11	650				4000	
81	LQW18AN12NJ00D	12	5%	0.13	600				4000	
81	LQW18AN12NG00D	12	2%	0.13	600				4000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (nH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	50	100		
Case 0603 (Cont.)										
81	LQW18AN15NJ00D	15	5%	0.13	600				4000	
81	LQW18AN15NG00D	15	2%	0.13	600				4000	
81	LQW18AN18NJ00D	18	5%	0.16	550				4000	
81	LQW18AN18NG00D	18	2%	0.16	550				4000	
81	LQW18AN22NJ00D	22	5%	0.17	500				4000	
81	LQW18AN22NG00D	22	2%	0.17	500				4000	
81	LQW18AN27NJ00D	27	5%	0.21	440				4000	
81	LQW18AN27NG00D	27	2%	0.21	440				4000	
81	LQW18AN33NJ00D	33	5%	0.23	420				4000	
81	LQW18AN33NG00D	33	2%	0.23	420				4000	
81	LQW18AN36NG00D	36	2%	0.26	400				4000	
81	LQW18AN39NJ00D	39	5%	0.26	400				4000	
81	LQW18AN47NG00D	47	2%	0.29	380				4000	
81	LQW18AN56NJ00D	56	5%	0.35	360				4000	
81	LQW18AN68NG00D	68	2%	0.38	340				4000	
81	LQW18AN68NJ00D	68	5%	0.38	340				4000	
81	LQW18AN72NJ00D	72	5%	0.56	270				4000	
81	LQW18AN82NG00D	82	2%	0.60	250				4000	
81	LQW18AN91NG00D	91	2%	0.64	230				4000	
81	LQW18ANR10J00D	100	5%	0.68	220				4000	
81	LQW18ANR10G00D	100	2%	0.68	220				4000	
81	LQW18ANR12J00D	120	5%	1.3	180				4000	
81	LQW18ANR15G00D	150	2%	1.5	160				4000	
81	LQW18ANR18G00D	180	2%	2.2	140				4000	
81	LQW18ANR22G00D	220	2%	2.5	120				4000	
81	LQW18ANR22J00D	220	5%	2.5	120				4000	
81	LQW18ANR27J00D	270	5%	3.4	110				4000	
81	LQW18ANR33J00D	330	5%	5.5	85				4000	
81	LQW18ANR39J00D	390	5%	6.2	80				4000	
81	LQW18ANR47G00D	470	2%	7.0	75				4000	
81	LQW18ANR47J00D	470	5%	7.0	75				4000	
Case 0805										
81	LQW2BHN6N8D03L	6.8	0.5nH	0.11	680				2000	
81	LQW2BHN15NJ03L	15	5%	0.12	630				2000	
81	LQW2BHN27NJ03L	27	5%	0.17	540				2000	
81	LQW2BHN33NJ03L	33	5%	0.15	570				2000	
81	LQW2BHN56NJ03L	56	5%	0.26	430				2000	
81	LQW2BHN68NG03L	68	2%	0.23	460				2000	
81	LQW2BHN10J03L	100	5%	0.38	350				2000	

LQW2UA SERIES HIGH FREQUENCY HORIZONTAL WIRE WOUND SMD INDUCTORS

LQW2UA series consists of air-core chip inductor using an alumina core as a bobbin.

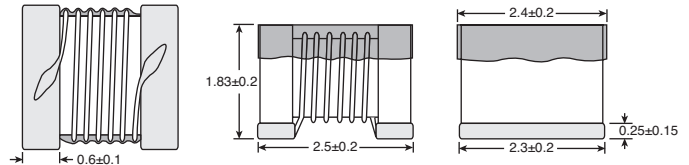
Features:

- Inductance: 12 to 4700nH (Wide inductance ranges)
- Because of the high self-resonant frequency, it can be used in high frequency range from several 10MHz to 3GHz.
- Tight inductance tolerance (+/-5%)
- It is easy to mount because the resin is coated on the upper surface.
- Reflow soldering methods can be employed.

Applications:

- Impedance Matching: Set Top Box
- Cable Modem

DIMENSIONS: mm




For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (nH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	50	100		
Case 1008										
81	LQW2UAS12NJ00L	12	5	0.09	1000				2000	
81	LQW2UAS18NJ00L	18	5	0.11	1000				2000	
81	LQW2UAS22NJ00L	22	5	0.12	1000				2000	
81	LQW2UAS27NJ00L	27	5	0.13	1000				2000	
81	LQW2UAS33NJ00L	33	5	0.14	1000				2000	
81	LQW2UAS39NJ00L	39	5	0.15	1000				2000	
81	LQW2UAS47NJ00L	47	5	0.16	1000				2000	
81	LQW2UAS56NJ00L	56	5	0.18	1000				2000	
81	LQW2UAS68NJ00L	68	5	0.2	1000				2000	
81	LQW2UAS82NJ00L	82	5	0.22	1000				2000	
81	LQW2UASR10J00L	100	5	0.56	650				2000	
81	LQW2UASR12J00L	120	5	0.63	650				2000	
81	LQW2UASR15J00L	150	5	0.7	580				2000	
81	LQW2UASR18J00L	180	5	0.77	620				2000	
81	LQW2UASR22J00L	220	5	0.84	500				2000	
81	LQW2UASR27J00L	270	5	0.91	500				2000	
81	LQW2UASR33J00L	330	5	1.05	450				2000	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (nH)	Tol.	DCR (Max.)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	50	100		
Case 1008 (Cont.)										
81	LQW2UASR39J00L	390	5	1.12	470				2000	
81	LQW2UASR47J00L	470	5	1.19	470				2000	
81	LQW2UASR56J00L	560	5	1.33	400				2000	
81	LQW2UASR62J00L	620	5	1.4	300				2000	
81	LQW2UASR68J00L	680	5	1.47	400				2000	
81	LQW2UASR75J00L	750	5	1.54	360				2000	
81	LQW2UASR82J00L	820	5	1.61	400				2000	
81	LQW2UASR91J00L	910	5	1.68	380				2000	
81	LQW2UAS1R0J00L	1000	5	1.75	370				2000	
81	LQW2UAS1R2J00L	1200	5	2	310				2000	
81	LQW2UAS1R5J00L	1500	5</							

MURATA Common Mode Choke Coils

 This product is RoHS compliant.



PLY10 SERIES HYBRID CHOKE COIL

Features:

- PLY10 has both functions of a common mode choke coil and a differential mode choke coil in its compact body
- Low profile in vertical core layout
- PHY10 has the same pin layout as a general common mode choke coil which enables it to replace conventional components

* Safety standards: EN60065

Specifications:

- Operating Temperature Range: -25°C to 60°C



For quantities greater than listed, call for quote

MOUSER STOCK NO.		Fig.	Common Mode Inductance (min.) (mH)	Rated Voltage (V)	Rated Current (A)	Insulation Resistance (min.) (M ohm)	Price Each		
Mfr.	Mfr. Part No.						1	10	25
Standard Winding									
	81—PLY10AN1121R8R2B	A	1.1	1.8	90	300			
	81—PLY10AN1521R6R2B	A	1.5	1.6	110	300			
	81—PLY10AN1430R5R2B	A	14.0	1000	0.5	300			
*	81—PLY10AS1430R5R2B	A	14.0	0.5	1000	300			
*	81—PLY10AS6220R8R2B	A	6.2	0.8	400	300			
Sectional Winding									
	81—PLY10AN7012R0D2B	B	0.7	2.0	50	300			
	81—PLY10AN1121R7D2B	B	1.1	1.7	65	300			
	81—PLY10AN1421R4D2B	B	1.4	1.4	110	300			
	81—PLY10AN2321R2D2B	B	2.3	1.2	160	300			
	81—PLY10AN8720R7D2B	B	8.7	0.7	500	300			
*	81—PLY10AS1421R4D2B	B	1.4	1.4	110	300			
*	81—PLY10AS8720R7D2B	B	8.7	0.7	500	300			

PLY17 SERIES

Features:

- Integration of choke coil function to suppress differential mode/low and high frequency common mode noise.
- Low profile (H=<13mm)

Applications:

- For AC power supply, AC adapter
- Low-profile equipment such as lighting equipment FPD, Digital amplifier

Specifications:

- Operating Temperature Range: -25°C to 60°C

For quantities greater than listed, call for quote

MOUSER STOCK NO.		Fig.	Common Mode Inductance (min.) (mH)	Rated Current (A)	Normal Mode Inductance (min.) (uH)	Rated Voltage (V)	Price Each		
Mfr.	Mfr. Part No.						1	10	25
	81—PLY17BN4912R4A2B	C	0.49	2.4	18	300			
	81—PLY17BN9612R0A2B	C	0.96	2.0	36	300			
	81—PLY17BN1023R0A2B	C	1.0	3.0	36	300			
	81—PLY17BN1121R8A2B	C	1.1	1.8	44	300			
	81—PLY17BN1721R5A2B	C	1.7	1.5	67	300			
	81—PLY17BN2921R2A2B	C	2.9	1.2	110	300			
	81—PLY17BN3721R0A2B	C	3.7	1.0	140	300			
	81—PLY17BN5620R8A2B	C	5.6	0.8	210	300			
	81—PLY17BN7820R7A2B	C	7.8	0.7	290	300			
	81—PLY17BN9320R6A2B	C	9.3	0.6	350	300			
	81—PLY17BN4912R4B2B	C	0.49	2.4	24	300			
	81—PLY17BN9612R0B2B	C	0.96	2.0	47	300			
	81—PLY17BN1023R0B2B	C	1.0	3.0	47	300			
	81—PLY17BN1121R8B2B	C	1.1	1.8	58	300			
	81—PLY17BN1721R5B2B	C	1.7	1.5	88	300			
	81—PLY17BN2921R2B2B	C	2.9	1.2	140	300			
	81—PLY17BN3721R0B2B	C	3.7	1.0	180	300			
	81—PLY17BN5620R8B2B	C	5.6	0.8	280	300			
	81—PLY17BN7820R7B2B	C	7.8	0.7	390	300			
	81—PLY17BN9320R6B2B	C	9.3	0.6	460	300			

PLT08C SERIES COMMON MODE CHOKE COILS (FOR DC LINE)

The PTC08C series is common mode choke coil for DC line. It is effective against the common mode noise that can cause radiative noise in power supply lines and interface lines. The high coupling factor enables effective suppression of common mode noise without appreciably altering the normal mode signal waveforms even when the signal and noise frequencies are close to each other.

Applications:

- For suppressing noise radiation from interface cables of digital equipment such as computers and computer peripherals
- For suppressing noise radiation from the power supply cords of supply cords of digital equipment that uses adapters

Specifications:

- Operating Temperature Range: -25°C to 60°C

For quantities greater than listed, call for quote

MOUSER STOCK NO.		Fig.	Common Mode Inductance (min.) (mH)	Rated Current (A)	Normal Mode Inductance (min.) (uH)	Rated Voltage (V)	Price Each		
Mfr.	Mfr. Part No.						1	10	25
	81—PLT08CN0R53R0T0B	D	0.5 min.	125	50	3			
	81—PLT08CN1R53R0T0B	D	1.5 min.	125	50	3			

PLT09H SERIES COMMON MODE CHOKE COILS (FOR DC LINE)

PLT09H series is a common mode choke coil for DC lines. It is effective against the common mode noise that can cause radiative noise in power supply lines and interface lines. The additional normal mode inductance enables a high suppression effect to radiation noise.

Features:

- This is a wide frequency range type, suitable in applications ranging from a few MHz to several 100MHz

Applications:

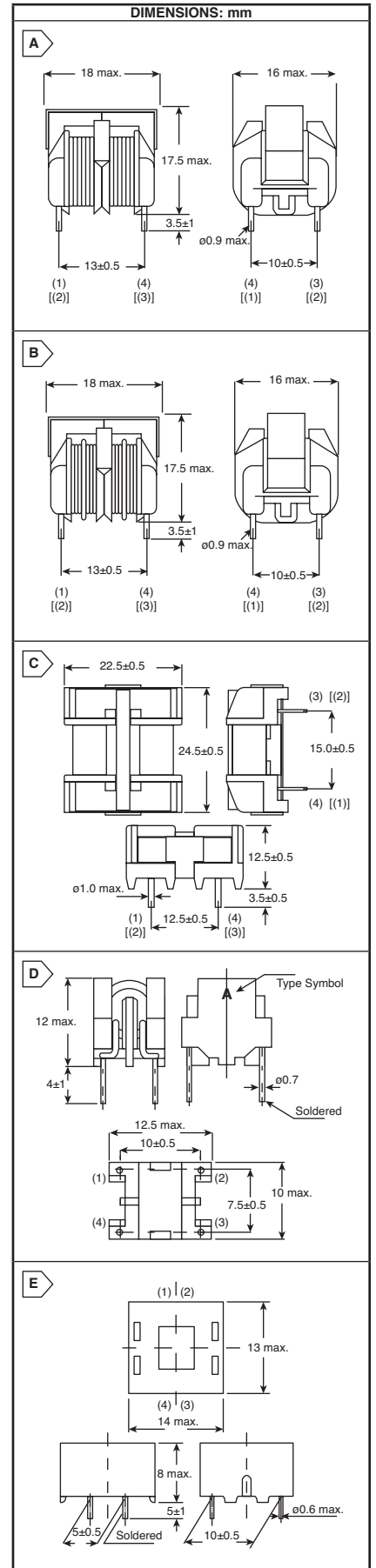
- Noise suppression of SW power supply, DC-DC converter
- DC power lines in a AC adapter of portable equipment

Specifications:

- Operating Temperature Range: -40°C to +85°C

For quantities greater than listed, call for quote

MOUSER STOCK NO.		Fig.	Common Mode Inductance (min.) (mH)	Rated Current (A)	Normal Mode Inductance (min.) (uH)	Rated Voltage (V)	Price Each		
Mfr.	Mfr. Part No.						1	10	25
	81—PLT09HN2003R0P1B	E	20 min.	50	3	125			



MURATA SMD Common Mode Choke Coils



RoHS Compliant This product is RoHS compliant.

PLT10H SERIES COMMON MODE CHOKE COIL



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Common Mode Imp @ 100MHz	Rated Current (m)	Rated Volt.	Insulation Resistance (min) Ω	Withstanding Volt. (Vdc)	DC Resistance (Ω) max.	Price Each			
									1	10	25	125
81-PLT10HH1026R0PNL	PLT10HH1026R0PNL	A	400	10	100	10M	250	3.6				
81-PLT10HH9016R0PNL	PLT10HH9016R0PNL	A	500	10	100	10M	250	3.6				
81-PLT10HH501100PNL	PLT10HH501100PNL	A	900	6	100	10M	250	8.0				
81-PLT10HH401100PNL	PLT10HH401100PNL	A	1000	6	100	10M	250	8.0				

DLP11TB SERIES - 1210 SIZE CHIP TYPE COMMON MODE CHOKE COILS

Features:

- Small size of 1.25x1.0mm is optimally suited to mobile devices.
- Cut-off frequency in the transmission characteristics (Sdd21) boosted to 8GHz or more to reduce the effects of noise on the signals.
- Operating temperature: -40°C to +85°C

Applications:

- USB 3.0 connectors featured in personal computers and in PC peripheral devices.



RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Common Mode Imp @ 100MHz	Rated Current (mA)	Rated Volt. (Vdc)	Insulation Resistance (min) Ω	Price Each				Reel Qty.	Price Per Piece
							1	50	100	500		
81-DLP11TB800UL2	DLP11TB800UL2	B	80	100	5	1.5					5000	

DLP SERIES - COMMON MODE CHOKE COILS

DLP0NS Features:

- Small size: 0.85x0.65x0.45mm
- Enables noise suppression for differential signal line without distortion in high-speed signal transmission due to its line impedance matching.

DLP2AD Features:

- 2 components are included in 2.0x1.0mm size.
- Can suppress common mode noise without damage to signal wave.

DLP11SA and DLP11SN Features:

- Small size: 1.25x1.0x0.82mm
- Enables noise suppression for differential signal line without distortion in high-speed signal transmission due to its high coupling.



RoHS Compliant

DLP31S Features:

- Small size: 3.2x1.6x1.15mm
- Suppresses high frequency noise that was unable to be suppressed with existing common mode choke coils.

DLP31D Features:

- 2 components included in 3.2x1.6mm size.
- Thin type: 1.15mm
- Can suppress common mode noise without damage to signal wave.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Common Mode Imp @ 100MHz	Rated Current (mA)	Insulation Resistance (min) Ω	Withstanding Voltage (Vdc)	DC Resistance (Ω) max.	Price Each				Reel Qty.	Price Per Piece
								1	50	100	500		
DLP0NS Series - 03025 Size Film Type													
81-DLP0NSN670HL2L	DLP0NSN670HL2L	C	67	5	100M	12.5	2.4					5000	
81-DLP0NSN900HL2L	DLP0NSN900HL2L	C	90	5	100M	12.5	3.0					5000	
81-DLP0NSN121HL2L	DLP0NSN121HL2L	C	120	5	100M	12.5	3.8					5000	
DLP2AD Series - 0804 Size Film Type (Array)													
81-DLP2ADN670HL4L	DLP2ADN670HL4L	D	67	5	100M	12.5	1.25					3000	
81-DLP2ADN900HL4L	DLP2ADN900HL4L	D	90	5	100M	12.5	1.75					3000	
81-DLP2ADN121HL4L	DLP2ADN121HL4L	D	120	5	100M	12.5	2.5					3000	
81-DLP2ADN161HL4L	DLP2ADN161HL4L	D	160	5	100M	12.5	3.125					3000	
81-DLP2ADN201HL4L	DLP2ADN201HL4L	D	200	5	100M	12.5	4.0					3000	
81-DLP2ADN241HL4L	DLP2ADN241HL4L	D	240	5	100M	12.5	4.75					3000	
81-DLP2ADN281HL4L	DLP2ADN281HL4L	D	280	5	100M	12.5	5.75					3000	
DLP11SA Series - 0504 Size Film Type													
81-DLP11SA350HL2L	DLP11SA350HL2L	E	35	5	100M	12.5	0.9					3000	
81-DLP11SA670HL2L	DLP11SA670HL2L	E	67	5	100M	12.5	1.2					3000	
81-DLP11SA900HL2L	DLP11SA900HL2L	E	90	5	100M	12.5	1.4					3000	
DLP11SN Series - 0504 Size Film Type													
81-DLP11SN670SL2L	DLP11SN670SL2L	E	67	5	100M	12.5	1.3					3000	
81-DLP11SN900HL2L	DLP11SN900HL2L	E	90	5	100M	12.5	1.5					3000	
81-DLP11SN121SL2L	DLP11SN121SL2L	E	120	5	100M	12.5	2.0					3000	
81-DLP11SN161SL2L	DLP11SN161SL2L	E	160	5	100M	12.5	2.7					3000	
81-DLP11SN201HL2L	DLP11SN201HL2L	E	200	5	100M	12.5	3.1					3000	
81-DLP11SN241HL2L	DLP11SN241HL2L	E	240	5	100M	12.5	3.5					3000	
81-DLP11SN281HL2L	DLP11SN281HL2L	E	280	5	100M	12.5	4.2					3000	
81-DLP11SN331HL2L	DLP11SN331HL2L	E	330	5	100M	12.5	4.9					3000	
DLP31S Series - 1206 Size Film Type													
81-DLP31SN121ML2L	DLP31SN121ML2L	F	120	16	100M	40	2.0					3000	
81-DLP31SN221ML2L	DLP31SN221ML2L	F	220	16	100M	40	2.5					3000	
81-DLP31SN551ML2L	DLP31SN551ML2L	F	550	16	100M	40	3.6					3000	
DLP31D Series - 1206 Size Film Type (Array)													
81-DLP31DN131ML4L	DLP31DN131ML4L	G	130	10	100M	25	1.6					3000	
81-DLP31DN201ML4L	DLP31DN201ML4L	G	200	10	100M	25	2.2					3000	
81-DLP31DN321ML4L	DLP31DN321ML4L	G	320	10	100M	25	3.5					3000	
81-DLP31DN441ML4L	DLP31DN441ML4L	G	440	10	100M	25	4.3					3000	
81-DLP31DN900ML4L	DLP31DN900ML4L	G	90	10	100M	25	1.1					3000	

DLW SERIES - WOUND TYPE

DLW5BS Features:

- High impedance
- Large rated current
- Does not damage high speed signal due to high coupling common mode choke coil.
- Rated Voltage: 50Vdc

DLW21 Features:

- Low profile
- Small size: 2.0x1.2x0.9mm
- Suitable for differential signal line like USB 2.0, IEEE1394 and LVDS.
- Rated Voltage: 50Vdc

DLW31 Features:

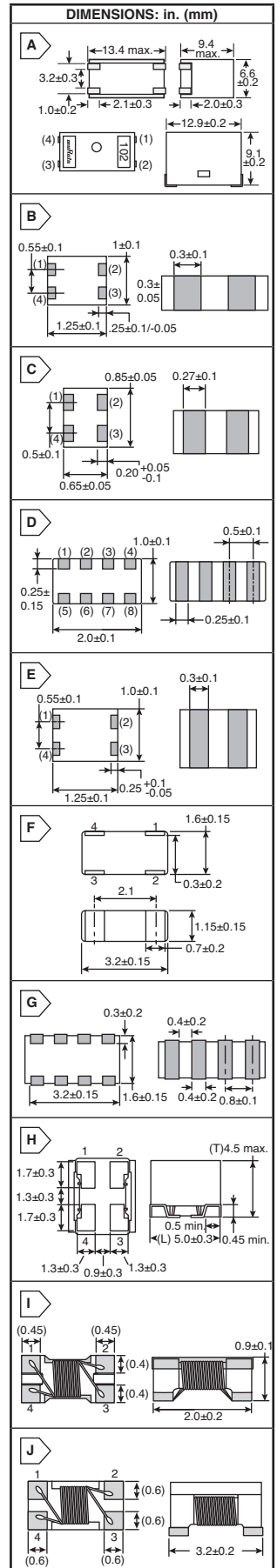
- Low profile
- Small size: 3.2x1.6x1.9mm
- Enables noise suppression for differential signal lines without distortion in high speed signal transmission due to its high coupling.
- Rated Voltage: 50Vdc



RoHS Compliant

For quantities greater than listed, call for quote.

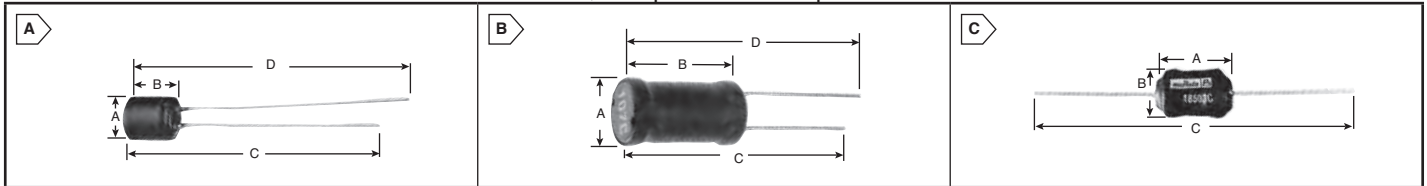
MOUSER STOCK NO.	Murata Part No.	Fig.	Common Mode Imp @ 100MHz	Rated Current (mA)	Insulation Resistance (min) Ω	Withstanding Voltage (Vdc)	DC Resistance (Ω) max.	Price Each				Reel Qty.	Price Per Piece
								1	10	25	100		
DLW5BS Series													
81-DLW5BSN302SQ2L	DLW5BSN302SQ2L	H	3000	500	10M	125	0.3					400	
81-DLW5BSN152SQ2L	DLW5BSN152SQ2L	H	1500	1000	10M	125	0.1					400	
81-DLW5BSN102SQ2L	DLW5BSN102SQ2L	H	1000	1500	10M	125	0.06					400	
81-DLW5BSN351SQ2L	DLW5BSN351SQ2L	H	350	2000	10M	125	0.04					400	
81-DLW5BSN191SQ2L	DLW5BSN191SQ2L	H	190	5000	10M	125	0.02					400	
DLW21H Series													
81-DLW21HN670SQ2L	DLW21HN670SQ2L	I	67	330	10M	125	0.35					3000	
81-DLW21HN900SQ2L	DLW21HN900SQ2L	I	90	330	10M	125	0.35					3000	
81-DLW21HN121SQ2L	DLW21HN121SQ2L	I	120	280	10M	125	0.45					3000	
81-DLW21HN181SQ2L	DLW21HN181SQ2L	I	180	250	10M	125	0.5					3000	
DLW31S Series													
81-DLW31SN222SQ2L	DLW31SN222SQ2L	J	2200	200	10M	125	1.2					2000	
81-DLW31SN102SQ2L	DLW31SN102SQ2L	J	1000	230	10M	125	1.1					2000	
81-DLW31SN601SQ2L	DLW31SN601SQ2L	J	600	260	10M	125	0.8					2000	
81-DLW31SN900SQ2L	DLW31SN900SQ2L	J	90	370	10M	125	0.3					2000	



MURATA POWER SOLUTIONS Inductors



RoHS Compliant This product is RoHS compliant.



RADIAL LEAD INDUCTORS

- UL VW-1 rated sleeving
- Low DC resistance
- RoHS Compliant

1100R Series, Radial Lead

• Dimensions (mm): A-5.0, B-7.5, C-41.0, D-45.0

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Price Each		
						1	5	10
580-11R102C	11R102C	A	1.0	3.00	0.02			
580-11R152C	11R152C	A	1.5	2.40	0.03			
580-11R222C	11R222C	A	2.2	1.90	0.05			
580-11R332C	11R332C	A	3.3	1.50	0.07			
580-11R472C	11R472C	A	4.7	1.30	0.09			
580-11R682C	11R682C	A	6.8	1.10	0.10			
580-11R103C	11R103C	A	10	0.95	0.14			
580-11R153C	11R153C	A	15	0.80	0.19			
580-11R223C	11R223C	A	22	0.65	0.27			
580-11R333C	11R333C	A	33	0.55	0.42			
580-11R473C	11R473C	A	47	0.50	0.54			
580-11R683C	11R683C	A	68	0.40	0.85			
580-11R104C	11R104C	A	100	0.35	1.10			
580-11R154C	11R154C	A	150	0.30	1.65			
580-11R224C	11R224C	A	220	0.24	2.40			
580-11R334C	11R334C	A	330	0.19	3.60			
580-11R474C	11R474C	A	470	0.14	6.40			

1300R Series, Radial Lead

• Dimensions (mm): A-9.5, B-13.5, C-43.0, D-47.0

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Price Each		
						1	5	10
580-13R152C	13R152C	A	1.5	6.300	0.008			
580-13R222C	13R222C	A	2.2	5.300	0.010			
580-13R332C	13R332C	A	3.3	4.800	0.013			
580-13R472C	13R472C	A	4.7	4.300	0.017			
580-13R682C	13R682C	A	6.8	3.500	0.023			
580-13R103C	13R103C	A	10	3.000	0.031			
580-13R153C	13R153C	A	15	2.500	0.042			
580-13R223C	13R223C	A	22	2.000	0.070			
580-13R333C	13R333C	A	33	1.800	0.092			
580-13R473C	13R473C	A	47	1.500	0.110			
580-13R683C	13R683C	A	68	1.300	0.150			
580-13R104C	13R104C	A	100	1.000	0.240			
580-13R154C	13R154C	A	150	0.820	0.330			
580-13R224C	13R224C	A	220	0.700	0.470			
580-13R334C	13R334C	A	330	0.580	0.640			
580-13R474C	13R474C	A	470	0.450	1.050			
580-13R684C	13R684C	A	680	0.420	1.500			
580-13R105C	13R105C	A	1.0mH	0.330	2.100			
580-13R155C	13R155C	A	1.5mH	0.280	3.100			
580-13R225C	13R225C	A	2.2mH	0.240	4.500			
580-13R335C	13R335C	A	3.3mH	0.190	7.000			
580-13R475C	13R475C	A	4.7mH	0.160	9.300			
580-13R685C	13R685C	A	6.8mH	0.130	13.500			
580-13R106C	13R106C	A	10mH	0.085	23.800			
580-13R156C	13R156C	A	15mH	0.080	31.000			
580-13R226C	13R226C	A	22mH	0.070	48.000			
580-13R336C	13R336C	A	33mH	0.060	68.000			
580-13R476C	13R476C	A	47mH	0.045	120.000			
580-13R686C	13R686C	A	68mH	0.040	152.000			

1900R SERIES RADIAL LEAD INDUCTORS

- Low DC resistance
- Dimensions (mm): A-12, B-21, C-40, D-45
- RoHS Compliant
- PCB mounting
- Fully tinned leads

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Price Each		
						1	5	10
580-19R472C	19R472C	B	4.7	7.8	0.008			
580-19R682C	19R682C	B	6.8	6.7	0.011			
580-19R103C	19R103C	B	10	6.0	0.017			
580-19R153C	19R153C	B	15	4.8	0.022			
580-19R223C	19R223C	B	22	4.0	0.026			
580-19R473C	19R473C	B	47	3.4	0.038			
580-19R683C	19R683C	B	68	2.9	0.055			
580-19R154C	19R154C	B	150	1.9	0.129			
580-19R224C	19R224C	B	220	1.6	0.162			
580-19R334C	19R334C	B	330	1.34	0.240			
580-19R474C	19R474C	B	470	1.09	0.380			
580-19R684C	19R684C	B	680	0.91	0.548			
580-19R105C	19R105C	B	1.0mH	0.73	0.844			
580-19R155C	19R155C	B	1.5mH	0.63	1.2			
580-19R225C	19R225C	B	2.2mH	0.50	2.0			
580-19R335C	19R335C	B	3.3mH	0.42	2.5			
580-19R475C	19R475C	B	4.7mH	0.35	3.5			
580-19R685C	19R685C	B	6.8mH	0.29	5.7			
580-19R106C	19R106C	B	10mH	0.23	7.3			
580-19R156C	19R156C	B	15mH	0.19	12			
580-19R226C	19R226C	B	22mH	0.15	22			
580-19R336C	19R336C	B	33mH	0.13	26			
580-19R476C	19R476C	B	47mH	0.11	36			
580-19R107C	19R107C	B	100mH	0.07	90			

INDUCTORS

- Low DC resistance
- Operating temperature: 0°C to 70°C
- RoHS Compliant
- Dimensions (mm): A-7.2, B-8.2, C-41, D-45.5

1700 Series, Radial Lead

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Nom. Q @ f kHz		SRF Nom. (MHz)	Price Each		
						Q	F		1	5	10
580-17103C	17103C	A	10	1.80	0.05	65	1000	21.2			
580-17223C	17223C	A	22	1.20	0.08	50	500	17.0			
580-17333C	17333C	A	33	1.00	0.13	50	500	11.4			
580-17473C	17473C	A	47	0.86	0.20	50	500	10.9			
580-17683C	17683C	A	68	0.85	0.26	90	100	8.7			
580-17104C	17104C	A	100	0.74	0.35	90	100	7.0			
580-17154C	17154C	A	150	0.58	0.49	90	100	5.7			
580-17224C	17224C	A	220	0.48	0.75	100	100	4.4			
580-17334C	17334C	A	330	0.42	1.10	100	100	3.7			
580-17474C	17474C	A	470	0.34	1.50	110	100	3.2			
580-17105C	17105C	A	1.0mH	0.19	3.30	120	100	2.1			
580-17155C	17155C	A	1.5mH	0.15	5.90	130	100	1.9			
580-17225C	17225C	A	2.2mH	0.12	7.80	90	50	1.7			

1800 Series, Axial Lead

• Dimensions (mm): A-18.25, B-13.7, C-78.25

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Nom. Q @ f kHz		SRF Nom. (MHz)	Price Each		
						Q	F		1	5	10
580-18472C	18472C	C	4.7	5.35	9.0mΩ	112	1000	36.4			
580-18103C	18103C	C	10	3.45	15mΩ	64	500	19.0			
580-18153C	18153C	C	15	3.00	18mΩ	55	500	15.9			
580-18223C	18223C	C	22	2.42	25mΩ	59	500	11.8			
580-18333C	18333C	C	33	2.00	40mΩ	48	500	11.5			
580-18473C	18473C	C	47	1.65	55mΩ	55	500	8.5			
580-18104C	18104C	C	100	1.20	100mΩ	40	100	7.4			
580-18154C	18154C	C	150	1.10	165mΩ	47	100	4.4			
580-18224C	18224C	C	220	0.90	230mΩ	46	100	3.5			
580-18334C	18334C	C	330	0.73	335mΩ	58	100	3.0			
580-18474C	18474C	C	470	0.60	465mΩ	56	100	2.2			
580-18105C	18105C	C	1.0mH	0.44	1.0	94	50	1.6			
580-18155C	18155C	C	1.5mH	0.33	1.5	107	50	1.3			
580-18106C	18106C	C	10mH	0.13	12	143	40	0.5			

1800R Series, Radial Lead

• Dimensions (mm): A-13.7, B-13, C-45, D-50

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Nom. Q @ f kHz		SRF Nom. (MHz)	Price Each		
						Q	F		1	5	10
580-18R472C	18R472C	A	4.7	5.35	9.0mΩ	106	1000	35.1			
580-18R682C	18R682C	A	6.8	4.15	12.0mΩ	73	500	26.3			
580-18R103C	18R103C	A	10	3.45	15mΩ	59	500	23.8			
580-18R153C	18R153C	A	15	3.00	18mΩ	55	500	17.0			
580-18R223C	18R223C	A	22	2.42	25mΩ	51	500	14.1			
580-18R333C	18R333C	A	33	2.00	40mΩ	48	500	11.5			
580-18R473C	18R473C	A	47	1.65	55mΩ	46	500	9.85			
580-18R683C	18R683C	A	68	1.35	70mΩ	27	100	8.29			
580-18R104C	18R104C	A	100	1.20	100mΩ	40	100	7.4			
580-18R154C	18R154C	A	150	1.10	165mΩ	40	100	5.58			
580-18R224C	18R224C	A	220	0.90	230mΩ	39	100	4.0			
580-18R254C	18R254C	A	250	0.80	255mΩ	40	100	3.85			
580-18R334C	18R334C	A	330	0.73	335mΩ	49	100	3.57			
580-18R474C	18R474C	A	470	0.60	465mΩ	50	100	2.81			
580-18R684C	18R684C	A	680	0.53	630mΩ	48	100	2.43			
580-18R105C	18R105C	A	1000	0.44	1000mΩ	92	50	1.82			
580-18R155C	18R155C	A	1.5mH	0.33	1.5	106	50	1.6			
580-18R106C	18R106C	A	10mH	0.13	12.0						

RoHS Compliant. This product is RoHS compliant.



1400 SERIES BOBBIN INDUCTORS

- Low DC resistance
- Low temperature dependence
- Radial format
- PCB Mounting hole
- Operating temperature: -40°C to +85°C
- RoHS Compliant
- ※ Dim: 29.8

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Nom. Q @ f kHz		SRF Typ. (MHz)	Dimension (mm)		Price Each		
						Q	F		A	B	1	5	10
580-1410313C	1410313C	A	10	13	0.007	54	50	20.7	27.0	14.0			
580-1422311C	1422311C	A	22	11	0.011	64	100	9.3	27.0	14.0			
580-1433393C	1433393C	A	33	9.3	0.015	27	50	9.1	27.0	14.0			
580-1447383C	1447383C	A	47	8.3	0.019	40	100	6.0	27.0	18.5			
580-1447385C	1447385C	A	47	8.5	0.021	33	100	6.7	26.8	14.0			
580-1468362C	1468362C	A	68	6.2	0.032	32	100	5.3	26.5	14.0			
580-1468373C	1468373C	A	68	7.3	0.022	45	100	5.3	27.0	18.5			
580-1410454C	1410454C	A	100	5.4	0.042	24	100	4.6	26.4	14.0			
580-1410478C	1410478C	A	100	7.8	0.040	34	50	3.3	32.4	29.8			
580-1415440C	1415440C	A	150	4.0	0.069	24	50	3.4	26.2	14.0			
* 580-1422435C	1422435C	A	220	3.5	0.096	22	50	2.8	26.1	14.0			
* 580-1422455C	1422455C	A	220	5.5	0.062	30	50	2.2	32.1	21.8			
* 580-1430430C	1430430C	A	300	3	0.14	26	50	2.6	25.9	14.0			
* 580-1433428C	1433428C	A	330	2.8	0.150	22	50	2.5	25.9	14.0			
* 580-1433445C	1433445C	A	330	4.5	0.091	25	50	1.6	31.8	21.8			
580-1447423C	1447423C	A	470	2.3	0.222	34	50	2.0	25.7	14.0			
580-1468420C	1468420C	A	680	2.0	0.276	23	50	1.6	25.7	14.0			
* 580-1410516C	1410516C	A	1000	1.6	0.419	30	50	1.4	25.6	14.0			
* 580-1410517C	1410517C	A	1000	1.7	0.336	35	50	1.2	25.7	18.5			
* 580-1410524C	1410524C	A	1000	2.4	0.277	33	50	1	31.4	21.8			
580-1415517C	1415517C	A	1.5mH	1.7	0.374	28	50	0.7	31.3	21.8			
* 580-1422509C	1422509C	A	2.2mH	0.9	0.916	43	50	0.9	25.3	14.0			
* 580-1422512C	1422512C	A	2.2mH	1.2	0.649	33	50	0.7	25.6	18.5			
580-1422514C	1422514C	A	2.2mH	1.4	0.622	33	50	0.6	31.1	21.8			
580-1433507C	1433507C	A	3.3mH	0.7	1.428	45	50	0.8	25.2	14.0			
580-1433510C	1433510C	A	3.3mH	1	1.992	20	50	0.7	25.5	18.5			
580-1447506C	1447506C	A	4.7mH	0.6	2.2	60	50	0.6	25.2	14.0			
* 580-1410604C	1410604C	A	10mH	0.4	4.34	51	50	0.4	25.1	14.0			
* 580-1410605C	1410605C	A	10mH	0.5	3.394	48	50	0.3	25.2	18.5			
* 580-1410606C	1410606C	A	10mH	0.6	2.294	48	50	0.2	30.9	21.8			
* 580-1415604C	1415604C	A	15mH	0.4	4.912	61	10	0.2	25.1	18.5			
580-1422604C	1422604C	A	22mH	0.4	6.962	30	50	0.2	30.5	21.8			

1500 SERIES RADIAL LEAD INDUCTORS

- Low DC resistance
- PCB mounting
- Dimensions (mm): A-16.8, B-21.3, C-13
- Fully tinned leads
- RoHS Compliant

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Nom. Q @ f kHz		SRF Typ. (MHz)	Price Each		
						Q	F		1	5	10
580-15102C	15102C	B	1.0	16.2	2.76	151	1000	142			
580-15152C	15152C	B	1.5	14.9	3.48	155	1000	108			
580-15332C	15332C	B	3.3	11.8	5.76	128	1000	68			
580-15472C	15472C	B	4.7	11.7	6.48	131	1000	60			
580-15682C	15682C	B	6.8	10.2	8.04	133	1000	46			
580-15103C	15103C	B	10	9.01	10.6	112	1000	30			
580-15223C	15223C	B	22	6.80	18.8	102	1000	11			
580-15333C	15333C	B	33	5.08	31.2	107	1000	8			
580-15473C	15473C	B	47	4.04	45.6	104	1000	5			
580-15683C	15683C	B	68	3.33	70.3	100	1000	4			
580-15104C	15104C	B	100	2.62	110	89	1000	3			
580-15154C	15154C	B	150	2.28	149	126	800	2			
580-15224C	15224C	B	220	2.08	185	69	20	2			
580-15334C	15334C	B	330	1.71	263	68	20	1.6			
580-15684C	15684C	B	680	1.12	574	86	25	1.0			
580-15105C	15105C	B	1000	0.91	887	96	30	0.8			

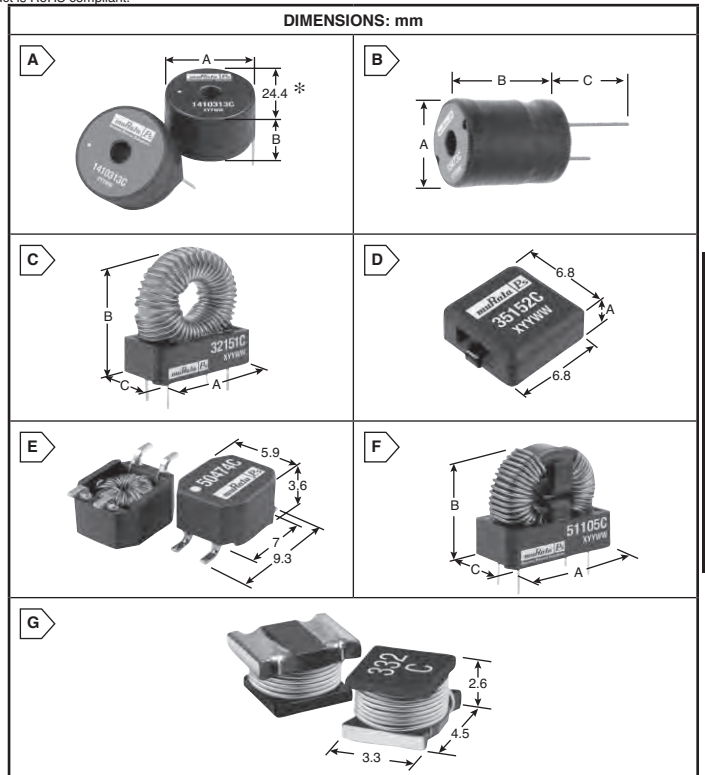
VERTICAL MOUNT TOROIDAL INDUCTORS

- Toroidal construction
- Low DC resistance
- Low EMI
- UL94V-0 packaging materials
- Through-hole
- RoHS Compliant

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Nom. Q @ f kHz		SRF Typ. (MHz)	Price Each		
						Q	F		1	5	10
3200 Series - Dimensions (mm): A-18, B-24, C-10											
580-32100C	32100C	C	10	4.5	20	3.1	1.0	69			
580-32220C	32220C	C	22	3.0	29	3.2	1.0	41			
580-32101C	32101C	C	100	1.4	77	3.5	0.8	5.3			
580-32221C	32221C	C	220	0.96	141	3.3	0.8	2.8			
580-32331C	32331C	C	330	0.78	215	3.2	0.8	2.3			
580-32471C	32471C	C	470	0.66	312	2.8	0.8	1.6			
580-32102C	32102C	C	1000	0.45	568	1.2	0.8	1.0			
3300 Series - Dimensions (mm): A-24, B-31, C-16.3											
580-33100C	33100C	C	10	7.6	20	3.4	1.0	68			
580-33330C	33330C	C	33	4.2	40	3.5	1.0	24			
580-33470C	33470C	C	47	3.5	48	3.4	1.0	17			
580-33101C	33101C	C	100	2.4	70	3.9	0.8	9.7			
580-33151C	33151C	C	150	2.0	84	3.8	0.8	7.2			
580-33221C	33221C	C	220	1.6	102	3.2	0.8	2.0			
580-33331C	33331C	C	330	1.3	126	3.4	0.8	1.9			
580-33471C	33471C	C	470	1.1	152	2.6	0.8	1.4			
580-33102C	33102C	C	1000	0.76	221	0.85	0.8	0.7			



FLAT COIL SMD POWER INDUCTORS

- Inductance range from 0.25μH to 4.7μH
- UL94V-0 packaging materials
- Low DC resistance
- RoHS Compliant

For quantities greater than listed, call for quote.

RoHS Compliant

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	Dimension A (mm)	Price Each		
							1	5	10
3600 Series									
580-36102C	36102C	D	1.0	9.5	7.5	4.2			
580-36232C	36232C	D	2.3	6.0	20	4.2			
580-36472C	36472C	D	4.7	3.6	41	4.2			

5000 SERIES SURFACE MOUNT COMMON MODE CHOKES

- Up to 0.7A Idc
- Compact Size
- RoHS Compliant
- UL94V-0 package
- J-STD-020C reflow

For quantities greater than listed, call for quote.

RoHS Compliant

MOUSER STOCK NO.	MPS Part No.	Fig.	L (mH)	Leakage L Typ. (μH)	IDC Max. (mA)	RDC Max. (Ω)	Price Each		
							1	5	10
580-50474C	50474C	E	0.47	0.2	700	0.3			
580-50105C	50105C	E	1.00	0.2	700	0.3			
580-50225C	50225C	E	2.20	0.25	500	0.4			
580-50475C	50475C	E	4.70	0.4	400	0.7			

TOROIDAL COMMON MODE CHOKES

- Toroidal construction
- Low DC resistance
- Through-hole
- Guaranteed 3.0mm creepage and clearance between windings
- RoHS Compliant

For quantities greater than listed, call for quote.

RoHS Compliant

MOUSER STOCK NO.	MPS Part No.	Fig.	L (mH)	Leakage L Max. (μH)	IDC Max. (mA)	RDC Max. (Ω)	Price Each		
							1	5	10
5100 Series - Dimensions (mm): A-18, B-24, C-10									
580-51504C	51504C	F	0.5	9.0	4.1	27			
580-51105C	51105C	F	1.0	18	3.3	38			
580-51305C	51305C	F	3.0	45	1.9	97			
580-51505C	51505C	F	5.0	75	1.2	197			
5200 Series - Dimensions (mm): A-24, B-31, C-16.3									
580-52305C	52305C	F	3.0	40	3.5	45			
580-52505C	52505C	F	5.0	75	2.4	91			
580-52705C	52705C	F	7.0	90	2.2	107			
580-52106C	52106C	F	10	130	1.7	193			

8400 SERIES MINIATURE SMD POWER INDUCTORS

- Small footprint
- Ultra-low profile
- UL94V-0 packaging materials
- J-STD-020C reflow
- RoHS Compliant

For quantities greater than listed, call for quote.

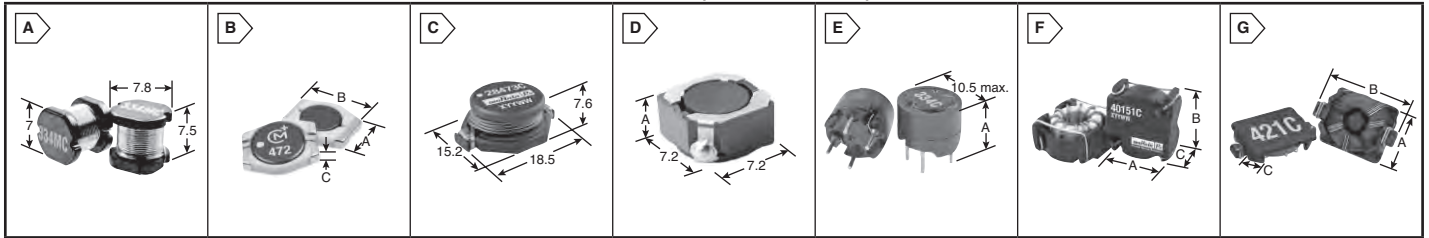
RoHS Compliant

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (Ω)	Price Each		
						1	5	10
580-84222C	84222C	G	2.2	2.0	0.09			
580-84103C	84103C	G	10	0.95	0.24			
580-84473C	84473C	G	47	0.42	1.1			
580-84104C	84104C	G	100	0.3	2.0			
580-84334C	84334C	G	330	0.17	6.5			
580-84225C	84225C	G	2200	0.05	45			

MURATA POWER SOLUTIONS Inductors



RoHS Compliant This product is RoHS compliant.



2200RM SERIES BOBBIN WOUND SURFACE MOUNT INDUCTORS

- Up to 2.52A IDC
- 10µH to 68µH
- Compact size
- Surface mount
- Tape & reel packaging

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (µH)	IDC Max. (A)	RDC Max. (Ω)	Price Each		
						1	5	10
580-22R103MC	22R103MC	A	10.0	2.52	0.05			
580-22R153MC	22R153MC	A	15.0	2.08	0.07			
580-22R223MC	22R223MC	A	22.0	1.81	0.09			
580-22R333MC	22R333MC	A	33.0	1.31	0.14			
580-22R473MC	22R473MC	A	47.0	0.99	0.22			
580-22R683MC	22R683MC	A	68.0	0.84	0.28			
580-22R104MC	22R104MC	A	100.0	0.80	0.39			
580-22R154MC	22R154MC	A	150.0	0.64	0.54			
580-22R224MC	22R224MC	A	220.0	0.50	0.83			
580-22R334MC	22R334MC	A	330.0	0.42	1.21			
580-22R474MC	22R474MC	A	470.0	0.37	1.65			
580-22R684MC	22R684MC	A	680.0	0.30	2.64			
580-22R105MC	22R105MC	A	1.0mH	0.21	3.63			
580-22R155MC	22R155MC	A	1.5mH	0.16	6.49			
580-22R225MC	22R225MC	A	2.2mH	0.14	8.58			
580-22R335MC	22R335MC	A	3.3mH	0.12	10.0			
580-22R475MC	22R475MC	A	4.7mH	0.10	13.2			
580-22R685MC	22R685MC	A	6.8mH	0.077	22.0			
580-22R106MC	22R106MC	A	10.0mH	0.068	37.4			
580-22R156MC	22R156MC	A	15.0mH	0.055	49.5			
580-22R226MC	22R226MC	A	22.0mH	0.044	82.5			
580-22R336MC	22R336MC	A	33.0mH	0.037	110.0			
580-22R476MC	22R476MC	A	47.0mH	0.033	154.0			
580-22R686MC	22R686MC	A	68.0mH	0.026	242.0			

SHIELDED SMD POWER INDUCTORS

- Tape & reel packaging
- J-STD-020-C reflow
- UL 94V-0 materials

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (µH)	IDC Max. (A)	RDC Max. (mΩ)	Dim. A (mm)	Price Each		
							1	5	10
2900 Series									
580-29332C	29332C	D	3.3	4	28	4			
580-29472C	29472C	D	4.7	2.3	30	4			
580-29333C	29333C	D	33	1	120	4			

1200 SERIES RADIAL LEAD SHIELDED INDUCTORS

- Integral EMI shield
- Low DC resistance
- UL 94V-0 materials

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (µH)	IDC Max. (A)	RDC Max. (mΩ)	Dim. A (mm)	Price Each		
							1	5	10
LRS Series									
580-12LRS103C	12LRS103C	E	10	3.4	50	8.5			
580-12LRS223C	12LRS223C	E	22	2.6	90	8.5			
580-12LRS333C	12LRS333C	E	33	2.1	110	8.5			
580-12LRS473C	12LRS473C	E	47	1.7	140	8.5			
580-12LRS104C	12LRS104C	E	100	1.4	200	8.5			
580-12LRS154C	12LRS154C	E	150	1	350	8.5			
580-12LRS224C	12LRS224C	E	220	0.78	540	8.5			
580-12LRS334C	12LRS334C	E	330	0.63	860	8.5			
580-12LRS474C	12LRS474C	E	470	0.53	1,230	8.5			
580-12LRS105C	12LRS105C	E	1mH	0.4	2,300	8.5			
580-12LRS155C	12LRS155C	E	1.5mH	0.31	3,400	8.5			
580-12LRS225C	12LRS225C	E	2.2mH	0.28	4,600	8.5			
580-12LRS335C	12LRS335C	E	3.3mH	0.2	8,700	8.5			
RS Series									
580-12RS103C	12RS103C	E	10	4.6	23	10.5			
580-12RS223C	12RS223C	E	22	3.3	42	10.5			
580-12RS333C	12RS333C	E	33	2.7	57	10.5			
580-12RS473C	12RS473C	E	47	2.2	100	10.5			
580-12RS104C	12RS104C	E	100	1.4	190	10.5			
580-12RS224C	12RS224C	E	220	1.1	290	10.5			
580-12RS334C	12RS334C	E	330	0.85	510	10.5			
580-12RS474C	12RS474C	E	470	0.72	980	10.5			
580-12RS105C	12RS105C	E	1mH	0.44	1,500	10.5			

2700 SERIES SMT POWER INDUCTORS

- UL 94V-0 packaging materials
- J-STD-020D reflow
- Ultra-low profile
- Custom inductance values available

For quantities greater than listed, call for quote.

2700 Series • Dimensions (mm) : A-7.7, B-9.0, C-1.65										
MOUSER STOCK NO.	MPS Part No.	Fig.	L (µH)	IDC Max. (A)	RDC Max. (mΩ)	Nom. Q @ f MHz	SRF Typ. (MHz)	Price Each		
1	5	10								
580-27472C	27472C	B	4.7	1.6	0.10					
580-27682C	27682C	B	6.8	1.4	0.13					
580-27103C	27103C	B	10	1.1	0.15					
580-27153C	27153C	B	15	0.9	0.23					
580-27223C	27223C	B	22	0.75	0.30					
580-27333C	27333C	B	33	0.6	0.45					
580-27473C	27473C	B	47	0.5	0.70					
580-27683C	27683C	B	68	0.42	0.90					
580-27104C	27104C	B	100	0.35	1.30					
580-27154C	27154C	B	150	0.28	2.00					
580-27224C	27224C	B	220	0.24	3.00					
580-27334C	27334C	B	330	0.19	4.50					
580-27474C	27474C	B	470	0.16	6.50					
580-27684C	27684C	B	680	0.14	8.50					
580-27105C	27105C	B	1000	0.11	14.0					
2700T Series • Dimensions (mm) : A-5.4, B-6.45, C-1.0										
580-27T102C	27T102C	B	1.0	2.0	0.08					
580-27T152C	27T152C	B	1.5	1.6	0.10					
580-27T222C	27T222C	B	2.2	1.4	0.12					
580-27T332C	27T332C	B	3.3	1.2	0.16					
580-27T472C	27T472C	B	4.7	1.0	0.20					
580-27T682C	27T682C	B	6.8	0.85	0.32					
580-27T103C	27T103C	B	10	0.7	0.41					
580-27T153C	27T153C	B	15	0.6	0.55					
580-27T223C	27T223C	B	22	0.5	0.85					
580-27T333C	27T333C	B	33	0.4	1.30					
580-27T473C	27T473C	B	47	0.32	1.80					
580-27T683C	27T683C	B	68	0.28	2.50					
580-27T104C	27T104C	B	100	0.23	3.50					
580-27T154C	27T154C	B	150	0.17	5.00					
580-27T224C	27T224C	B	220	0.15	7.00					
580-27T334C	27T334C	B	330	0.13	15.0					

2800 SERIES BOBBIN WOUND SMD INDUCTORS

- Compact size, low profile
- UL94V-0 materials
- Tape & reel packaging

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (µH)	IDC Max. (A)	RDC Max. (mΩ)	Nom. Q @ f MHz	SRF Typ. (MHz)	Price Each			
								1	5	10	
580-28154C	28154C	C	150	1.4	276	20.9	0.8	6.7			
580-28334C	28334C	C	330	0.95	575	30.8	0.8	5.0			
580-28474C	28474C	C	470	0.78	816	31.7	0.8	4.3			
580-28155C	28155C	C	1500	0.41	2620	19.8	0.8	3.4			
580-28335C	28335C	C	3300	0.29	5760	12.8	0.8	3.2			

TOROIDAL SMD INDUCTORS

- Toroidal construction minimizes EMI
- J-STD-020C reflow
- UL 94V-0 materials

For quantities greater than listed, call for quote.

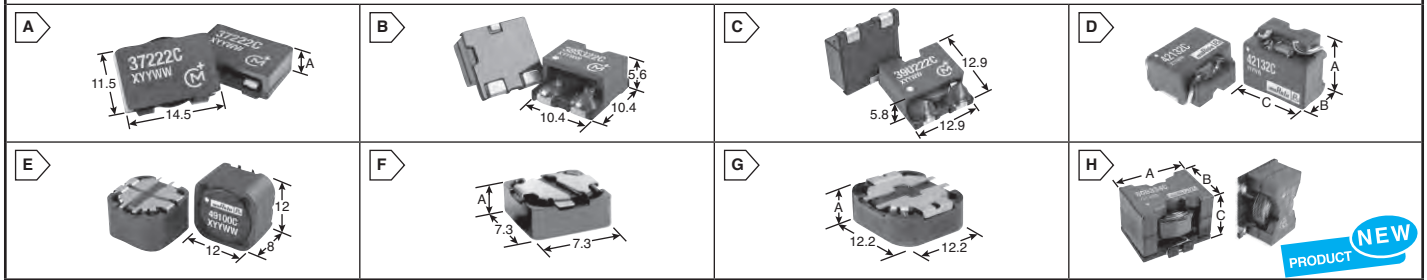
MOUSER STOCK NO.	MPS Part No.	Fig.	L (µH)	IDC Max. (A)	RDC Max. (mΩ)	Price Each		
						1	5	10
4000 Series • Dimensions (mm) : A-14.1, B-14.22, C-8.76								
580-40100C	40100C	F	10	3.00	23			
580-40220C	40220C	F	22	2.10	35			
580-40330C	40330C	F	33	1.66	54			
580-40680C	40680C	F	68	1.20	148			
580-40101C	40101C	F	100	0.94	177			
4100 Series • Dimensions (mm) : A-16.76, B-17.53, C-9.91								
580-41100C	41100C	F	10	4.70	24			
580-41330C	41330C	F	33	2.70	38			
8300 Series • Dimensions (mm) : A-5.2, B-7.80, C-1.80								
580-83421C	83421C	G	0.42	3.00	24			
580-83751C	83751C	G	0.75	2.70	30			
580-83122C	83122C	G	1.2	1.70	65			
580-83172C	83172C	G	1.7	1.55	73			
580-83232C	83232C	G	2.3	1.40	86			
580-83332C	83332C	G	3.3	1.35	98			
580-83472C	83472C	G	4.7	1.10	130			
580-83682C	83682C	G	6.8	0.95	150			
580-83852C	83852C	G	8.5	0.85	167			
580-83103C	83103C	G	10.0	0.75	185			
580-83153C	83153C	G	15.0	0.60	300			
580-83223C	83223C	G	22.0	0.50	350			
580-83333C	83333C	G	33.0	0.42	600			
580-83473C	83473C	G	47.0	0.35	710			
580-83683C	83683C	G	68.0	0.30	850			
580-83823C	83823C	G	82.0	0.27	1250			
580-83104C	83104C	G	100.0	0.24	1320			

MURATA POWER SOLUTIONS Inductors

RoHS Compliant This product is RoHS compliant.



DIMENSIONS: mm



3700 SERIES FLAT COIL SMT POWER INDUCTORS

- High current, low DCR
 - Backward compatible with Sn/Pb soldering systems
 - Pick & place compatible
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	Saturation Current Typ. (A)	RDC Max. (mΩ)	Dimen. A (mm)	Price Each		
								1	5	10
580-37301C	37301C	A	0.30 ±20%	19.5	39	0.9	5.8			
580-37501C	37501C	A	0.50 ±20%	19.5	30	1.0	5.8			
580-37951C	37951C	A	0.95 ±20%	18.0	25	1.3	6.8			
580-37112C	37112C	A	1.1	14.5	20	2.2	5.8			
580-37142C	37142C	A	1.4	16.0	22	1.9	6.8			
580-37222C	37222C	A	2.2	11.5	15	4.0	5.8			
580-37242C	37242C	A	2.4	12.0	16.5	3.0	6.8			
580-37302C	37302C	A	3.0	9.0	13	4.8	5.8			
580-37392C	37392C	A	3.9	10.0	12	4.2	6.8			

4900 SERIES DUAL WINDING SMD INDUCTORS

- Tape & reel packaging
 - Integral EMI shield
 - Bobbin format
 - No voltage breakdown at 500VDC
 - J-STD-020C reflow
 - RoHS Compliant
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	Price Each		
						1	5	10
580-49100C	49100C	E	10	4.5	41			
580-49220C	49220C	E	22	3.0	81			
580-49470C	49470C	E	47	2.1	191			

3800 SERIES FLAT COIL SMT POWER INDUCTORS

- High current, low DCR
 - Backward compatible with Sn/Pb soldering systems
 - Pick & place compatible
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	Saturation Current Typ. (A)	RDC Max. (mΩ)	Dimension A (mm)	Price Each		
								1	5	10
580-38L361C	38L361C	B	0.36 ±30%	18	27	1.8				
580-38L801C	38L801C	B	0.8	16	20	2.5				
580-38L142C	38L142C	B	1.40	12.0	15	3.7				
580-38L222C	38L222C	B	2.20	9.6	12	5				
580-38L322C	38L322C	B	3.20	7.8	10	6.8				
580-38L432C	38L432C	B	4.30	6.8	8.8	9.7				
580-38L572C	38L572C	B	5.70	5.8	7.3	11.9				
580-38L722C	38L722C	B	7.20	5.3	6.6	15.5				
580-38L882C	38L882C	B	8.80	4.8	5.9	19.6				
580-38S221C	38S221C	B	0.22 ±30%	18	35	2.2				
580-38S451C	38S451C	B	0.45	16	27	2.6				
580-38S801C	38S801C	B	0.8	12.5	20	3.7				
580-38S132C	38S132C	B	1.30	10.5	17	5				
580-38S182C	38S182C	B	1.80	9.0	14	6.8				
580-38S252C	38S252C	B	2.50	7.2	12	9.7				
580-38S322C	38S322C	B	3.20	6.5	10	11.9				
580-38S402C	38S402C	B	4.00	5.5	9.1	15.1				
580-38S502C	38S502C	B	5.00	4.9	8.1	20.3				
580-38H151C	38H151C	B	0.15 ±30%	18	38	1.9				
580-38H301C	38H301C	B	0.30 ±30%	16	32	2.2				
580-38H501C	38H501C	B	0.5	12.5	24	3.7				
580-38H801C	38H801C	B	0.8	10.5	20	5				
580-38H122C	38H122C	B	1.20	9	17	6.8				
580-38H152C	38H152C	B	1.50	7.2	14	9.5				
580-38H202C	38H202C	B	2.00	6.5	12	11.8				
580-38H252C	38H252C	B	2.50	5.5	11	15.1				
580-38H302C	38H302C	B	3.00	4.9	9.4	19.4				

3900 SERIES FLAT COIL SMT POWER INDUCTORS

- Compact size
 - Backward compatible with Sn/Pb soldering systems
 - Pick & place compatible
 - J-STD-020D reflow
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	SRF Typ. (MHz)	Dimensions: mm	Price Each		
								A	B	C
580-39S681C	39S681C	C	0.68 ±30%	19.5	20.4	1.9				
580-39S152C	39S152C	C	1.50 ±30%	13.5	14.0	2.5				
580-39S252C	39S252C	C	2.50	10.0	10.0	3.9				
580-39S402C	39S402C	C	4.00	8.3	8.3	5.4				
580-39S602C	39S602C	C	6.00	6.7	6.7	8.0				
580-39S822C	39S822C	C	8.20	5.8	5.8	11.4				
580-39S103C	39S103C	C	10.00	5.0	5.0	13.5				
580-39H471C	39H471C	C	0.47 ±30%	19.5	28.8	1.9				
580-39H102C	39H102C	C	1.00	17.5	20.0	2.5				
580-39H182C	39H182C	C	1.80	13.5	15.3	3.9				
580-39H282C	39H282C	C	2.80	11.0	12.3	5.4				
580-39H402C	39H402C	C	4.00	9.7	10.3	8.0				
580-39H562C	39H562C	C	5.60	8.2	8.8	11.4				
580-39H722C	39H722C	C	7.20	6.6	7.8	13.5				
580-39U351C	39U351C	C	0.35 ±30%	19.5	35.0	1.9				
580-39U801C	39U801C	C	0.80 ±30%	18.0	25.7	2.5				
580-39U142C	39U142C	C	1.40	13.5	19.2	3.9				
580-39U222C	39U222C	C	2.20	11.0	14.8	5.4				
580-39U322C	39U322C	C	3.20	9.7	12.8	8.0				
580-39U432C	39U432C	C	4.30	8.2	11	11.4				
580-39U562C	39U562C	C	5.60	6.6	9.5	13.5				

4200 SERIES TOROIDAL SMD INDUCTORS

- Toroidal construction minimizes EMI
 - Compact size
 - Pick & place compatible
 - J-STD-020-C reflow
 - UL94V-0 package materials
 - RoHS Compliant
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	SRF Typ. (MHz)	Dimensions: mm			Price Each		
							A	B	C	1	5	10
580-42652C	42652C	D	6.50	12.4	6.0	57	18.80	9.9	18.80			
580-42103C	42103C	D	10.20	15.4	6.0	38	23.88	9.9	23.88			
580-42183C	42183C	D	17.60	10.9	11.6	24	23.88	9.9	23.88			

SHIELDED SMD POWER INDUCTORS

- Bobbin format
 - Tape & reel packaging
 - J-STD-020-C reflow
 - Integral EMI shield
 - UL94V-0 materials
 - RoHS Compliant
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	Dimension A (mm)	Price Each			
							1	5	10	
4500 Series										
580-45102C	45102C	F	1.0	6.0	14	3.55				
580-45332C	45332C	F	3.3	3.7	34	3.55				
580-45103C	45103C	F	10	2.2	82	3.55				
580-45153C	45153C	F	15	1.8	120	3.55				
580-45223C	45223C	F	22	1.35	180	3.55				
580-45333C	45333C	F	33	1.25	250	3.55				
580-45473C	45473C	F	47	1.05	360	3.55				
580-45683C	45683C	F	68	0.82	510	3.55				
580-45104C	45104C	F	100	0.70	710	3.55				
580-45224C	45224C	F	220	0.50	1550	3.55				
4600 Series										
580-46332C	46332C	F	3.3	4.3	29	4.55				
580-46682C	46682C	F	6.8	3.1	52	4.55				
580-46103C	46103C	F	10	2.4	66	4.55				
580-46223C	46223C	F	22	1.8	120	4.55				
580-46333C	46333C	F	33	1.45	190	4.55				
580-46683C	46683C	F	68	1.05	360	4.55				
580-46104C	46104C	F	100	0.86	500	4.55				
580-46334C	46334C	F	330	0.46	1850	4.55				
580-46684C	46684C	F	680	0.32	3900	4.55				
580-46105C	46105C	F	1000	0.27	4900	4.55				

For quantities greater than listed, call for quote.

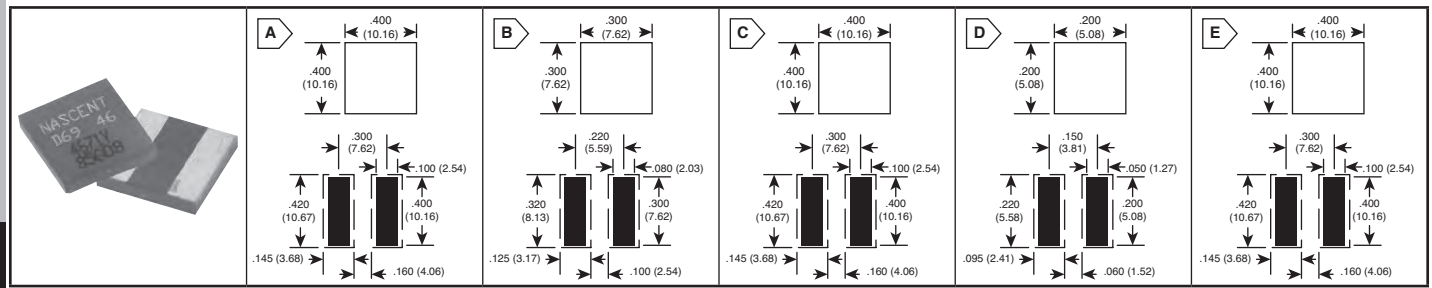
MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	Nom. Q @ f (MHz)		SRF Typ. (MHz)	Dimen. A (mm)	Price Each		
						Q	F			1	5	10
4700S Series												
580-47470SC	47470SC	G	47	1.9	168	23	1	11	5			
580-47680SC	47680SC	G	68	1.6	210	23	1	9	5			
4800S Series												
580-48100SC	48100SC	G	10	4.5	28	32	1	20	6			
580-48330SC	48330SC	G	33	2.8	73	31	1	11	6			
580-48680SC	48680SC	G	68	1.8	145	33	1	9	6			
4900S Series												
580-49680SC	49680SC	G	68	2.0	143	47	1	7	8			
580-49102SC	49102SC	G	1000	0.50	1500	26	0.8	3	8			

6000A SERIES HIGH-CURRENT SMT POWER INDUCTORS

- High energy storage, low resistance
 - J-STD-020D-1 reflow
 - Tape and reel packaging
 - UL 94V-0 packaging materials
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	L (μH)	IDC Max. (A)	RDC Max. (mΩ)	SRF Typ. (MHz)	Dimen. A (mm)			Price Each		
							A	B	C	1	5	10
580-60A582C	60A582C	H	5.8	14.5	5	31	22.0	19.0	12.0			
580-60A782C	60A782C	H	7.8	13.5	6	26	22.0	19.0	12.0			
580-60A103C	60A103C	H	10.2	12.0	7	21	22.0	19.0	12.0			
580-60A163C	60A163C	H	16.0	9.6	9	17	22.0	19.0	12.0			
580-60A193C	60A193C	H	19.4	8.5	11	15	22.0	19.0	12.0			
580-60A233C	60A233C	H	23.0	8.4	12	13	22.0	19.0	12.0			
580-60A273C	60A273C	H	27.0	7.5	15	13	22.0					

NASCENTechnology 85XXX SERIES, LTCC HIGH TEMPERATURE INDUCTORS



- Features:**
- Usable to 300°C
 - High Temperature
 - Low Profile
 - Rugged Packaging

- Applications:**
- Triggering
 - Signaling

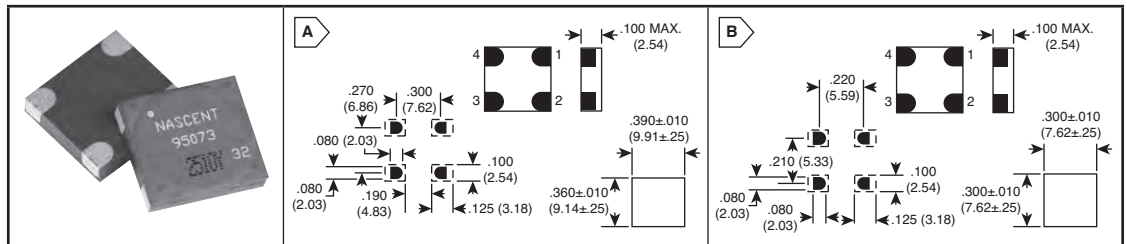
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NASCENTechnology Part No.	Fig.	No Load Inductance (μH)	Tolerance 100 (mA)	Nominal DC Resistance (Ω)	Rated Current (mA)	Price Each		Reel Qty	Price Each
							1	25		
0.27x0.27 inch size										
982-85008	85008	A	15	20%	0.40	-			50	
982-85012	85012	A	35	25%	0.60	530			50	
982-85016	85016	A	63	30%	0.80	-			50	
0.30x0.30 inch size										
982-85024	85024	B	10	20%	0.20	-			50	
982-85032	85032	B	48	25%	0.60	-			50	
982-85035	85035	B	86	20%	1.90	-			50	
0.40x0.40 inch size										
982-85043	85043	C	7.2	20%	0.10	1050			50	
982-85044	85044	C	13	20%	0.20	1000			50	
982-85047	85047	C	20	20%	0.19	900			50	
982-85052	85052	C	54	20%	0.95	530			25	
982-85055	85055	C	100	20%	1.75	360			25	
982-85056	85056	C	115	20%	1.00	430			25	
982-85058	85058	C	210	20%	2.00	330			25	
0.2x0.2 inch (5x5 mm)										
982-85071	85071	D	3.7	25%	0.14	-			50	
982-85072	85072	D	15	25%	0.7	-			50	
982-85073	85073	D	38	25%	2	-			50	
0.2x0.2 inch (5x5 mm)										
982-85081	85081	E	10.7	20%	0.28	-			50	
982-85082	85082	E	52	20%	1.4	-			50	
982-85083	85083	E	91	20%	2.75	-			50	

NASCENTechnology LTCC HIGH VOLTAGE FLYBACK TRANSFORMERS

- Features:**
- Low Profile
 - Rugged Package
 - Self shielding
 - Customization available
 - Pick and place

- Applications:**
- Triggering
 - Signaling



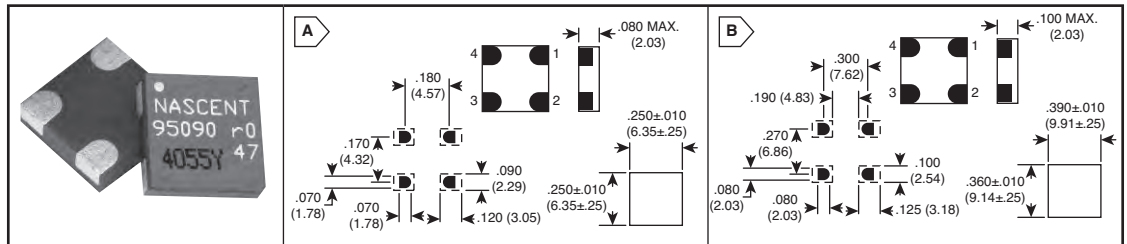
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NASCENTechnology Part No.	Fig.	Primary Inductance (μH)	Primary Resistance	Dielectric Rating (V)	Turns Ratio	Price Each		Reel Qty	Price Each
							1	25		
982-95073	95073	A	75	35Ω	1500	1:8			100	
982-95075	95075	B	28.0	1.45Ω	1500	1:08			100	

NASCENTechnology LTCC PULSE TRANSFORMER

- Features:**
- Low profile
 - Rugged package
 - Self shielding
 - Pick and place
 - 1500VAC Isolation
 - Customization available
 - Operating Temperature: -40°C to +85°C
 - Operating Frequency: 50kHz and up

- Applications:**
- Triggering
 - Signaling



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NASCENTechnology Part No.	Fig.	Primary Inductance (μH)	Primary Resistance	Dielectric Rating (V)	Turns Ratio	Price Each		Reel Qty	Price Each
							1	25		
982-95090	95090	A	400	4.85Ω	1500	1:1			25	

NASCENTechnology 95092-9507 SERIES-HIGH TEMPERATURE, HIGH VOLTAGE FLYBACK TRANSFORMERS

- Features:**
- Operating Temperature Range : -55°C to 250°C
 - Switching Frequency to 300kHz
- Applications:**
- High voltage boost converters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NASCENTechnology Part No.	Fig.	Primary Inductance (μH)	Primary Resistance	Dielectric Rating (V)	Turns Ratio	Price Each		Reel Qty	Price Each
							1	25		
982-95092	95092	B	40	1.45Ω	1500	1:8			25	
982-95097	95097	B	40	1.45Ω	1500	1:8			25	

PANASONIC SMD Power Choke Coils

Panasonic

RoHS Compliant This product is RoHS compliant.

ETQ-P3W SERIES

Features:

- Low profile at 3mm height
- Low DC resistance (DCR) for high frequency
- Rated power range: 8.1A down to 3.8A for inductances ranging from 0.92μH to 4.2μH
- Metal composite core material
- Wirewound construction
- Shielded

Benefits:

- Linear inductance vs. current performance
- Structural integrity
- Low audible noise
- Vibration tolerant

Applications:

- DC-to-DC conversion
- Battery powered devices

Industries:

- Communications
- Industrial
- Computer
- Transportation



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (@ 20°C)			Rated Current (A)	DC Resistance (at 20°C) (mΩ)	Price Each				Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.		L0 at 0A (μH)	L1 Reference (μH)	Measurement Current (A)			1	50	100	500		
667	—ETQ-P3W1R0WFN	A	1.0±20%	(0.92)	8.1	8.1	6.9±15 %					1000	
667	—ETQ-P3W1R5WFN	A	1.5±20%	(1.33)	6.6	6.6	9.8±15 %					1000	
667	—ETQ-P3W2R2WFN	A	2.2±20%	(1.95)	5.8	5.8	15.5±15 %					1000	
667	—ETQ-P3W3R3WFN	A	3.3±20%	(2.90)	4.8	4.8	25.0±15 %					1000	
667	—ETQ-P3W4R7WFN	A	4.7±20%	(4.20)	3.8	3.8	33.0±15 %					1000	

PCC-D124H SERIES

Features:

- High power, high inductance (No saturation performance limitation due to metal dust core) (17A to 32A/1.25μH to 0.32μH)
- Low loss due to low R_{DC} (using flat wire)
- Low buzz noise due to its gap-less structure
- Surface mount, low profile (H)3.9mm x (L)13.0mm x (W)12.9mm

Applications:

- DC-DC converter for CPU in PCs
- Thin on-board power supply modules for servers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance @ 20°C						Idc (A)	DCR (mΩ)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.		L1			L2 Reference					1	25	100		
		Value (μH)	Tol.	Current (A)	Value (μH)	Current (A)									
667	—ETQ-P3H0R4BFA	B	0.36	±20%	23	0.32	32	23	1.04				500		
667	—ETQ-P3H0R8BFA	B	0.8	±20%	16	0.71	22	16	2.33				500		
667	—ETQ-P3H1R4BFA	B	1.43	±20%	12	1.25	17	12	4.52				500		
667	—ETQ-P6F0R6BFA	B	0.58	±20%	19	0.54	27	19	1.44				500		
667	—ETQ-P6F1R1BFA	B	1.06	±20%	16	0.99	22	16	2.24				500		
667	—ETQ-P6F1R8BFA	B	1.71	±20%	14	1.5	20	14	3.3				500		
667	—ETQ-P6F2R5BFA	B	2.45	±20%	12	2.17	17	12	4.92				500		
667	—ETQ-P6F3R4BFA	B	3.32	±20%	10	2.96	14	10	6.48				500		

PCC-F126F SERIES

Features:

- High Power (Isat 20A/100°C)
- Thin profile (5.7mm height)/SMD
- Low leakage flux

Applications:

- DC-DC converter for driving PCs at high speed
- On-board power supply module for DC-DC converters (10 to 40W)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Type	Initial Inductance @ 25°C		Inductance @ Flat Point		Saturation Current Isat (A Min.)		I (A)	DCR (mΩ) (Max.)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.			Value (μH)	Tol.	Value (μH)	Tol.	@25°C	@100°C			1	25	100		
667	—ETQ-P6F1R2HFA	C	HL	2.3	±30%	1.2	±30%	14.3	11.7	14.2	2.24				500	
667	—ETQ-P6F2R0HFA	C	HL	3.5	±30%	2	±30%	10.7	8.7	12.5	3.3				500	
667	—ETQ-P6F3R2HFA	C	HL	4.8	±20%	3.2	±20%	8.6	7.1	10.8	4.92				500	
667	—ETQ-P6F4R6HFA	C	HL	6.6	±20%	4.6	±20%	7.3	6	9.3	6.48				500	
667	—ETQ-P6F6R4HFA	C	HL	8.3	±20%	6.4	±20%	6.2	5.2	7.9	8.64				500	
667	—ETQ-P6F8R2HFA	C	HL	10.4	±20%	8.2	±20%	6	5	7.2	10.9				500	
667	—ETQ-P6F10R2HFA	C	HL	12.5	±20%	10.2	±20%	4.7	4	6.5	13.3				500	
667	—ETQ-P6F1R0SFA	C	SP	1.9	±30%	1	±30%	19.4	15.4	14.2	2.24				500	
667	—ETQ-P6F1R6SFA	C	SP	2.8	±30%	1.6	±30%	14.9	12.2	12.5	3.3				500	
667	—ETQ-P6F2R5SFA	C	SP	3.6	±30%	2.5	±30%	11.3	9.3	10.8	4.92				500	
667	—ETQ-P6F3R5SFA	C	SP	4.9	±30%	3.5	±30%	9.5	8	9.3	6.48				500	
667	—ETQ-P6F0R8LFA	C	LB	1.8	±30%	0.8	±30%	25.2	20	14.2	2.24				500	
667	—ETQ-P6F1R3LFA	C	LB	2.5	±30%	1.3	±30%	18.6	15.8	12.5	3.3				500	
667	—ETQ-P6F2R0LFA	C	LB	3.1	±30%	2	±30%	15.1	12.1	10.8	4.92				500	
667	—ETQ-P6F2R9LFA	C	LB	4.1	±30%	2.9	±30%	12	10	9.3	6.48				500	
667	—ETQ-P6F4R1LFA	C	LB	5.0	±20%	4.1	±20%	10.8	8.7	7.9	8.64				500	

PCC-D125H SERIES

Features:

- High power, high inductance (No saturation performance limitation due to metal dust core) (17A to 50A/2.12μH to 0.24μH)
- Low loss due to low R_{DC} (using flat wire)
- Low buzz noise due to its gap-less structure
- Surface mount, low profile (H) 4.9mm x (L) 13.0mm x (W) 12.9mm

Applications:

- DC-DC converter for CPU in PCs
- Thin on-board power supply modules for servers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance @ 20°C						Idc (A)	DCR (mΩ)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.		L1			L2 Reference					1	25	100		
		Value (μH)	Tol.	Current (A)	Value (μH)	Current (A)									
667	—ETQ-P2H1R2BFA	D	1.22	±20%	16	1.04	22	16	2.27				500		
667	—ETQ-P2H1R8BFA	D	1.83	±20%	14	1.49	20	14	3.48				500		
667	—ETQ-P2H2R6BFA	D	2.61	±20%	12	2.12	17	12	4.98				500		

PCC-M104L SERIES

Features:

- Small mounting size for multi-phase DC-DC converter circuits
- Small type (11.5x10.0x4.0mm)
- High power (21A to 28A)
- Low loss (R_{DC}: 0.7mΩ to 1.56mΩ)
- Tighter DCR tolerance (±5% to ±10%)
- Suitable for high frequency circuit (up to 1MHz)
- Low buzz noise due to its gap-less structure

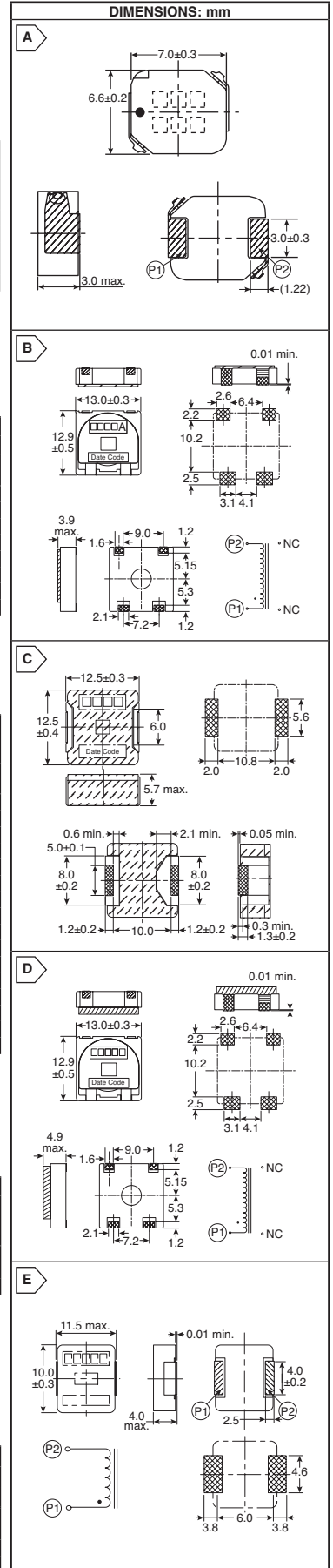
Applications:

- Servers, routers, DC-DC converters for driving CPUs
- Notebook PC power supply modules



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance @ 20°C						Idc (A)	DCR (mΩ)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.		L0@0A			L1					L2 Reference				
		Value (μH)	Tol.	Current (A)	Value (μH)	Current (A)									
667	—ETQ-P4LR19WFC	E	0.2	0.19	0.21	0.17	0.3	0.28	0.7				500		
667	—ETQ-P4LR36WFC	E	0.37	0.36	0.38	0.34	0.34	24	1.1				500		
667	—ETQ-P4LR56WFC	E	0.6	0.56	0.6	0.53	0.53	21	1.56				500		
667	—ETQ-P4LR45WFC	E	0.45	~	~	0.38	0.38	25	1.1				500		



PANASONIC SMD Choke Coils

RoHS Compliant This product is RoHS compliant.

Panasonic

SMD POWER CHOKE COILS

PCC-M125I Series

- Features:**
- High power (25A to 30A)
 - Low loss (R_{DC} : 0.8mΩ to 1.1mΩ)
 - Narrow R_{DC} tolerance ($\pm 5\%$ to $\pm 7\%$)
 - Low profile (14.5x12.5xH5.0mm)
 - High frequency (up to 1MHz)
 - Low buzz noise due to its gap-less structure

- Applications:**
- Servers, routers, DC-DC converters for driving CPUs
 - Notebook PC power supply modules



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance @ 20°C				Idc (A)	DCR (mΩ)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.		L1		L2 Reference				1	25	100		
			Value (uH)	Current (A)	Value (uH)	Current (A)							
667	—ETQ-P5LR50XFA	A	0.5	30	0.46	42	30	0.8				500	
667	—ETQ-P5LR60XFA	A	0.6	30	0.54	42	27	1.1				500	

PCC-M0754M/M0854M/M1050M/M1054M Series

- Features:**
- High heat resistance: operation up to 150°C
 - High reliability: high vibration tolerance in high temperature due to newly developed integral construction and severe condition of automotive application is cleared
 - High bias current: excellent inductance stability by using ferrous alloy magnetic material
 - Temp. stability: excellent inductance stability in wide temp. range
 - Low buzz noise: new metal composite core technology
 - High efficiency: low R_{DC} of winding and low eddy-current loss of the core

- Applications:**
- Noise filter for various drive circuitry requiring high temp. operation and peak current handling capability
 - DC-DC converters

DIMENSIONS: mm

Series	L	W	H Max.	a
M0754M	7.0±0.4	7.5±0.4	5.4	3.0±0.3
M0854M	8.0±0.4	8.5±0.4	5.4	3.0±0.3
M1050M	10.0±0.4	10.7±0.5	5.0	4.2±0.3
M1054M	10.7±0.5	10.0±0.4	5.4	4.2±0.3

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Series	Inductance @ 20°C		Idc		DCR (mΩ)		Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.			Value (uH)	Tol.	Rated Current	Refer. Current	Typ. (mΩ)	Tol.	1	25	100		
667	—ETQP5M4R7YFM	B	M0754M	4.7	±20	2.8	4.5	20.4	±10				500	
667	—ETQ-P5M470YFM	B	M0754M	48	±20	1	1.6	156	±10				500	
667	—ETQ-P5M2R5YFK	B	M0854M	2.45	±20	4.5	7.5	7.6	±10				500	
667	—ETQ-P5M220YFK	B	M0854M	22	±20	1.6	2.6	63	±10				500	
667	—ETQP5M470YFK	B	M0854M	48	±20	1.1	1.8	125	±10				500	
667	—ETQP5M101YGC	B	M1050M	97	±20	1	1.6	208	±10				500	
667	—ETQ-P5M2R5YFC	B	M1054M	2.5	±20	6	10	5.3	±10				500	
667	—ETQP5M3R3YFC	B	M1054M	3.3	±20	5.1	8.6	7.1	±10				500	
667	—ETQP5M4R7YFC	B	M1054M	4.7	±20	4.4	7.2	10.2	±10				500	

SMD CHIP CHOKE COILS

ELL - VEG/VFG-C/VGG Series

- Features:**
- Magnetically shielded structure
 - Low DC resistance and large current capability
 - Shock resistant

- Applications:**
- DC-DC converter circuitry for computer peripherals and cellular phones
 - Chopper circuit decoupling chokes for DC-DC converter circuitry

Type H

ELLVEG	1.0 max.
ELLVFG-C	1.2 max.
ELLVGG	1.5 max.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (uF)	Tol.	DCR (mΩ)	Isat (mA Max.)	I temp (mA Max.)	Price Each				Reel Qty.	Price Per Piece
								1	25	100	500		
VEG Series													
667-ELL-VEG1R0N	ELL-VEG1R0N	C	1.0	±30%	61	1900	1600					2000	
667-ELL-VEG2R2N	ELL-VEG2R2N	C	2.2	±30%	110	1100	1250					2000	
667-ELL-VEG3R3N	ELL-VEG3R3N	C	3.3	±30%	210	1000	820					2000	
667-ELL-VEG4R7N	ELL-VEG4R7N	C	4.7	±30%	240	750	770					2000	
667-ELL-VEG6R8N	ELL-VEG6R8N	C	6.8	±30%	350	580	650					2000	
667-ELL-VEG100M	ELL-VEG100M	C	10	±20%	480	520	600					2000	
667-ELL-VEG150M	ELL-VEG150M	C	15	±20%	710	430	490					2000	
667-ELL-VEG220M	ELL-VEG220M	C	22	±20%	1200	330	400					2000	
667-ELL-VEG330M	ELL-VEG330M	C	33	±20%	2300	260	290					2000	
667-ELL-VEG470M	ELL-VEG470M	C	47	±20%	2700	220	250					2000	
667-ELL-VEG680M	ELL-VEG680M	C	68	±20%	3500	180	220					2000	
VFG Series													
667-ELL-VFG1R0NC	ELL-VFG1R0NC	C	1.0	±30%	50	1500	1700					2000	
667-ELL-VFG1R5NC	ELL-VFG1R5NC	C	1.5	±30%	61	1300	1550					2000	
667-ELL-VFG2R2NC	ELL-VFG2R2NC	C	2.2	±30%	87	1100	1400					2000	
667-ELL-VFG3R3NC	ELL-VFG3R3NC	C	3.3	±30%	110	980	1250					2000	
667-ELL-VFG4R7NC	ELL-VFG4R7NC	C	4.7	±30%	150	740	1050					2000	
667-ELL-VFG100MC	ELL-VFG100MC	C	10	±20%	380	550	640					2000	
667-ELL-VFG150MC	ELL-VFG150MC	C	15	±20%	540	500	480					2000	
667-ELL-VFG220MC	ELL-VFG220MC	C	22	±20%	710	350	430					2000	
667-ELL-VFG330MC	ELL-VFG330MC	C	33	±20%	1160	280	330					2000	
VGG Series													
667-ELL-VGG1R0N	ELL-VGG1R0N	C	1.0	±30%	52	2200	1800					2000	
667-ELL-VGG1R6N	ELL-VGG1R6N	C	1.6	±30%	73	1800	1550					2000	
667-ELL-VGG2R2N	ELL-VGG2R2N	C	2.2	±30%	92	1600	1400					2000	
667-ELL-VGG3R3N	ELL-VGG3R3N	C	3.3	±30%	130	1350	1100					2000	
667-ELL-VGG3R9N	ELL-VGG3R9N	C	3.9	±30%	150	1300	1000					2000	
667-ELL-VGG4R7N	ELL-VGG4R7N	C	4.7	±30%	170	1200	980					2000	
667-ELL-VGG6R8N	ELL-VGG6R8N	C	6.8	±30%	230	1000	800					2000	
667-ELL-VGG100M	ELL-VGG100M	C	10	±20%	280	800	730					2000	
667-ELL-VGG120M	ELL-VGG120M	C	12	±20%	480	690	580					2000	
667-ELL-VGG150M	ELL-VGG150M	C	15	±20%	640	600	490					2000	
667-ELL-VGG220M	ELL-VGG220M	C	22	±20%	800	500	460					2000	
667-ELL-VGG330M	ELL-VGG330M	C	33	±20%	1330	450	340					2000	
667-ELL-VGG470M	ELL-VGG470M	C	47	±20%	2100	350	270					2000	

SMD CHOKE COILS

ELL-5PR Series

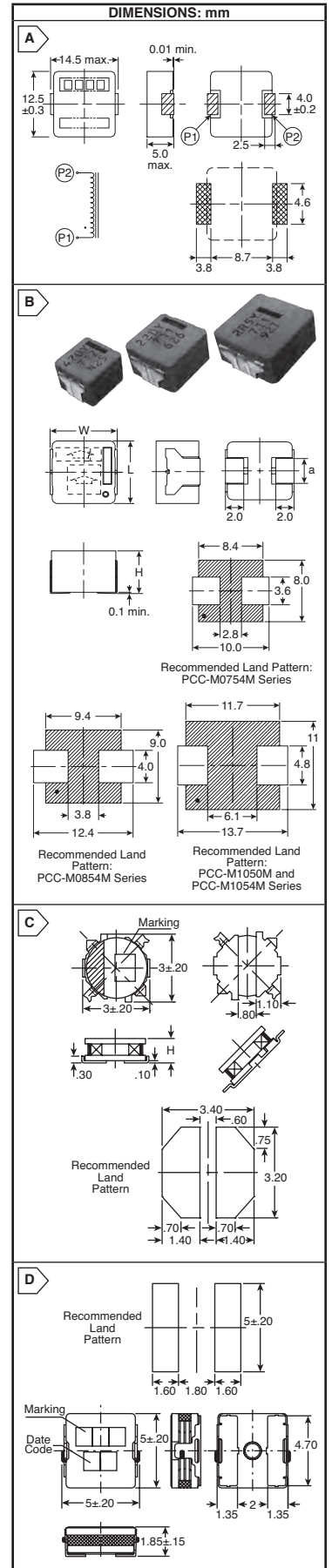
- Features:**
- Magnetically shielded structure
 - Low DC resistance and large current capability

- Applications:**
- DC-DC converter circuitry for computer peripherals and cellular phones
 - Chopper circuit decoupling chokes for DC-DC converter circuitry

PRODUCT NEW

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (uF)	Tol.	DCR (mΩ)	Idc (mA Max.)	Price Each				Reel Qty.	Price Per Piece
							1	25	100	500		
667-ELL-5PRR47N	ELL-5PRR47N	D	0.47	±30%	12	5000					2000	
667-ELL-5PR1R2N	ELL-5PR1R2N	D	1.2	±30%	21	4200					2000	
667-ELL-5PR1R5N	ELL-5PR1R5N	D	1.5	±30%	25	4000					2000	
667-ELL-5PR2R2N	ELL-5PR2R2N	D	2.2	±30%	32	3200					2000	
667-ELL-5PR3R3N	ELL-5PR3R3N	D	3.3	±30%	37	2600					2000	
667-ELL-5PR4R7N	ELL-5PR4R7N	D	4.7	±30%	56	2200					2000	
667-ELL-5PR6R8N	ELL-5PR6R8N	D	6.8	±30%	85	1700					2000	
667-ELL-5PR100M	ELL-5PR100M	D	10	±20%	100	1400					2000	



PANASONIC Fixed Inductors

Panasonic

RoHS Compliant This product is RoHS compliant.

SMD CHOKE COILS

ELL-5PS Series

Features:

- Magnetically shielded structure
- Low DC resistance and large current capability

Applications:

- DC-DC converter circuitry for computer peripherals and cellular phones
- Chopper circuit decoupling chokes for DC-DC converter circuitry

PRODUCT NEW

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (μF)	Tol.	DCR (mΩ)	Idc (mA Max.)	Price Each				Reel Qty.	Price Per Piece
							1	25	100	500		
667-ELL-5PS1R2N	ELL-5PS1R2N	A	1.2	±30%	22	2500					2000	
667-ELL-5PS1R5N	ELL-5PS1R5N	A	1.5	±30%	28	2400					2000	
667-ELL-5PS2R2N	ELL-5PS2R2N	A	2.2	±30%	34	2100					2000	
667-ELL-5PS2R7N	ELL-5PS2R7N	A	2.7	±30%	40	2000					2000	
667-ELL-5PS3R3N	ELL-5PS3R3N	A	3.3	±30%	46	1900					2000	
667-ELL-5PS4R7N	ELL-5PS4R7N	A	4.7	±30%	61	1500					2000	
667-ELL-5PS100M	ELL-5PS100M	A	10	±20%	120	1000					2000	
667-ELL-5PS150M	ELL-5PS150M	A	15	±20%	170	790					2000	
667-ELL-5PS220M	ELL-5PS220M	A	22	±20%	290	650					2000	
667-ELL-5PS330M	ELL-5PS330M	A	33	±20%	470	490					2000	
667-ELL-5PS470M	ELL-5PS470M	A	47	±20%	620	450					2000	
667-ELL-5PS560M	ELL-5PS560M	A	56	±20%	680	430					2000	
667-ELL-5PS680M	ELL-5PS680M	A	68	±20%	750	380					2000	
667-ELL-5PS820M	ELL-5PS820M	A	82	±20%	1160	340					2000	
667-ELL-5PS101M	ELL-5PS101M	A	100	±20%	1320	300					2000	

ELL-6GG/6PG Series

Features:

- Magnetically shielded structure
- Low DC resistance and large current capability

Applications:

- DC-DC converter circuitry for computer peripherals and cellular phones
- Chopper circuit decoupling chokes for DC-DC converter circuitry

Type	H
ELL6GG	1.6 max.
ELL6PG	2.0 max.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (μF)	Tol.	DCR (mΩ)	Isat (mA Max.)	I temp (mA Max.)	Price Each				Reel Qty.	Price Per Piece
								1	25	100	500		
6GG Series													
667-ELL-6GG1R0N	ELL-6GG1R0N	B	1.0	±30%	27	2,500	2,500					1,000	
667-ELL-6GG1R5N	ELL-6GG1R5N	B	1.5	±30%	36	2,300	2,250					1,000	
667-ELL-6GG2R2M	ELL-6GG2R2M	B	2.2	±20%	45	1,950	2,000					1,000	
667-ELL-6GG2R7M	ELL-6GG2R7M	B	2.7	±20%	54	1,850	1,800					1,000	
667-ELL-6GG3R9M	ELL-6GG3R9M	B	3.9	±20%	60	1,650	1,700					1,000	
667-ELL-6GG4R7M	ELL-6GG4R7M	B	4.7	±20%	70	1,400	1,550					1,000	
667-ELL-6GG6R8M	ELL-6GG6R8M	B	6.8	±20%	110	1,150	1,300					1,000	
667-ELL-6GG100M	ELL-6GG100M	B	10	±20%	170	900	1,000					1,000	
667-ELL-6GG150M	ELL-6GG150M	B	15	±20%	210	800	900					1,000	
667-ELL-6GG220M	ELL-6GG220M	B	22	±20%	300	620	850					1,000	
667-ELL-6GG330M	ELL-6GG330M	B	33	±20%	510	490	580					1,000	
667-ELL-6GG470M	ELL-6GG470M	B	47	±20%	610	400	480					1,000	
667-ELL-6GG680M	ELL-6GG680M	B	68	±20%	860	380	410					1,000	
667-ELL-6GG101M	ELL-6GG101M	B	100	±20%	1,480	300	350					1,000	
6PG Series													
667-ELL-6PGR08N	ELL-6PGR08N	B	0.8	±30%	24	3,800	2,800					1,000	
667-ELL-6PG1R5N	ELL-6PG1R5N	B	1.5	±30%	30	2,500	2,500					1,000	
667-ELL-6PG2R2N	ELL-6PG2R2N	B	2.2	±30%	37	2,200	2,200					1,000	
667-ELL-6PG3R3N	ELL-6PG3R3N	B	3.3	±30%	44	1,700	2,000					1,000	
667-ELL-6PG3R9N	ELL-6PG3R9N	B	3.9	±30%	51	1,600	1,900					1,000	
667-ELL-6PG4R7N	ELL-6PG4R7N	B	4.7	±30%	58	1,500	1,750					1,000	
667-ELL-6PG5R6N	ELL-6PG5R6N	B	5.6	±30%	65	1,450	1,650					1,000	
667-ELL-6PG6R8N	ELL-6PG6R8N	B	6.8	±30%	70	1,400	1,600					1,000	
667-ELL-6PG100M	ELL-6PG100M	B	10	±20%	110	1,300	1,300					1,000	
667-ELL-6PG150M	ELL-6PG150M	B	15	±20%	150	1,000	1,100					1,000	
667-ELL-6PG220M	ELL-6PG220M	B	22	±20%	230	800	900					1,000	
667-ELL-6PG270M	ELL-6PG270M	B	27	±20%	260	730	800					1,000	
667-ELL-6PG330M	ELL-6PG330M	B	33	±20%	300	700	750					1,000	
667-ELL-6PG470M	ELL-6PG470M	B	47	±20%	470	550	600					1,000	
667-ELL-6PG560M	ELL-6PG560M	B	56	±20%	520	500	550					1,000	
667-ELL-6PG680M	ELL-6PG680M	B	68	±20%	700	420	500					1,000	
667-ELL-6PG820M	ELL-6PG820M	B	82	±20%	800	400	450					1,000	
667-ELL-6PG101M	ELL-6PG101M	B	100	±20%	1,000	380	400					1,000	

ELL-6RH Series

Features:

- Thin (height 2.5 mm, 3.0 mm)
- Higher reliability in mounting by separating the user terminal and internal connection
- Large current capability

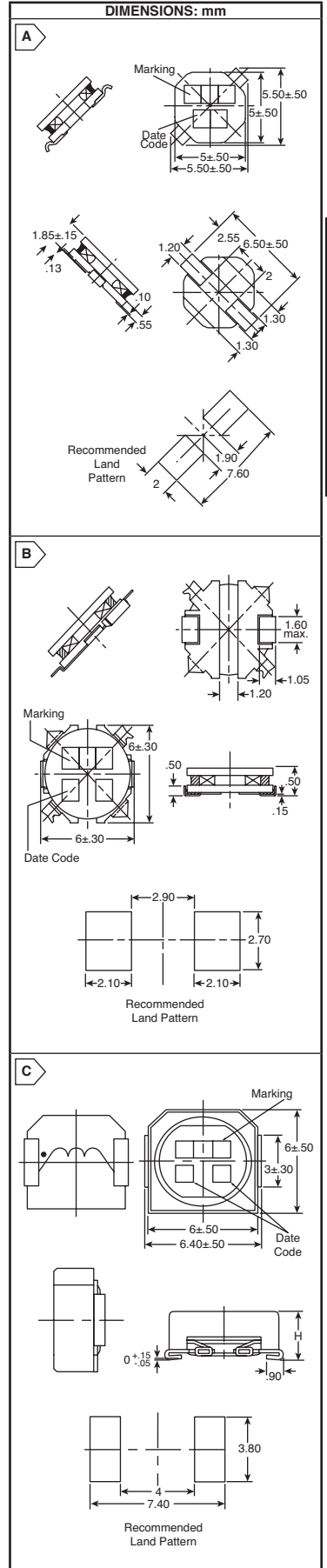
Applications:

- Video, Audio, Mobile communications, Electric battery driven equipment
- As a decoupling choke coil in DC-DC converters

Type	H
ELL6RH	2.5 ± 30
ELL6SH	3 ± 30
ELL6UH	5 max.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (μF)	Tol.	DCR (mΩ)	Idc (mA Max.)	Price Each				Reel Qty.	Price Per Piece
							1	25	100	500		
667-ELL-6RH1R0M	ELL-6RH1R0M	C	1.0	±20%	19	3,000					1,000	
667-ELL-6RH1R5M	ELL-6RH1R5M	C	1.5	±20%	24	2,400					1,000	
667-ELL-6RH2R7M	ELL-6RH2R7M	C	2.7	±20%	39	1,800					1,000	
667-ELL-6RH3R3M	ELL-6RH3R3M	C	3.3	±20%	44	1,600					1,000	
667-ELL-6RH5R1M	ELL-6RH5R1M	C	5.1	±20%	56	1,550					1,000	
667-ELL-6RH6R2M	ELL-6RH6R2M	C	6.2	±20%	62	1,400					1,000	
667-ELL-6RH7R5M	ELL-6RH7R5M	C	7.5	±20%	80	1,250					1,000	
667-ELL-6RH8R2M	ELL-6RH8R2M	C	8.2	±20%	87	1,200					1,000	
667-ELL-6RH100M	ELL-6RH100M	C	10	±20%	95	1,100					1,000	
667-ELL-6RH120M	ELL-6RH120M	C	12	±20%	130	1,000					1,000	
667-ELL-6RH150M	ELL-6RH150M	C	15	±20%	150	850					1,000	
667-ELL-6RH180M	ELL-6RH180M	C	18	±20%	170	800					1,000	
667-ELL-6RH220M	ELL-6RH220M	C	22	±20%	220	700					1,000	
667-ELL-6RH270M	ELL-6RH270M	C	27	±20%	260	650					1,000	
667-ELL-6RH330M	ELL-6RH330M	C	33	±20%	380	600					1,000	
667-ELL-6RH390M	ELL-6RH390M	C	39	±20%	410	550					1,000	
667-ELL-6RH470M	ELL-6RH470M	C	47	±20%	480	500					1,000	
667-ELL-6RH560M	ELL-6RH560M	C	56	±20%	540	450					1,000	
667-ELL-6RH680M	ELL-6RH680M	C	68	±20%	770	400					1,000	
667-ELL-6RH820M	ELL-6RH820M	C	82	±20%	870	350					1,000	
667-ELL-6RH101M	ELL-6RH101M	C	100	±20%	1000	300					1,000	
667-ELL-6RH121M	ELL-6RH121M	C	120	±20%	1500	280					1,000	
667-ELL-6RH151M	ELL-6RH151M	C	150	±20%	1800	250					1,000	
667-ELL-6RH181M	ELL-6RH181M	C	180	±20%	2000	230					1,000	



PANASONIC Fixed Inductors



RoHS Compliant This product is RoHS compliant.

ELL-6SH SERIES - SMD CHOKE COILS

Applications:

- Video, Audio, Mobile communications, Electric battery driven equipment
- As a decoupling choke coil in DC-DC converters

Features:

- Thin (height 2.5mm, 3.0mm)
- Higher reliability in mounting by separating the user terminal and internal connection
- Large current capability



RoHS Compliant

Recommended land patterns in mm (not to scale) 	Connections (Top View) 	DIMENSIONS: mm (not to scale) <table border="1"> <thead> <tr> <th>Type</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>ELL6RH</td> <td>2.5 ±.30</td> </tr> <tr> <td>ELL6SH</td> <td>3±.30</td> </tr> <tr> <td>ELL6UH</td> <td>5 max.</td> </tr> </tbody> </table>	Type	H	ELL6RH	2.5 ±.30	ELL6SH	3±.30	ELL6UH	5 max.
Type	H									
ELL6RH	2.5 ±.30									
ELL6SH	3±.30									
ELL6UH	5 max.									

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Tolerance	DCR (mΩ)	Idc (mA max.)	Price Each				Reel Quantity	Price Each
						1	25	100	500		
667-ELL-6SH1R0M	ELL-6SH1R0M	1.0	±20%	19	3,400					1,000	
667-ELL-6SH1R5M	ELL-6SH1R5M	1.5	±20%	24	3,200					1,000	
667-ELL-6SH2R7M	ELL-6SH2R7M	2.7	±20%	31	2,400					1,000	
667-ELL-6SH3R3M	ELL-6SH3R3M	3.3	±20%	34	2,200					1,000	
667-ELL-6SH4R7M	ELL-6SH4R7M	4.7	±20%	42	2,000					1,000	
667-ELL-6SH5R6M	ELL-6SH5R6M	5.6	±20%	49	1,800					1,000	
667-ELL-6SH6R8M	ELL-6SH6R8M	6.8	±20%	52	1,500					1,000	
667-ELL-6SH8R2M	ELL-6SH8R2M	8.2	±20%	61	1,400					1,000	
667-ELL-6SH100M	ELL-6SH100M	10	±20%	65	1,300					1,000	
667-ELL-6SH120M	ELL-6SH120M	12	±20%	71	1,200					1,000	
667-ELL-6SH150M	ELL-6SH150M	15	±20%	96	1,100					1,000	
667-ELL-6SH180M	ELL-6SH180M	18	±20%	130	1,000					1,000	
667-ELL-6SH220M	ELL-6SH220M	22	±20%	140	900					1,000	
667-ELL-6SH270M	ELL-6SH270M	27	±20%	160	800					1,000	
667-ELL-6SH330M	ELL-6SH330M	33	±20%	180	700					1,000	
667-ELL-6SH390M	ELL-6SH390M	39	±20%	240	650					1,000	
667-ELL-6SH470M	ELL-6SH470M	47	±20%	270	600					1,000	
667-ELL-6SH560M	ELL-6SH560M	56	±20%	290	550					1,000	
667-ELL-6SH680M	ELL-6SH680M	68	±20%	520	500					1,000	
667-ELL-6SH820M	ELL-6SH820M	82	±20%	600	450					1,000	
667-ELL-6SH101M	ELL-6SH101M	100	±20%	680	400					1,000	
667-ELL-6SH121M	ELL-6SH121M	120	±20%	750	370					1,000	
667-ELL-6SH151M	ELL-6SH151M	150	±20%	860	350					1,000	
667-ELL-6SH181M	ELL-6SH181M	180	±20%	1300	300					1,000	

ELL-6UH SERIES - SMD CHOKE COILS

Applications:

- Video, Audio, Mobile communications, Electric battery driven equipment
- As a decoupling choke coil in DC-DC converters

Features:

- Thin (height 2.5mm, 3.0mm)
- Higher reliability in mounting by separating the user terminal and internal connection
- Large current capability



RoHS Compliant

Recommended land patterns in mm (not to scale) 	Connections (Top View) 	DIMENSIONS: mm (not to scale) <table border="1"> <thead> <tr> <th>Type</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>ELL6RH</td> <td>2.5 ±.30</td> </tr> <tr> <td>ELL6SH</td> <td>3±.30</td> </tr> <tr> <td>ELL6UH</td> <td>5 max.</td> </tr> </tbody> </table>	Type	H	ELL6RH	2.5 ±.30	ELL6SH	3±.30	ELL6UH	5 max.
Type	H									
ELL6RH	2.5 ±.30									
ELL6SH	3±.30									
ELL6UH	5 max.									

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Tolerance	DCR (mΩ)	Idc (mA max.)	Price Each				Reel Quantity	Price Each
						1	25	100	500		
667-ELL-6UH100M	ELL-6UH100M	10	±20%	63	1,800					1,000	
667-ELL-6UH120M	ELL-6UH120M	12	±20%	71	1,700					1,000	
667-ELL-6UH150M	ELL-6UH150M	15	±20%	79	1,600					1,000	
667-ELL-6UH180M	ELL-6UH180M	18	±20%	88	1,400					1,000	
667-ELL-6UH220M	ELL-6UH220M	22	±20%	98	1,300					1,000	
667-ELL-6UH270M	ELL-6UH270M	27	±20%	110	1,200					1,000	
667-ELL-6UH330M	ELL-6UH330M	33	±20%	130	1,100					1,000	
667-ELL-6UH390M	ELL-6UH390M	39	±20%	150	1,000					1,000	
667-ELL-6UH470M	ELL-6UH470M	47	±20%	160	900					1,000	
667-ELL-6UH560M	ELL-6UH560M	56	±20%	210	800					1,000	
667-ELL-6UH680M	ELL-6UH680M	68	±20%	230	700					1,000	
667-ELL-6UH820M	ELL-6UH820M	82	±20%	260	650					1,000	
667-ELL-6UH101M	ELL-6UH101M	100	±20%	360	600					1,000	
667-ELL-6UH121M	ELL-6UH121M	120	±20%	480	580					1,000	
667-ELL-6UH151M	ELL-6UH151M	150	±20%	680	500					1,000	
667-ELL-6UH181M	ELL-6UH181M	180	±20%	750	470					1,000	
667-ELL-6UH221M	ELL-6UH221M	220	±20%	840	410					1,000	
667-ELL-6UH271M	ELL-6UH271M	270	±20%	1200	370					1,000	
667-ELL-6UH331M	ELL-6UH331M	330	±20%	1360	330					1,000	
667-ELL-6UH391M	ELL-6UH391M	390	±20%	1500	300					1,000	
667-ELL-6UH471M	ELL-6UH471M	470	±20%	1680	270					1,000	
667-ELL-6UH561M	ELL-6UH561M	560	±20%	2530	260					1,000	
667-ELL-6UH681M	ELL-6UH681M	680	±20%	2830	240					1,000	
667-ELL-6UH821M	ELL-6UH821M	820	±20%	3140	200					1,000	
667-ELL-6UH102M	ELL-6UH102M	1000	±20%	3670	180					1,000	

PANASONIC Fixed Inductors

Panasonic

RoHS Compliant This product is RoHS compliant.

ELL-ATV SERIES - SMD CHOKE COILS

Applications:

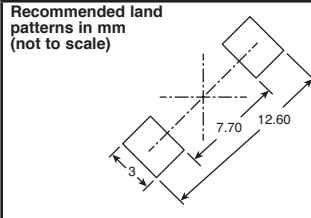
- DC-DC converter circuitry for computer peripherals and cellular phones
- Chopper circuit decoupling chokes for DC-DC converter circuitry

Features:

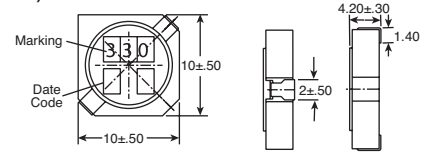
- Magnetically shielded structure
- Low DC resistance and large current capability
- Available on tape and reel for automatic insertion



RoHS Compliant



DIMENSIONS: mm (not to scale)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Tolerance	DCR (mΩ)	Isat (mA max.)	Price Each			Reel Quantity	Price Each
						1	25	100		
667-ELL-ATV1R5N	ELL-ATV1R5N	1.5	±30%	5.3	6700				500	
667-ELL-ATV2R2N	ELL-ATV2R2N	2.2	±30%	6.3	6200				500	
667-ELL-ATV3R3N	ELL-ATV3R3N	3.3	±30%	8.8	5350				500	
667-ELL-ATV4R3N	ELL-ATV4R3N	4.3	±30%	10	5000				500	
667-ELL-ATV5R1N	ELL-ATV5R1N	5.1	±30%	14	4350				500	
667-ELL-ATV6R8N	ELL-ATV6R8N	6.8	±30%	16	4000				500	
667-ELL-ATV8R2N	ELL-ATV8R2N	8.2	±30%	18	3700				500	
667-ELL-ATV100M	ELL-ATV100M	10	±20%	23	3300				500	
667-ELL-ATV120M	ELL-ATV120M	12	±20%	25	2900				500	
667-ELL-ATV150M	ELL-ATV150M	15	±20%	32	2800				500	
667-ELL-ATV180M	ELL-ATV180M	18	±20%	38	2500				500	
667-ELL-ATV220M	ELL-ATV220M	22	±20%	45	2200				500	
667-ELL-ATV270M	ELL-ATV270M	27	±20%	56	2000				500	
667-ELL-ATV330M	ELL-ATV330M	33	±20%	62	1800				500	
667-ELL-ATV390M	ELL-ATV390M	39	±20%	74	1600				500	
667-ELL-ATV470M	ELL-ATV470M	47	±20%	94	1550				500	
667-ELL-ATV560M	ELL-ATV560M	56	±20%	100	1350				500	
667-ELL-ATV680M	ELL-ATV680M	68	±20%	130	1200				500	
667-ELL-ATV820M	ELL-ATV820M	82	±20%	150	1100				500	
667-ELL-ATV101M	ELL-ATV101M	100	±20%	180	1000				500	
667-ELL-ATV121M	ELL-ATV121M	120	±20%	190	840				500	
667-ELL-ATV151M	ELL-ATV151M	150	±20%	250	780				500	
667-ELL-ATV181M	ELL-ATV181M	180	±20%	320	750				500	
667-ELL-ATV221M	ELL-ATV221M	220	±20%	360	700				500	
667-ELL-ATV271M	ELL-ATV271M	270	±20%	460	600				500	
667-ELL-ATV331M	ELL-ATV331M	330	±20%	550	550				500	
667-ELL-ATV391M	ELL-ATV391M	390	±20%	690	520				500	
667-ELL-ATV471M	ELL-ATV471M	470	±20%	780	470				500	
667-ELL-ATV561M	ELL-ATV561M	560	±20%	820	390				500	
667-ELL-ATV681M	ELL-ATV681M	680	±20%	1150	370				500	
667-ELL-ATV821M	ELL-ATV821M	820	±20%	1270	340				500	
667-ELL-ATV102M	ELL-ATV102M	1000	±20%	1750	320				500	

Inductors

Panasonic

ELL-CTV SERIES - SMD CHOKE COILS

Applications:

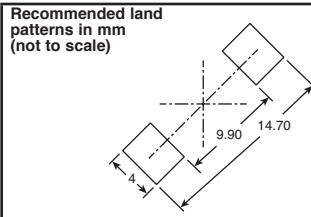
- DC-DC converter circuitry for computer peripherals and cellular phones
- Chopper circuit decoupling chokes for DC-DC converter circuitry

Features:

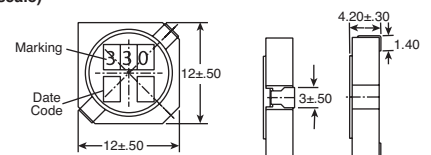
- Magnetically shielded structure
- Low DC resistance and large current capability
- Available on tape and reel for automatic insertion



RoHS Compliant



DIMENSIONS: mm (not to scale)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Tolerance	DCR (mΩ)	Isat (mA max.)	Price Each			Reel Quantity	Price Each
						1	25	100		
667-ELL-CTV1R2N	ELL-CTV1R2N	1.2	±30%	4.6	6,500				500	
667-ELL-CTV2R0N	ELL-CTV2R0N	2	±30%	5.6	6,300				500	
667-ELL-CTV2R7N	ELL-CTV2R7N	2.7	±30%	7	5,700				500	
667-ELL-CTV3R9N	ELL-CTV3R9N	3.9	±30%	8.5	5,600				500	
667-ELL-CTV4R7N	ELL-CTV4R7N	4.7	±30%	9.9	5,200				500	
667-ELL-CTV5R6N	ELL-CTV5R6N	5.6	±30%	11	4,900				500	
667-ELL-CTV6R8N	ELL-CTV6R8N	6.8	±30%	14	4,500				500	
667-ELL-CTV8R2N	ELL-CTV8R2N	8.2	±30%	15	4,400				500	
667-ELL-CTV100M	ELL-CTV100M	10	±20%	17	3,900				500	
667-ELL-CTV120M	ELL-CTV120M	12	±20%	22	3,700				500	
667-ELL-CTV150M	ELL-CTV150M	15	±20%	25	3,100				500	
667-ELL-CTV180M	ELL-CTV180M	18	±20%	30	3,000				500	
667-ELL-CTV220M	ELL-CTV220M	22	±20%	37	2,700				500	
667-ELL-CTV270M	ELL-CTV270M	27	±20%	43	2,300				500	
667-ELL-CTV330M	ELL-CTV330M	33	±20%	50	2,200				500	
667-ELL-CTV390M	ELL-CTV390M	39	±20%	61	2,100				500	
667-ELL-CTV470M	ELL-CTV470M	47	±20%	69	1,900				500	
667-ELL-CTV560M	ELL-CTV560M	56	±20%	87	1,600				500	
667-ELL-CTV680M	ELL-CTV680M	68	±20%	100	1,500				500	
667-ELL-CTV820M	ELL-CTV820M	82	±20%	120	1,400				500	
667-ELL-CTV101M	ELL-CTV101M	100	±20%	150	1,200				500	
667-ELL-CTV121M	ELL-CTV121M	120	±20%	190	1,100				500	
667-ELL-CTV151M	ELL-CTV151M	150	±20%	220	1,000				500	
667-ELL-CTV181M	ELL-CTV181M	180	±20%	270	930				500	
667-ELL-CTV221M	ELL-CTV221M	220	±20%	310	840				500	
667-ELL-CTV271M	ELL-CTV271M	270	±20%	400	810				500	
667-ELL-CTV331M	ELL-CTV331M	330	±20%	500	660				500	
667-ELL-CTV391M	ELL-CTV391M	390	±20%	560	630				500	
667-ELL-CTV471M	ELL-CTV471M	470	±20%	690	580				500	
667-ELL-CTV561M	ELL-CTV561M	560	±20%	810	540				500	
667-ELL-CTV681M	ELL-CTV681M	680	±20%	1010	470				500	
667-ELL-CTV821M	ELL-CTV821M	820	±20%	1140	440				500	
667-ELL-CTV102M	ELL-CTV102M	1000	±20%	1500	410				500	

PANASONIC Fixed Inductors

Panasonic

RoHS Compliant This product is RoHS compliant.

ELL-4FG SERIES - SMD CHOKE COILS

Applications:

- DC-DC converter circuitry for computer peripherals and cellular phones
- Chopper circuit decoupling chokes for DC-DC converter circuitry

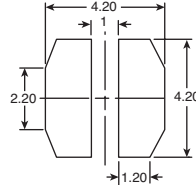


RoHS Compliant

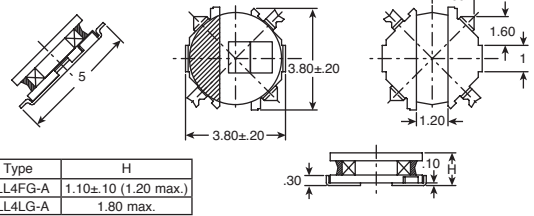
Features:

- Magnetically shielded structure
- Low DC resistance and large current capability
- Shock resistant

Recommended land patterns in mm (not to scale)



DIMENSIONS: mm (not to scale)



Type	H
ELL4FG-A	1.10±.10 (1.20 max.)
ELL4LG-A	1.80 max.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Tolerance	DCR	Isat (mA max.)	I temp (mA max.)	Price Each			
							1	25	100	500
667-ELL-4FG1R0NA	ELL-4FG1R0NA	1.0	±30%	45	1,900	1,950				
667-ELL-4FG1R5NA	ELL-4FG1R5NA	1.5	±30%	60	1,600	1,700				
667-ELL-4FG2R0NA	ELL-4FG2R0NA	2.0	±30%	70	1,300	1,550				
667-ELL-4FG3R3NA	ELL-4FG3R3NA	3.3	±30%	110	1,100	1,220				
667-ELL-4FG4R7NA	ELL-4FG4R7NA	4.7	±30%	160	1,000	1,000				
667-ELL-4FG6R8NA	ELL-4FG6R8NA	6.8	±30%	220	800	860				
667-ELL-4FG100MA	ELL-4FG100MA	10	±20%	290	700	750				
667-ELL-4FG150MA	ELL-4FG150MA	15	±20%	480	600	580				
667-ELL-4FG220MA	ELL-4FG220MA	22	±20%	620	420	500				
667-ELL-4FG330MA	ELL-4FG330MA	33	±20%	1,060	360	400				
667-ELL-4FG470MA	ELL-4FG470MA	47	±20%	1,600	290	330				

ELL-4GG SERIES - SMD CHOKE COILS

Applications:

- DC-DC converter circuitry for computer peripherals and cellular phones
- Chopper circuit decoupling chokes for DC-DC converter circuitry

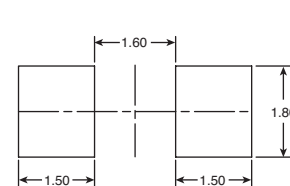


RoHS Compliant

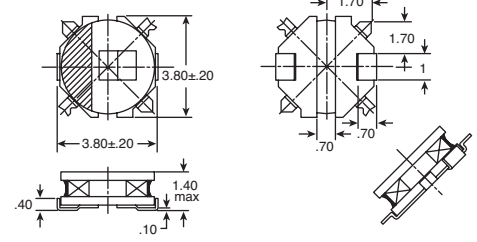
Features:

- Magnetically shielded structure
- Low DC resistance and large current capability
- Shock resistant

Recommended land patterns in mm (not to scale)



DIMENSIONS: mm (not to scale)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Tolerance	DCR	Isat (mA max.)	I temp (mA max.)	Price Each			
							1	25	100	500
667-ELL-4GG1R2N	ELL-4GG1R2N	1.2	±30%	50	2,400	1,900				
667-ELL-4GG1R8N	ELL-4GG1R8N	1.8	±30%	71	1,900	1,550				
667-ELL-4GG2R2N	ELL-4GG2R2N	2.2	±30%	88	1,700	1,400				
667-ELL-4GG3R3N	ELL-4GG3R3N	3.3	±30%	110	1,500	1,200				
667-ELL-4GG3R9N	ELL-4GG3R9N	3.9	±30%	120	1,400	1,150				
667-ELL-4GG4R7N	ELL-4GG4R7N	4.7	±30%	160	1,200	1,000				
667-ELL-4GG6R8N	ELL-4GG6R8N	6.8	±30%	200	1,050	930				
667-ELL-4GG8R2N	ELL-4GG8R2N	8.2	±30%	220	1,000	870				
667-ELL-4GG100M	ELL-4GG100M	10	±20%	250	900	770				
667-ELL-4GG120M	ELL-4GG120M	12	±20%	380	800	650				
667-ELL-4GG150M	ELL-4GG150M	15	±20%	500	700	580				
667-ELL-4GG220M	ELL-4GG220M	22	±20%	640	600	500				
667-ELL-4GG330M	ELL-4GG330M	33	±20%	980	450	400				
667-ELL-4GG101M	ELL-4GG101M	100	±20%	2,400	290	250				

ELL-4LG-A SERIES - SMD CHOKE COILS

Applications:

- DC-DC converter circuitry for computer peripherals and cellular phones
- Chopper circuit decoupling chokes for DC-DC converter circuitry

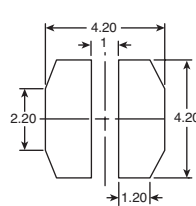


RoHS Compliant

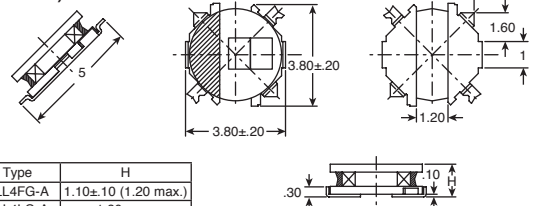
Features:

- Magnetically shielded structure
- Low DC resistance and large current capability
- Shock resistant

Recommended land patterns in mm (not to scale)



DIMENSIONS: mm (not to scale)



Type	H
ELL4FG-A	1.10±.10 (1.20 max.)
ELL4LG-A	1.80 max.

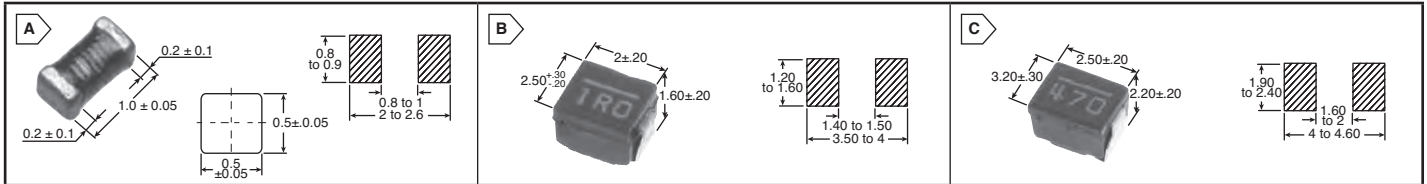
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (μF)	Tolerance	DCR	Isat (mA max.)	I temp (mA max.)	Price Each			
							1	25	100	500
667-ELL-4LG100MA	ELL-4LG100MA	10	±20%	200	800	950				
667-ELL-4LG2R2NA	ELL-4LG2R2NA	2.2	±20%	55	1,500	1,700				
667-ELL-4LG680MA	ELL-4LG680MA	68	±20%	1,300	270	350				
667-ELL-4LG150MA	ELL-4LG150MA	15	±20%	300	620	730				
667-ELL-4LG1R0NA	ELL-4LG1R0NA	1	±20%	41	2,200	1,900				
667-ELL-4LG1R5NA	ELL-4LG1R5NA	1.5	±20%	48	1,700	1,800				
667-ELL-4LG220MA	ELL-4LG220MA	22	±20%	390	550	640				
667-ELL-4LG2R7NA	ELL-4LG2R7NA	2.7	±20%	63	1,400	1,550				
667-ELL-4LG330MA	ELL-4LG330MA	33	±20%	610	430	510				
667-ELL-4LG3R3NA	ELL-4LG3R3NA	3.3	±20%	72	1,300	1,450				
667-ELL-4LG470MA	ELL-4LG470MA	47	±20%	920	360	410				
667-ELL-4LG4R7NA	ELL-4LG4R7NA	4.7	±20%	90	1,100	1,300				
667-ELL-4LG6R2NA	ELL-4LG6R2NA	6.2	±20%	140	930	1,100				
667-ELL-4LG101MA	ELL-4LG101MA	100	±20%	2,200	250	260				
667-ELL-4LG151MA	ELL-4LG151MA	150	±20%	3,000	220	220				

PANASONIC Fixed Inductors

Panasonic

RoHS Compliant This product is RoHS compliant.



ELJ-OE SERIES - 1608 CASE SIZE, LASER-CUT CHIP INDUCTORS

Features:

- Non polar product
- Laser-cut technology offering precision
- Unique Ceramic Core
- High Self Resonant Frequency (SRF)
- High Q devices in 0603 case size
- Capable of being re-flow or flow soldered
- Cost effective over wire-wound



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Inductance			Q		SRF (MHz min)	RDC (Ω) max.	DC Current (mA) max.	Price Each		
			(nh)	Tol.	Test Freq. (MHz)	100 MHz min.	800 MHz min.				1	25	500
667-ELJ-QE2N2DFA	ELJ-QE2N2DFA	A	2.2	±0.3nh	100	15	88.6	6000	0.04	970			
667-ELJ-QE2N7DFA	ELJ-QE2N7DFA	A	2.7	±0.3nh	100	15	65.4	6000	0.05	880			
667-ELJ-QE3N3DFA	ELJ-QE3N3DFA	A	3.3	±0.3nh	100	15	61.3	6000	0.06	800			
667-ELJ-QE3N9DFA	ELJ-QE3N9DFA	A	3.9	±0.3nh	100	15	68.4	6000	0.07	750			
667-ELJ-QE4N7DFA	ELJ-QE4N7DFA	A	4.7	±0.3nh	100	15	65.2	6000	0.09	660			
667-ELJ-QE5N6DFA	ELJ-QE5N6DFA	A	5.6	±0.3nh	100	15	57.4	6000	0.11	600			
667-ELJ-QE6N8JFA	ELJ-QE6N8JFA	A	6.8	±5%	100	15	65.0	6000	0.14	540			
667-ELJ-QE8N2JFA	ELJ-QE8N2JFA	A	8.2	±5%	100	15	65.5	5700	0.17	490			
667-ELJ-QE10NJFA	ELJ-QE10NJFA	A	10	±5%	100	15	63.8	5300	0.21	450			
667-ELJ-QE12NJFA	ELJ-QE12NJFA	A	12	±5%	100	15	61.9	4900	0.26	400			
667-ELJ-QE15NJFA	ELJ-QE15NJFA	A	15	±5%	100	15	59.0	4400	0.34	350			
667-ELJ-QE18NJFA	ELJ-QE18NJFA	A	18	±5%	100	15	58.6	4000	0.41	320			
667-ELJ-QE22NJFA	ELJ-QE22NJFA	A	22	±5%	100	15	59.1	3700	0.52	290			
667-ELJ-QE27NJFA	ELJ-QE27NJFA	A	27	±5%	100	15	55.0	3400	0.66	260			
667-ELJ-QE33NJFA	ELJ-QE33NJFA	A	33	±5%	100	15	54.2	3000	0.82	230			
667-ELJ-QE39NJFA	ELJ-QE39NJFA	A	39	±5%	100	15	52.9	2800	1.00	210			
667-ELJ-QE47NJFA	ELJ-QE47NJFA	A	47	±5%	100	15	54.4	2500	1.23	190			
667-ELJ-QE56NJFA	ELJ-QE56NJFA	A	56	±5%	100	15	51.5	2500	1.51	180			
667-ELJQE2N2ZFA	ELJQE2N2ZFA	A	2.18	±0.2nH	100	15	88.6	6000	0.04	970			
667-ELJQE2N7ZFA	ELJQE2N7ZFA	A	2.62	±0.2nH	100	15	65.4	6000	0.05	880			
667-ELJQE3N3ZFA	ELJQE3N3ZFA	A	3.24	±0.2nH	100	15	61.3	6000	0.06	800			
667-ELJQE3N9ZFA	ELJQE3N9ZFA	A	3.83	±0.2nH	100	15	68.4	6000	0.07	750			
667-ELJQE4N7ZFA	ELJQE4N7ZFA	A	4.61	±0.2nH	100	15	65.2	6000	0.09	660			
667-ELJQE5N6ZFA	ELJQE5N6ZFA	A	5.48	±0.2nH	100	15	57.4	6000	0.11	600			
667-ELJ-QE6N8ZFA	ELJ-QE6N8ZFA	A	6.70	±0.2nH	100	15	65.0	6000	0.14	540			
667-ELJ-QE8N2ZFA	ELJ-QE8N2ZFA	A	8.12	±0.2nH	100	15	65.5	5700	0.17	490			
667-ELJ-QE10NGFA	ELJ-QE10NGFA	A	9.89	±2%	100	15	63.8	5300	0.21	450			
667-ELJ-QE12NGFA	ELJ-QE12NGFA	A	12.0	±2%	100	15	61.9	4900	0.26	400			
667-ELJ-QE15NGFA	ELJ-QE15NGFA	A	14.9	±2%	100	15	59.0	4400	0.34	350			
667-ELJ-QE18NGFA	ELJ-QE18NGFA	A	18.0	±2%	100	15	58.6	4000	0.41	320			
667-ELJ-QE22NGFA	ELJ-QE22NGFA	A	22.0	±2%	100	15	59.1	3700	0.52	290			
667-ELJ-QE27NGFA	ELJ-QE27NGFA	A	27.1	±2%	100	15	55.0	3400	0.66	260			
667-ELJ-QE33NGFA	ELJ-QE33NGFA	A	33.9	±2%	100	15	54.2	3000	0.82	230			
667-ELJ-QE39NGFA	ELJ-QE39NGFA	A	40.3	±2%	100	15	52.9	2800	1.00	210			
667-ELJ-QE47NGFA	ELJ-QE47NGFA	A	49.6	±2%	100	15	54.4	2500	1.23	190			
667-ELJ-QE56NGFA	ELJ-QE56NGFA	A	58.8	±2%	100	15	51.5	2500	1.51	180			

HIGH POWER INDUCTORS

Features:

- Low DCR and large current capability, suitable for power circuitry
- Wire wound, resin molded chip inductor. (PC, PA, PB types)
- Unique Ceramic Core/Laser-cut technology (PF, PE type)
- Capable of being Re-flow or flow soldered
- Wide line-up from 1005 to 4532 case sizes

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Inductance			Q		SRF (MHz min)	DCR (Ω)	Irms (mA)	Price Each		
			Value (μH)	Tol.	Test Freq. (MHz)	Min.	Test Freq. (MHz)				1	25	100
ELJ-PC Series 1008 Case Size													
667-ELJ-PC1R0MF	ELJ-PC1R0MF	B	1.0	±20%	7.96	10	7.96	95	0.45	475			
667-ELJ-PC1R5MF	ELJ-PC1R5MF	B	1.5	±20%	7.96	10	7.96	85	0.55	435			
667-ELJ-PC2R2MF	ELJ-PC2R2MF	B	2.2	±20%	7.96	10	7.96	65	0.65	390			
667-ELJ-PC3R3MF	ELJ-PC3R3MF	B	3.3	±20%	7.96	8	7.96	55	0.85	340			
667-ELJ-PC4R7MF	ELJ-PC4R7MF	B	4.7	±20%	7.96	8	7.96	43	1.2	285			
667-ELJ-PC6R8KF	ELJ-PC6R8KF	B	6.8	±10%	2.52	8.5	2.52	44	1.3	170			
667-ELJ-PC100KF	ELJ-PC100KF	B	10	±10%	2.52	20	2.52	32	2.2	210			
667-ELJ-PC120KF	ELJ-PC120KF	B	12	±10%	2.52	20	2.52	25	2.7	195			
667-ELJ-PC150KF	ELJ-PC150KF	B	15	±10%	2.52	20	2.52	21	3.2	175			
667-ELJ-PC220KF	ELJ-PC220KF	B	22	±10%	2.52	20	2.52	18	4	160			
667-ELJ-PC330KF	ELJ-PC330KF	B	33	±10%	2.52	20	2.52	16	6.5	120			
ELJ-PA Series 1210 Case Size													
667-ELJ-PA1R0MF	ELJ-PA1R0MF	C	1.0	±20%	7.96	7	7.96	150	0.15	600			
667-ELJ-PA1R5MF	ELJ-PA1R5MF	C	1.5	±20%	7.96	7	7.96	110	0.18	550			
667-ELJ-PA2R2MF	ELJ-PA2R2MF	C	2.2	±20%	7.96	7	7.96	80	0.23	500			
667-ELJ-PA3R3MF	ELJ-PA3R3MF	C	3.3	±20%	7.96	7	7.96	58	0.28	400			
667-ELJ-PA4R7MF	ELJ-PA4R7MF	C	4.7	±20%	7.96	7	7.96	46	0.34	350			
667-ELJ-PA6R8MF	ELJ-PA6R8MF	C	6.8	±20%	7.96	7	7.96	38	0.42	300			
667-ELJ-PA100KF	ELJ-PA100KF	C	10	±10%	2.52	15	2.52	23	0.5	240			
667-ELJ-PA120KF	ELJ-PA120KF	C	12	±10%	2.52	15	2.52	21	0.6	230			
667-ELJ-PA150KF	ELJ-PA150KF	C	15	±10%	2.52	15	2.52	18	0.74	220			
667-ELJ-PA180KF	ELJ-PA180KF	C	18	±10%	2.52	15	2.52	17	0.9	205			
667-ELJ-PA220KF	ELJ-PA220KF	C	22	±10%	2.52	15	2.52	15	1.15	185			
667-ELJ-PA270KF	ELJ-PA270KF	C	27	±10%	2.52	15	2.52	13	1.45	165			
667-ELJ-PA330KF	ELJ-PA330KF	C	33	±10%	2.52	15	2.52	12	1.65	155			
667-ELJ-PA390KF	ELJ-PA390KF	C	39	±10%	2.52	15	2.52	11	1.9	145			
667-ELJ-PA470KF	ELJ-PA470KF	C	47	±10%	2.52	15	2.52	9.5	2.25	135			
667-ELJ-PA560KF	ELJ-PA560KF	C	56	±10%	2.52	15	2.52	8.5	3.3	110			
667-ELJ-PA680KF	ELJ-PA680KF	C	68	±10%	2.52	15	2.52	7.5	3.7	105			
667-ELJ-PA820KF	ELJ-PA820KF	C	82	±10%	2.52	15	2.52	7	4.2	100			
667-ELJ-PA101KF	ELJ-PA101KF	C	100	±10%	0.796	20	0.796	6.5	5	90			
667-ELJ-PA121KF	ELJ-PA121KF	C	120	±10%	0.796	20	0.796	6	7	75			
667-ELJ-PA151KF	ELJ-PA151KF	C	150	±10%	0.796	20	0.796	5.5	8	70			
667-ELJ-PA181KF	ELJ-PA181KF	C	180	±10%	0.796	20	0.796	5	9.5	65			
667-ELJ-PA221KF	ELJ-PA221KF	C	220	±10%	0.796	20	0.796	4	11	60			
667-ELJ-PA271KF	ELJ-PA271KF	C	270	±10%	0.796	20	0.796	3.5	14.5	55			
667-ELJ-PA331KF	ELJ-PA331KF	C	330	±10%	0.796	20	0.796	3	16	50			

PANASONIC Fixed Inductors



This product is RoHS compliant.

ELJ-PB SERIES - 1812 CASE SIZE, HIGH POWER

Applications:

- AV equipment, Wireless communication equipment and various types of general electronic equipment



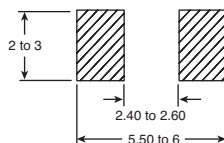
Features:

- Low DCR and large current capability, suitable for power circuitry
- Wire wound, resin molded chip inductor. (PC, PA, PB types)
- Capable of being Re-flow or flow soldered
- Wide line-up from 1005 to 4532 case sizes • Good for mounting

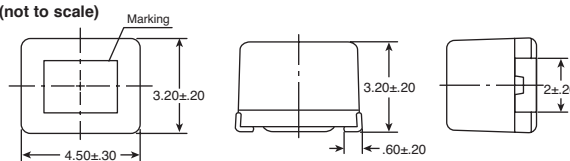
Specifications:

- Operating Temperature : -20°C to +85°C

Recommended land patterns in mm (not to scale)



DIMENSIONS: mm (not to scale)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Inductance			Q		SRF (MHz min)	DCR (Ω)	I _{rms} (mA)	Price Each			
		Value (μH)	Tol.	Test Freq. (MHz)	Min.	Test Freq. (MHz)				1	50	100	500
667-ELJ-PB100KF	ELJ-PB100KF	10	±10%	2.52	10	2.52	19	0.65	360				
667-ELJ-PB120KF	ELJ-PB120KF	12	±10%	2.52	10	2.52	17	0.7	340				
667-ELJ-PB150KF	ELJ-PB150KF	15	±10%	2.52	10	2.52	15	0.8	320				
667-ELJ-PB180KF	ELJ-PB180KF	18	±10%	2.52	10	2.52	14	0.9	310				
667-ELJ-PB220KF	ELJ-PB220KF	22	±10%	2.52	10	2.52	13	1	300				
667-ELJ-PB270KF	ELJ-PB270KF	27	±10%	2.52	10	2.52	11	1.2	270				
667-ELJ-PB330KF	ELJ-PB330KF	33	±10%	2.52	10	2.52	10	1.4	250				
667-ELJ-PB390KF	ELJ-PB390KF	39	±10%	2.52	10	2.52	9.5	1.6	230				
667-ELJ-PB470KF	ELJ-PB470KF	47	±10%	2.52	10	2.52	8.5	1.9	210				
667-ELJ-PB560KF	ELJ-PB560KF	56	±10%	2.52	10	2.52	8	2.2	190				
667-ELJ-PB680KF	ELJ-PB680KF	68	±10%	2.52	10	2.52	7	2.6	170				
667-ELJ-PB820KF	ELJ-PB820KF	82	±10%	2.52	10	2.52	6.5	3.5	160				
667-ELJ-PB101KF	ELJ-PB101KF	100	±10%	0.796	20	0.796	6	4	150				
667-ELJ-PB121KF	ELJ-PB121KF	120	±10%	0.796	20	0.796	5.5	4.5	130				
667-ELJ-PB151KF	ELJ-PB151KF	150	±10%	0.796	20	0.796	5	6.5	120				
667-ELJ-PB181KF	ELJ-PB181KF	180	±10%	0.796	20	0.796	4.5	7.5	110				
667-ELJ-PB221KF	ELJ-PB221KF	220	±10%	0.796	20	0.796	0	0	0				

ELJ-FC SERIES - 1008 CASE SIZE, GENERAL USE

Applications:

- AV equipment, Wireless communication equipment and various types of general electronic equipment

Features:

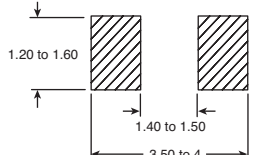
- General use wire wound, resin molded chip inductor
- Capable of being Re-flow or flow soldered
- Wide line-up from 2520 to 4532 case sizes
- Good for mounting



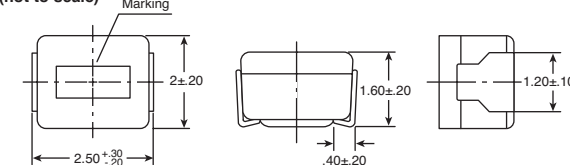
Specifications:

- Operating Temperature : -20°C to +85°C

Recommended land patterns in mm (not to scale)



DIMENSIONS: mm (not to scale)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Inductance			Q		SRF (MHz min)	DCR (Ω)	I _{rms} (mA)	Price Each			
		Value (μH)	Tol.	Test Freq. (MHz)	Min.	Test Freq. (MHz)				1	25	100	500
667-ELJ-FC1R0JF	ELJ-FC1R0JF	1.0	±5%	7.96	25	7.96	115	0.65	195				
667-ELJ-FC1R2JF	ELJ-FC1R2JF	1.2	±5%	7.96	25	7.96	100	0.75	180				
667-ELJ-FC1R5JF	ELJ-FC1R5JF	1.5	±5%	7.96	25	7.96	90	0.85	170				
667-ELJ-FC1R8JF	ELJ-FC1R8JF	1.8	±5%	7.96	25	7.96	85	0.95	160				
667-ELJ-FC2R2JF	ELJ-FC2R2JF	2.2	±5%	7.96	25	7.96	80	1.05	155				
667-ELJ-FC2R7JF	ELJ-FC2R7JF	2.7	±5%	7.96	25	7.96	75	1.2	145				
667-ELJ-FC3R3JF	ELJ-FC3R3JF	3.3	±5%	7.96	25	7.96	65	1.3	135				
667-ELJ-FC3R9JF	ELJ-FC3R9JF	3.9	±5%	7.96	25	7.96	60	1.4	130				
667-ELJ-FC4R7JF	ELJ-FC4R7JF	4.7	±5%	7.96	25	7.96	55	1.55	125				
667-ELJ-FC5R6JF	ELJ-FC5R6JF	5.6	±5%	7.96	25	7.96	50	1.75	120				
667-ELJ-FC6R8JF	ELJ-FC6R8JF	6.8	±5%	7.96	25	7.96	45	1.95	115				
667-ELJ-FC8R2JF	ELJ-FC8R2JF	8.2	±5%	7.96	25	7.96	40	2.2	105				
667-ELJ-FC100JF	ELJ-FC100JF	10	±5%	2.52	25	2.52	32	3.7	80				
667-ELJ-FC120JF	ELJ-FC120JF	12	±5%	2.52	25	2.52	30	4.1	75				
667-ELJ-FC150JF	ELJ-FC150JF	15	±5%	2.52	25	2.52	28	5	70				
667-ELJ-FC180JF	ELJ-FC180JF	18	±5%	2.52	25	2.52	25	5.4	65				
667-ELJ-FC220JF	ELJ-FC220JF	22	±5%	2.52	25	2.52	22	6	60				
667-ELJ-FC270JF	ELJ-FC270JF	27	±5%	2.52	20	2.52	21	6.3	115				
667-ELJ-FC330JF	ELJ-FC330JF	33	±5%	2.52	20	2.52	20	7.1	110				
667-ELJ-FC390JF	ELJ-FC390JF	39	±5%	2.52	20	2.52	18	9.5	90				
667-ELJ-FC470JF	ELJ-FC470JF	47	±5%	2.52	20	2.52	17	11	80				
667-ELJ-FC560JF	ELJ-FC560JF	56	±5%	2.52	20	2.52	16	12.1	75				
667-ELJ-FC680JF	ELJ-FC680JF	68	±5%	2.52	20	2.52	15	16.6	70				
667-ELJ-FC820JF	ELJ-FC820JF	82	±5%	2.52	20	2.52	13	19	65				
667-ELJ-FC101JF	ELJ-FC101JF	100	±5%	0.796	15	0.796	12	21	60				
667-ELJ-FCR22KF	ELJ-FCR22KF	0.22	±10%	25.2	25	25.2	230	0.7	190				
667-ELJ-FCR27KF	ELJ-FCR27KF	0.27	±10%	25.2	25	25.2	210	0.75	180				
667-ELJ-FCR39KF	ELJ-FCR39KF	0.39	±10%	25.2	25	25.2	175	0.95	160				
667-ELJ-FCR47KF	ELJ-FCR47KF	0.47	±10%	25.2	25	25.2	160	1	155				
667-ELJ-FCR68KF	ELJ-FCR68KF	0.68	±10%	25.2	25	25.2	135	1.25	140				
667-ELJ-FCR82KF	ELJ-FCR82KF	0.82	±10%	25.2	25	25.2	125	1.4	130				
667-ELJ-FC1R0KF	ELJ-FC1R0KF	1.0	±10%	7.96	25	7.96	115	0.65	195				
667-ELJ-FC1R2KF	ELJ-FC1R2KF	1.2	±10%	7.96	25	7.96	100	0.75	180				
667-ELJ-FC1R5KF	ELJ-FC1R5KF	1.5	±10%	7.96	25	7.96	90	0.85	170				
667-ELJ-FC1R8KF	ELJ-FC1R8KF	1.8	±10%	7.96	25	7.96	85	0.95	160				
667-ELJ-FC2R2KF	ELJ-FC2R2KF	2.2	±10%	7.96	25	7.96	80	1.05	155				
667-ELJ-FC2R7KF	ELJ-FC2R7KF	2.7	±10%	7.96	25	7.96	75	1.2	145				
667-ELJ-FC3R3KF	ELJ-FC3R3KF	3.3	±10%	7.96	25	7.96	65	1.3	135				
667-ELJ-FC3R9KF	ELJ-FC3R9KF	3.9	±10%	7.96	25	7.96	60	1.4	130				
667-ELJ-FC4R7KF	ELJ-FC4R7KF	4.7	±10%	7.96	25	7.96	55	1.55	125				
667-ELJ-FC5R6KF	ELJ-FC5R6KF	5.6	±10%	7.96	25	7.96	50	1.75	120				
667-ELJ-FC6R8KF	ELJ-FC6R8KF	6.8	±10%	7.96	25	7.96	45	1.95	115				
667-ELJ-FC8R2KF	ELJ-FC8R2KF	8.2	±10%	7.96	25	7.96	40	2.2	105				
667-ELJ-FC100KF	ELJ-FC100KF	10	±10%	2.52	25	2.52	32	3.7	80				
667-ELJ-FC120KF	ELJ-FC120KF	12	±10%	2.52	25	2.52	30	4.1	75				
667-ELJ-FC150KF	ELJ-FC150KF	15	±10%	2.52	25	2.52	28	5	70				
667-ELJ-FC220KF	ELJ-FC220KF	22	±10%	2.52	25	2.52	22	6	60				
667-ELJ-FC101KF	ELJ-FC101KF	100	±10%	0.796	15	0.796	12	21	60				
667-ELJ-FCR22MF	ELJ-FCR22MF	0.22	±20%	25.2	25	25.2	230	0.7	190				
667-ELJ-FCR27MF	ELJ-FCR27MF	0.27	±20%	25.2	25	25.2	210	0.75	180				
667-ELJ-FCR33MF	ELJ-FCR33MF	0.33	±20%	25.2	25	25.2	190	0.85	170				

RoHS Compliant This product is RoHS compliant.

ELJ-FC SERIES - 1008 CASE SIZE, GENERAL USE (CONT.)

Applications:

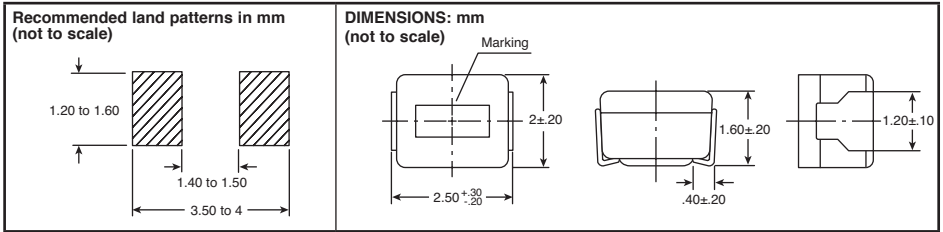
- AV equipment, Wireless communication equipment and various types of general electronic equipment

Features:

- General use wire wound, resin molded chip inductor
- Capable of being Re-fl ow or fl ow soldered
- Wide line-up from 2520 to 4532 case sizes
- Good for mounting

Specifications:

- Operating Temperature : -20°C to +85°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Inductance			Q		SRF (MHz min)	DCR (Ω)	I _{rms} (mA)	Price Each			
		Value (μH)	Tol.	Test Freq. (MHz)	Min.	Test Freq. (MHz)				1	25	100	500
667-ELJ-FCR39MF	ELJ-FCR39MF	0.39	±20%	25.2	25	25.2	175	0.95	160				
667-ELJ-FCR47MF	ELJ-FCR47MF	0.47	±20%	25.2	25	25.2	160	1	155				
667-ELJ-FCR68MF	ELJ-FCR68MF	0.68	±20%	25.2	25	25.2	135	1.25	140				
667-ELJ-FCR82MF	ELJ-FCR82MF	0.82	±20%	25.2	25	25.2	125	1.4	130				

ELJ-FB SERIES - 1210 CASE SIZE, GENERAL USE

Applications:

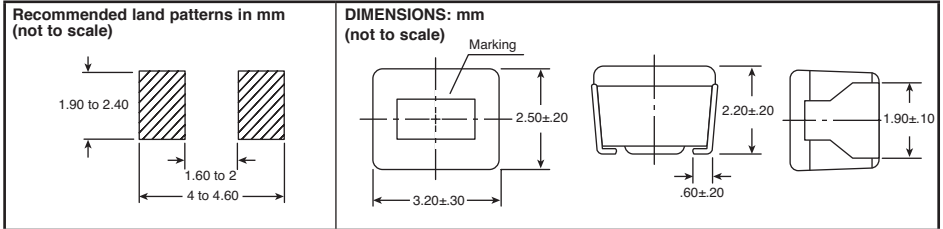
- AV equipment, Wireless communication equipment and various types of general electronic equipment

Features:

- General use wire wound, resin molded chip inductor
- Capable of being Re-fl ow or fl ow soldered
- Wide line-up from 2520 to 4532 case sizes
- Good for mounting

Specifications:

- Operating Temperature : -20°C to +85°C

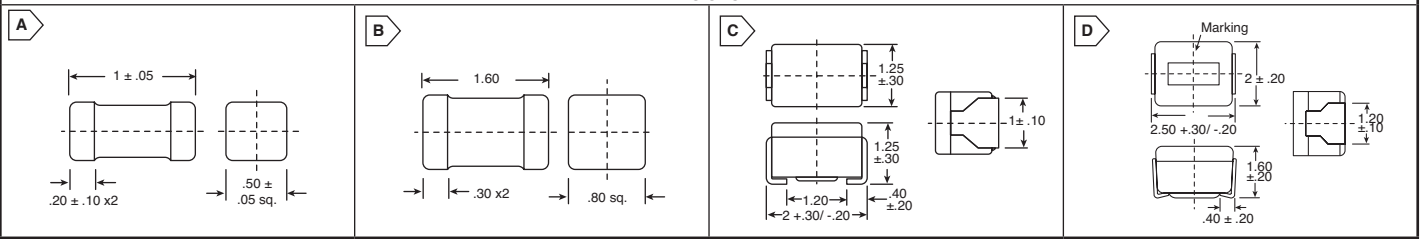


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Inductance			Q		SRF (MHz min)	DCR (Ω)	I _{rms} (mA)	Price Each			
		Value (μH)	Tol.	Test Freq. (MHz)	Min.	Test Freq. (MHz)				1	25	100	500
667-ELJ-FA1R0JF2	ELJ-FA1R0JF2	1.0	±5%	7.96	30	7.96	115	0.7	230				
667-ELJ-FA1R2JF2	ELJ-FA1R2JF2	1.2	±5%	7.96	30	7.96	100	0.8	215				
667-ELJ-FA1R5JF	ELJ-FA1R5JF	1.5	±5%	7.96	30	7.96	90	0.8	210				
667-ELJ-FA1R8JF	ELJ-FA1R8JF	1.8	±5%	7.96	30	7.96	85	0.8	200				
667-ELJ-FA2R2JF	ELJ-FA2R2JF	2.2	±5%	7.96	30	7.96	80	1.0	190				
667-ELJ-FA2R7JF	ELJ-FA2R7JF	2.7	±5%	7.96	30	7.96	75	1.1	180				
667-ELJ-FA3R3JF	ELJ-FA3R3JF	3.3	±5%	7.96	30	7.96	65	1.2	180				
667-ELJ-FA3R9JF	ELJ-FA3R9JF	3.9	±5%	7.96	30	7.96	60	1.3	175				
667-ELJ-FA4R7JF	ELJ-FA4R7JF	4.7	±5%	7.96	30	7.96	55	1.5	165				
667-ELJ-FA5R6JF	ELJ-FA5R6JF	5.6	±5%	7.96	30	7.96	50	1.6	160				
667-ELJ-FA6R8JF	ELJ-FA6R8JF	6.8	±5%	7.96	30	7.96	45	1.8	150				
667-ELJ-FA8R2JF	ELJ-FA8R2JF	8.2	±5%	7.96	30	7.96	40	2.0	140				
667-ELJ-FA100JF	ELJ-FA100JF	10	±5%	2.52	30	2.52	36	2.1	140				
667-ELJ-FA120JF	ELJ-FA120JF	12	±5%	2.52	30	2.52	33	2.5	125				
667-ELJ-FA150JF	ELJ-FA150JF	15	±5%	2.52	30	2.52	30	2.8	120				
667-ELJ-FA180JF	ELJ-FA180JF	18	±5%	2.52	30	2.52	27	3.3	110				
667-ELJ-FA220JF	ELJ-FA220JF	22	±5%	2.52	30	2.52	25	3.7	105				
667-ELJ-FA270JF	ELJ-FA270JF	27	±5%	2.52	30	2.52	22	5.0	90				
667-ELJ-FA330JF	ELJ-FA330JF	33	±5%	2.52	30	2.52	20	5.6	85				
667-ELJ-FA390JF	ELJ-FA390JF	39	±5%	2.52	30	2.52	20	6.4	80				
667-ELJ-FA470JF	ELJ-FA470JF	47	±5%	2.52	30	2.52	15	7.0	75				
667-ELJ-FA560JF	ELJ-FA560JF	56	±5%	2.52	30	2.52	15	8.0	70				
667-ELJ-FA680JF	ELJ-FA680JF	68	±5%	2.52	30	2.52	15	9.0	65				
667-ELJ-FA820JF	ELJ-FA820JF	82	±5%	2.52	30	2.52	10	10.0	60				
667-ELJ-FA101JF	ELJ-FA101JF	100	±5%	0.80	20	0.80	10	10.0	60				
667-ELJ-FA121JF	ELJ-FA121JF	120	±5%	0.80	20	0.80	10	11.0	55				
667-ELJ-FA151JF	ELJ-FA151JF	150	±5%	0.80	20	0.80	8	15.0	50				
667-ELJ-FA181JF	ELJ-FA181JF	180	±5%	0.80	20	0.80	7	17.0	50				
667-ELJ-FA221JF	ELJ-FA221JF	220	±5%	0.80	20	0.80	7	21.0	45				
667-ELJ-FA1R0KF2	ELJ-FA1R0KF2	1	±10%	7.96	30	7.96	115	0.7	230				
667-ELJ-FA1R2KF2	ELJ-FA1R2KF2	1.2	±10%	7.96	30	7.96	100	0.8	215				
667-ELJ-FA1R8KF	ELJ-FA1R8KF	1.8	±10%	7.96	30	7.96	85	0.8	200				
667-ELJ-FA2R2KF	ELJ-FA2R2KF	2.2	±10%	7.96	30	7.96	80	1.0	190				
667-ELJ-FA2R7KF	ELJ-FA2R7KF	2.7	±10%	7.96	30	7.96	75	1.1	180				
667-ELJ-FA3R3KF	ELJ-FA3R3KF	3.3	±10%	7.96	30	7.96	65	1.2	180				
667-ELJ-FA3R9KF	ELJ-FA3R9KF	3.9	±10%	7.96	30	7.96	60	1.3	175				
667-ELJ-FA4R7KF	ELJ-FA4R7KF	4.7	±10%	7.96	30	7.96	55	1.5	165				
667-ELJ-FA5R6KF	ELJ-FA5R6KF	5.6	±10%	7.96	30	7.96	50	1.6	160				
667-ELJ-FA8R2KF	ELJ-FA8R2KF	8.2	±10%	7.96	30	7.96	40	2.0	140				
667-ELJ-FA100KF	ELJ-FA100KF	10	±10%	2.52	30	2.52	36	2.1	140				
667-ELJ-FA120KF	ELJ-FA120KF	12	±10%	2.52	30	2.52	33	2.5	125				
667-ELJ-FA150KF	ELJ-FA150KF	15	±10%	2.52	30	2.52	30	2.8	120				
667-ELJ-FA180KF	ELJ-FA180KF	18	±10%	2.52	30	2.52	27	3.3	110				
667-ELJ-FA220KF	ELJ-FA220KF	22	±10%	2.52	30	2.52	25	3.7	105				
667-ELJ-FA270KF	ELJ-FA270KF	27	±10%	2.52	30	2.52	22	5.0	90				
667-ELJ-FA330KF	ELJ-FA330KF	33	±10%	2.52	30	2.52	20	5.6	85				
667-ELJ-FA390KF	ELJ-FA390KF	39	±10%	2.52	30	2.52	20	6.4	80				
667-ELJ-FA470KF	ELJ-FA470KF	47	±10%	2.52	30	2.52	15	7.0	75				
667-ELJ-FA560KF	ELJ-FA560KF	56	±10%	2.52	30	2.52	15	8.0	70				
667-ELJ-FA680KF	ELJ-FA680KF	68	±10%	2.52	30	2.52	15	9.0	65				
667-ELJ-FA820KF	ELJ-FA820KF	82	±10%	2.52	30	2.52	10	10.0	60				
667-ELJ-FA101KF	ELJ-FA101KF	100	±10%	0.80	20	0.80	10	10.0	60				
667-ELJ-FA121KF	ELJ-FA121KF	120	±10%	0.80	20	0.80	10	11.0	55				
667-ELJ-FA151KF	ELJ-FA151KF	150	±10%	0.80	20	0.80	8	15.0	50				
667-ELJ-FA181KF	ELJ-FA181KF	180	±10%	0.80	20	0.80	7	17.0	50				
667-ELJ-FA221KF	ELJ-FA221KF	220	±10%	0.80	20	0.80	7	21.0	45				
667-ELJ-FAR22MF2	ELJ-FAR22MF2	0.22	±20%	25.20	25	25.20	230	0.3	360				
667-ELJ-FAR27MF2	ELJ-FAR27MF2	0.27	±20%	25.20	25	25.20	210	0.3	345				
667-ELJ-FAR33MF2	ELJ-FAR33MF2	0.33	±20%	25.20	25	25.20	190	0.4	330				
667-ELJ-FAR39MF2	ELJ-FAR39MF2	0.39	±20%	25.20	25	25.20	175	0.4	305				
667-ELJ-FAR47MF2	ELJ-FAR47MF2	0.47	±20%	25.20	25	25.20	160	0.4	290				
667-ELJ-FAR68MF2	ELJ-FAR68MF2	0.68	±20%	25.20	25	25.20	135	0.6	260				
667-ELJ-FAR82MF2	ELJ-FAR82MF2	0.82	±20%	25.20	25	25.20	125	0.6	245				

RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm



HIGH FREQUENCY - NON MAGNETIC CORE

RF and ND Series


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Value (nH)	Tol. %	SRF (MHz)	DCR (Ω max)	I _{ms} (A max)	Price Each			
							1	25	100	500
RF Series 0402 Case Size										
667—ELJ-RF4N7ZFB	A	4.7	±0.2nH	4800	0.170	360				
667—ELJ-RF1N0ZFB	A	1.0	±0.2nH	6000	0.050	400				
667—ELJ-RF1N2ZFB	A	1.2	±0.2nH	6000	0.060	400				
667—ELJ-RF1N5ZFB	A	1.5	±0.2nH	6000	0.070	400				
667—ELJ-RF6N8ZFB	A	6.8	±0.2nH	4000	0.300	320				
667—ELJ-RF8N2ZFB	A	8.2	±0.2nH	3500	0.350	320				
667—ELJ-RF1N8ZFB	A	1.8	±0.2nH	6000	0.080	400				
667—ELJ-RF2N7ZFB	A	2.7	±0.2nH	5500	0.100	400				
667—ELJ-RF3N3ZFB	A	3.3	±0.2nH	5500	0.120	400				
667—ELJ-RF3N9ZFB	A	3.9	±0.2nH	5200	0.150	360				
667—ELJ-RF5N6ZFB	A	5.6	±0.2nH	4600	0.190	340				
667—ELJ-RF1N8DFB	A	1.8	±0.3nH	6000	0.080	400				
667—ELJ-RF1N2DFB	A	1.2	±0.3nH	6000	0.060	400				
667—ELJ-RF3N3DFB	A	3.3	±0.3nH	5500	0.120	400				
667—ELJ-RF1N0DFB	A	1.0	±0.3nH	6000	0.050	400				
667—ELJ-RF2N7DFB	A	2.7	±0.3nH	5500	0.100	400				
667—ELJ-RF3N9DFB	A	3.9	±0.3nH	5200	0.150	360				
667—ELJ-RF5N6DFB	A	5.6	±0.3nH	4600	0.190	340				
667—ELJ-RF47NGFB	A	47	±2	1800	2.100	140				
667—ELJ-RF10NGFB	A	10	±2	2800	0.410	320				
667—ELJ-RF22NGFB	A	22	±2	2000	0.800	200				
667—ELJ-RF27NGFB	A	27	±2	1800	1.200	200				
667—ELJ-RF33NGFB	A	33	±2	1800	1.400	170				
667—ELJ-RF56NGFB	A	56	±2	1500	2.500	130				
667—ELJ-RF68NGFB	A	68	±2	1500	4.000	120				
667—ELJ-RF82NGFB	A	82	±2	1400	4.500	110				
667—ELJ-RFR10GFB	A	100	±2	1200	5.500	90				
667—ELJ-RF39NJFB	A	39	±5	1800	1.700	150				
667—ELJ-RF82NJFB	A	82	±5	1400	4.500	110				
667—ELJ-RFR10JFB	A	100	±5	1200	5.500	90				
667—ELJ-RF12NJFB	A	12	±5	2800	0.450	320				
667—ELJ-RF27NJFB	A	27	±5	1800	1.200	200				
667—ELJ-RF18NJFB	A	18	±5	2200	0.700	240				
667—ELJ-RF33NJFB	A	33	±5	1800	1.400	170				
667—ELJ-RF68NJFB	A	6.8	±5	4000	0.300	320				
667—ELJ-RF82NJFB	A	8.2	±5	3500	0.350	320				
667—ELJ-RF10NJFB	A	10	±5	2800	0.410	320				
667—ELJ-RF15NJFB	A	15	±5	2500	0.600	240				
667—ELJ-RF22NJFB	A	22	±5	2000	0.800	200				
667—ELJ-RF47NJFB	A	47	±5	1800	2.100	140				
667—ELJ-RF56NJFB	A	56	±5	1500	2.500	130				
667—ELJ-RF68NJFB	A	68	±5	1500	4.000	120				
RF Series 0603 Case Size										
667—ELJ-RE1N0ZFA	B	1	±0.2nH	6000	0.05	500				
667—ELJ-RE1N5ZFA	B	1.5	±0.2nH	6000	0.07	500				
667—ELJ-RE1N8ZFA	B	1.8	±0.2nH	6000	0.08	500				
667—ELJ-RE2N2ZFA	B	2.2	±0.2nH	6000	0.09	500				
667—ELJ-RE3N3ZFA	B	3.3	±0.2nH	5500	0.12	500				
667—ELJ-RE3N9ZFA	B	3.9	±0.2nH	5500	0.15	450				
667—ELJ-RE6N8ZFA	B	6.8	±0.2nH	3500	0.20	430				
667—ELJ-RE1N2DFA	B	1.2	±0.3nH	6000	0.06	500				
667—ELJ-RE1N8DFA	B	1.8	±0.3nH	6000	0.08	500				
667—ELJ-RE2N2DFA	B	2.2	±0.3nH	6000	0.09	500				
667—ELJ-RE2N7DFA	B	2.7	±0.3nH	6000	0.10	500				
667—ELJ-RE3N3DFA	B	3.3	±0.3nH	5500	0.12	500				
667—ELJ-RE10NGFA	B	10	±2	2800	0.32	400				
667—ELJ-RE18NGFA	B	18	±2	2300	0.45	350				
667—ELJ-RE22NGFA	B	22	±2	2000	0.50	300				
667—ELJ-RE27NGFA	B	27	±2	2000	0.55	300				
667—ELJ-RE33NGFA	B	33	±2	1800	0.60	300				
667—ELJ-RE39NGFA	B	39	±2	1800	0.80	300				
667—ELJ-RE47NGFA	B	47	±2	1800	0.95	250				
667—ELJ-RE56NGFA	B	56	±2	1800	1.20	250				
667—ELJ-RE68NGFA	B	68	±2	1500	1.30	250				
667—ELJ-RE82NGFA	B	82	±2	1500	1.50	250				
667—ELJ-RER10GFA	B	100	±2	1300	1.80	200				
667—ELJ-RER18GFA	B	180	±2	1000	6.50	80				
667—ELJ-RER22GFA	B	220	±2	900	7.50	70				
667—ELJ-RE3N9JFA	B	3.9	±5	5500	0.15	450				
667—ELJ-RE4N7JFA	B	4.7	±5	4800	0.17	450				
667—ELJ-RE5N6JFA	B	5.6	±5	4600	0.18	430				
667—ELJ-RE6N8JFA	B	6.8	±5	3500	0.20	430				
667—ELJ-RE8N2JFA	B	8.2	±5	3500	0.28	400				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Value (nH)	Tol. %	SRF (MHz)	DCR (Ω max)	I _{ms} (A max)	Price Each			
							1	25	100	500
RF Series 0603 Case Size Cont.										
667—ELJ-RE10NJFA	B	10	±5	2800	0.32	400				
667—ELJ-RE12NJFA	B	12	±5	2800	0.35	400				
667—ELJ-RE15NJFA	B	15	±5	2500	0.41	350				
667—ELJ-RE18NJFA	B	18	±5	2300	0.45	350				
667—ELJ-RE22NJFA	B	22	±5	2000	0.50	300				
667—ELJ-RE33NJFA	B	33	±5	1800	0.60	300				
667—ELJ-RE39NJFA	B	39	±5	1800	0.80	300				
667—ELJ-RE47NJFA	B	47	±5	1800	0.95	250				
667—ELJ-RE56NJFA	B	56	±5	1800	1.20	250				
667—ELJ-RE68NJFA	B	68	±5	1500	1.30	250				
667—ELJ-RE82NJFA	B	82	±5	1500	1.50	250				
667—ELJ-RER10JFA	B	100	±5	1300	1.80	200				
667—ELJ-RER12JFA	B	120	±5	1200	3.00	130				
667—ELJ-RER15JFA	B	150	±5	1100	4.50	100				
667—ELJ-RER18JFA	B	180	±5	1000	6.50	80				
667—ELJ-RER22JFA	B	220	±5	900	7.50	70				
ND Series 0805 Case Size										
667—ELJ-ND12NJF	C	12	±5	3300	0.24	535				
667—ELJ-ND39NJF	C	39	±5	2000	0.41	390				
667—ELJ-ND47NJF	C	47	±5	1650	0.46	385				
667—ELJ-ND56NJF	C	56	±5	1550	0.51	360				
667—ELJ-ND68NJF	C	68	±5	1450	0.57	340				
667—ELJ-ND82NJF	C	82	±5	1100	0.63	330				
667—ELJ-NDR10JF	C	100	±5	800	0.86	285				
667—ELJ-NDR12JF	C	120	±5	600	0.99	275				
667—ELJ-NDR15JF	C	150	±5	600	1.47	230				
667—ELJ-NDR18JF	C	180	±5	600	1.61	195				
667—ELJ-NDR22JF	C	220	±5	500	1.84	170				
667—ELJ-NDR27JF	C	270	±5	300	1.95	165				
667—ELJ-NDR33JF	C	330	±5	200	2.16	160				
667—ELJ-NDR39JF	C	390	±5	150	2.37	150				
667—ELJ-NDR47JF	C	470	±5	150	2.56	145				
667—ELJ-NDR56JF	C	560	±5	100	2.69	140				
667—ELJ-NDR68JF	C	680	±5	100	3.02	130				
667—ELJ-NDR82JF	C	820	±5	80	3.38	125				
667—ELJ-ND1R0JF	C	1000	±5	80	3.88	120				
667—ELJ-ND10NKF	C	10	±10	3300	0.18	540				
667—ELJ-ND12NKF	C	12	±10	3300	0.24	535				
667—ELJ-ND15NKF	C	15	±10	3000	0.24	520				
667—ELJ-ND22NKF	C	22	±10	2600	0.29	465				
667—ELJ-ND27NKF	C	27	±10	2500	0.34	455				
NC Series 1008 Case Size										
667—ELJ-NC33NJF	D	33	±5	1000	0.51	220				
667—ELJ-NC39NJF	D	39	±5	890	0.55	215				
667—ELJ-NC47NJF	D	47	±5	770	0.59	205				
667—ELJ-NC56NJF	D	56</								

ELC SERIES CHOKE COILS - MAGNETIC SHIELD TYPE

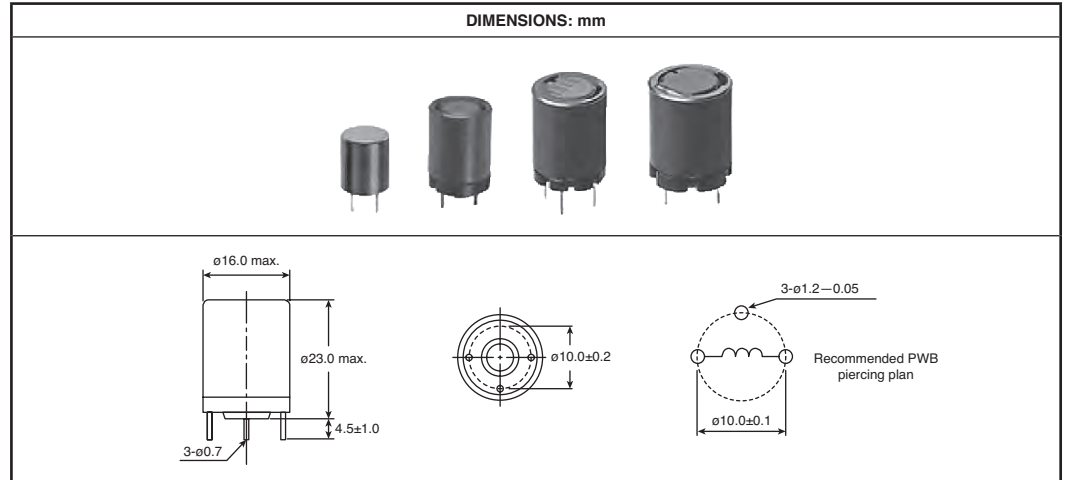

 This product is RoHS compliant.

Features:

- High- μ and High B_m cores
- Wide inductor range
- Magnetic shield type

Applications:

- CTV, VCR, Audio, PC, Fax machines, PDP, Home appliance



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (nH)	Tol. %	DCR (Ω)	Idc (A max)	Price Each			
						1	50	100	500
667-ELC-15E5R6L	ELC-15E5R6L	5.6	±20	0.012	6.80				
667-ELC-15E6R8L	ELC-15E6R8L	6.8	±20	0.013	6.30				
667-ELC-15E8R2L	ELC-15E8R2L	8.2	±20	0.016	5.30				
667-ELC-15E100L	ELC-15E100L	10	±20	0.018	5.40				
667-ELC-15E120L	ELC-15E120L	12	±20	0.019	5.10				
667-ELC-15E150L	ELC-15E150L	15	±20	0.022	4.70				
667-ELC-15E180L	ELC-15E180L	18	±20	0.024	4.50				
667-ELC-15E220L	ELC-15E220L	22	±10	0.027	4.30				
667-ELC-15E270L	ELC-15E270L	27	±10	0.029	4.10				
667-ELC-15E330L	ELC-15E330L	33	±10	0.032	4.00				
667-ELC-15E390L	ELC-15E390L	39	±10	0.033	3.80				
667-ELC-15E470L	ELC-15E470L	47	±10	0.037	3.70				
667-ELC-15E560L	ELC-15E560L	56	±10	0.039	3.60				
667-ELC-15E680L	ELC-15E680L	68	±10	0.045	3.50				
667-ELC-15E820L	ELC-15E820L	82	±10	0.048	3.20				
667-ELC-15E101L	ELC-15E101L	100	±10	0.053	3.00				
667-ELC-15E121L	ELC-15E121L	120	±10	0.059	2.60				
667-ELC-15E151L	ELC-15E151L	150	±10	0.077	2.40				
667-ELC-15E181L	ELC-15E181L	180	±10	0.100	2.30				
667-ELC-15E221L	ELC-15E221L	220	±10	0.140	2.00				

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (nH)	Tol. %	DCR (Ω)	Idc (A max)	Price Each			
						1	50	100	500
667-ELC-15E271L	ELC-15E271L	270	±10	0.150	1.70				
667-ELC-15E331L	ELC-15E331L	330	±10	0.170	1.60				
667-ELC-15E391L	ELC-15E391L	390	±10	0.190	1.50				
667-ELC-15E471L	ELC-15E471L	470	±10	0.210	1.30				
667-ELC-15E561L	ELC-15E561L	560	±10	0.280	1.20				
667-ELC-15E681L	ELC-15E681L	680	±10	0.310	1.10				
667-ELC-15E821L	ELC-15E821L	820	±10	0.440	1.00				
667-ELC-15E102L	ELC-15E102L	1000	±10	0.490	0.95				
667-ELC-15E122L	ELC-15E122L	1200	±10	0.540	0.85				
667-ELC-15E152L	ELC-15E152L	1500	±10	0.710	0.80				
667-ELC-15E182L	ELC-15E182L	1800	±10	0.870	0.75				
667-ELC-15E222L	ELC-15E222L	2200	±10	1.100	0.63				
667-ELC-15E272L	ELC-15E272L	2700	±10	1.400	0.60				
667-ELC-15E332L	ELC-15E332L	3300	±10	1.600	0.53				
667-ELC-15E392L	ELC-15E392L	3900	±10	1.700	0.47				
667-ELC-15E472L	ELC-15E472L	4700	±10	2.400	0.43				
667-ELC-15E562L	ELC-15E562L	5600	±10	2.600	0.39				
667-ELC-15E682L	ELC-15E682L	6800	±10	2.900	0.36				
667-ELC-15E822L	ELC-15E822L	8200	±10	3.500	0.34				
667-ELC-15E103L	ELC-15E103L	10000	±10	4.600	0.30				

QF SERIES HIGH FREQUENCY HIGH Q - NON MAGNETIC CORE

Features:

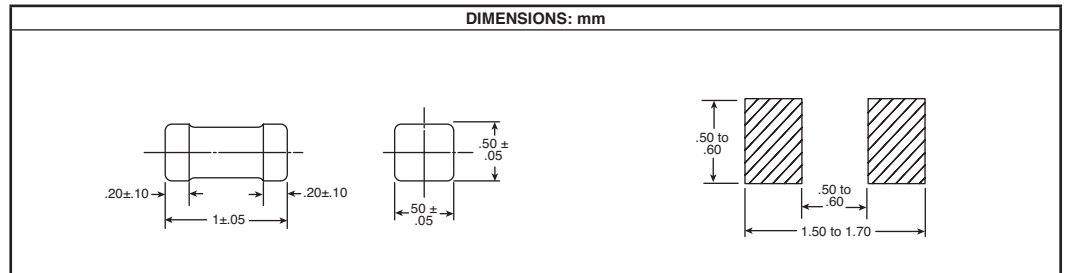
- Non polarity product
- Good for mounting
- High self resonance frequency
- Capable of being Re-flow or flow soldered
- Unique Ceramic Core/Laser-cut technology

Specifications:

- Operating Temp: -20°C to +85°C

Recommended Applications:

- RF circuitry for cellular phones and wireless communication equipment



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Value (nH)	Tol. %	SRF (MHz)	DCR (Ω max)	I _{rms} (A max)	Price Each			
							1	50	100	500
0402 Case Size										
667-ELJ-QF3N0DF	ELJ-QF3N0DF	3	±0.3 nH	5500	0.12	400				
667-ELJ-QF3N0ZF	ELJ-QF3N0ZF	3	±0.2 nH	5500	0.12	400				
667-ELJ-QF3N6DF	ELJ-QF3N6DF	3.6	±0.3 nH	5300	0.14	380				
667-ELJ-QF3N6ZF	ELJ-QF3N6ZF	3.6	±0.2 nH	5300	0.14	380				
667-ELJ-QF4N3DF	ELJ-QF4N3DF	4.3	±0.3 nH	5000	0.16	360				
667-ELJ-QF4N3ZF	ELJ-QF4N3ZF	4.3	±0.2 nH	5000	0.16	360				
667-ELJ-QF5N1DF	ELJ-QF5N1DF	5.1	±0.3 nH	4700	0.18	350				
667-ELJ-QF5N1ZF	ELJ-QF5N1ZF	5.1	±0.2 nH	4700	0.18	350				
667-ELJ-QF6N2DF	ELJ-QF6N2DF	6.2	±0.3 nH	4300	0.25	330				
667-ELJ-QF6N2ZF	ELJ-QF6N2ZF	6.2	±0.2 nH	4300	0.25	330				
667-ELJ-QF7N5JF	ELJ-QF7N5JF	7.5	5	3700	0.33	320				
667-ELJ-QF7N5ZF	ELJ-QF7N5ZF	7.5	±0.2 nH	3700	0.33	320				
667-ELJ-QF9N1JF	ELJ-QF9N1JF	9.1	5	3100	0.38	320				
667-ELJ-QF9N1ZF	ELJ-QF9N1ZF	9.1	±0.2 nH	3100	0.38	320				

For quantities greater than listed, call for quote.

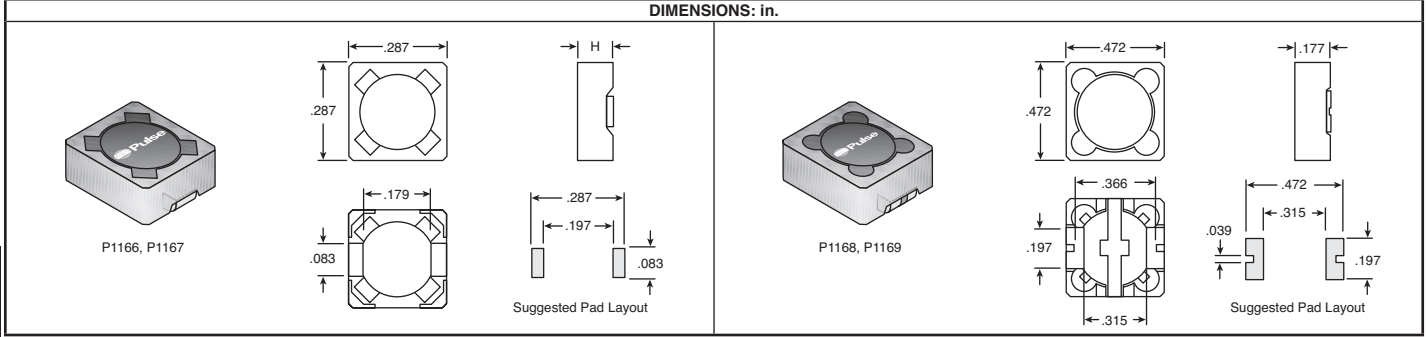
MOUSER STOCK NO.	Panasonic Part No.	Value (nH)	Tol. %	SRF (MHz)	DCR (Ω max)	I _{rms} (A max)	Price Each			
							1	50	100	500
0402 Case Size Cont.										
667-ELJ-QF11NJF	ELJ-QF11NJF	11	5	2800	0.43	320				
667-ELJ-QF11NGF	ELJ-QF11NGF	11	2	2800	0.43	320				
667-ELJ-QF13NJF	ELJ-QF13NJF	13	5	2600	0.53	280				
667-ELJ-QF13NGF	ELJ-QF13NGF	13	2	2600	0.53	280				
667-ELJ-QF16NJF	ELJ-QF16NJF	16	5	2300	0.65	240				
667-ELJ-QF16NGF	ELJ-QF16NGF	16	2	2300	0.65	240				
667-ELJ-QF20NJF	ELJ-QF20NJF	20	5	2100	0.75	220				
667-ELJ-QF20NGF	ELJ-QF20NGF	20	2	2100	0.75	220				
667-ELJ-QF24NJF	ELJ-QF24NJF	24	5	1900	1	200				
667-ELJ-QF24NGF	ELJ-QF24NGF	24	2	1900	1	200				
667-ELJ-QF30NJF	ELJ-QF30NJF	30	5	1800	1.3	190				
667-ELJ-QF30NGF	ELJ-QF30NGF	30	2	1800	1.3	190				
667-ELJ-QF36NJF	ELJ-QF36NJF	36	5	1800	1.6	160				
667-ELJ-QF36NGF	ELJ-QF36NGF	36	2	1800	1.6	160				

PULSE SMT Power Inductors and Shielded Drum Core



RoHS Compliant This product is RoHS compliant.

DIMENSIONS: in.



Pulse offers a complete range of power magnetics for DC-DC converter and switchmode designs. These magnetics include power inductors, power transformers, current sensors, gate drive transformers and common mode inductors.

Many parts are designed for low voltage, high current and high frequency applications. Pulse manufactures the broadest selection of packaging options from various through hole devices to the smallest available surface mount solution with a height of .071" (1.80mm).

Features:

- Low profile and suitable for compact surface area mounting
- Large permissible DC current
- Low DC resistance

Inductors

Pulse P1166 SERIES

Height = .138"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each					Reel Price Per Piece
			1	10	50	100	1200	
RoHS Compliant								
673—P1166.103NLT	10	1.6						
673—P1166.123NLT	12	1.5						
673—P1166.153NLT	15	1.4						
673—P1166.183NLT	18	1.2						
673—P1166.223NLT	22	1.2						
673—P1166.273NLT	27	1						
673—P1166.333NLT	33	0.94						
673—P1166.393NLT	39	0.86						
673—P1166.473NLT	47	0.83						
673—P1166.563NLT	56	0.73						
673—P1166.683NLT	68	0.67						
673—P1166.823NLT	82	0.6						
673—P1166.104NLT	100	0.56						
673—P1166.124NLT	120	0.53						
673—P1166.184NLT	180	0.39						
673—P1166.224NLT	220	0.35						
673—P1166.274NLT	270	0.32						
673—P1166.334NLT	330	0.31						
673—P1166.394NLT	390	0.26						
673—P1166.474NLT	470	0.25						
673—P1166.564NLT	560	0.23						
673—P1166.684NLT	680	0.2						
673—P1166.824NLT	820	0.17						
Non-RoHS Compliant								
673—P1166.103T	10	1.6						
673—P1166.183T	18	1.2						
673—P1166.683T	68	0.67						

Pulse P1168 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each				Reel Price Per Piece
			1	10	50	100	
RoHS Compliant							
673—P1168.103NLT	10	3.6					
673—P1168.123NLT	12	3.5					
673—P1168.153NLT	15	3.1					
673—P1168.183NLT	18	2.8					
673—P1168.223NLT	22	2.6					
673—P1168.273NLT	27	2.4					
673—P1168.333NLT	33	2.2					
673—P1168.393NLT	39	1.9					
673—P1168.473NLT	47	1.8					
673—P1168.563NLT	56	1.7					
673—P1168.683NLT	68	1.5					
673—P1168.823NLT	82	1.4					
673—P1168.104NLT	100	1.2					
673—P1168.124NLT	120	1.1					
673—P1168.154NLT	150	1					
673—P1168.184NLT	180	0.9					
673—P1168.224NLT	220	0.8					
673—P1168.274NLT	270	0.7					
673—P1168.334NLT	330	0.66					
673—P1168.394NLT	390	0.62					
673—P1168.474NLT	470	0.57					
673—P1168.564NLT	560	0.53					
673—P1168.684NLT	680	0.5					
673—P1168.824NLT	820	0.44					
673—P1168.105NLT	1000	0.4					
Non-RoHS Compliant							900
673—P1168.153T	15	3.1					
673—P1168.223T	22	2.6					
673—P1168.683T	68	1.5					
673—P1168.334T	330	0.66					
673—P1168.564T	560	0.53					

Pulse P1167 SERIES

Height = .177"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each					Reel Price Per Piece
			1	10	50	100	900	
RoHS Compliant								
673—P1167.103NLT	10	2						
673—P1167.123NLT	12	1.9						
673—P1167.153NLT	15	1.7						
673—P1167.183NLT	18	1.5						
673—P1167.223NLT	22	1.4						
673—P1167.273NLT	27	1.2						
673—P1167.333NLT	33	1.1						
673—P1167.393NLT	39	1						
673—P1167.473NLT	47	0.94						
673—P1167.563NLT	56	0.86						
673—P1167.683NLT	68	0.78						
673—P1167.823NLT	82	0.7						
673—P1167.104NLT	100	0.63						
673—P1167.124NLT	120	0.57						
673—P1167.154NLT	150	0.52						
673—P1167.184NLT	180	0.47						
673—P1167.224NLT	220	0.43						
673—P1167.274NLT	270	0.39						
673—P1167.334NLT	330	0.35						
673—P1167.394NLT	390	0.32						
673—P1167.474NLT	470	0.29						
673—P1167.564NLT	560	0.26						
673—P1167.684NLT	680	0.23						
673—P1167.824NLT	820	0.21						
673—P1167.105NLT	1000	0.19						
Non-RoHS Compliant								
673—P1167.104T	100	0.63						

Pulse P1169 SERIES

For quantities greater than listed, call for quote.

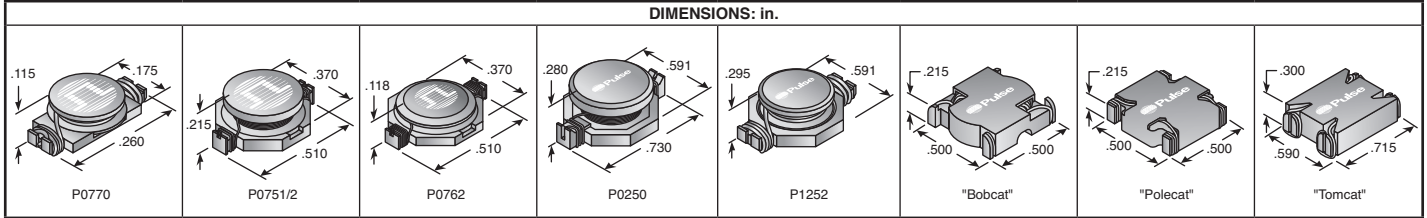
MOUSER STOCK NO.	Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each				Reel Price Per Piece
			1	10	50	100	
RoHS Compliant							
673—P1169.103NLT	10	3.6					
673—P1169.123NLT	12	3.5					
673—P1169.153NLT	15	3.1					
673—P1169.183NLT	18	2.8					
673—P1169.223NLT	22	2.6					
673—P1169.273NLT	27	2.4					
673—P1169.333NLT	33	2.2					
673—P1169.393NLT	39	1.9					
673—P1169.473NLT	47	1.8					
673—P1169.563NLT	56	1.7					
673—P1169.683NLT	68	1.5					
673—P1169.823NLT	82	1.4					
673—P1169.104NLT	100	1.2					
673—P1169.124NLT	120	1.1					
673—P1169.184NLT	180	0.9					
673—P1169.224NLT	220	0.8					
673—P1169.274NLT	270	0.7					
673—P1169.334NLT	330	0.66					
673—P1169.394NLT	390	0.62					
673—P1169.474NLT	470	0.57					
673—P1169.564NLT	560	0.53					
673—P1169.684NLT	680	0.5					
673—P1169.824NLT	820	0.44					
673—P1169.105NLT	1000	0.4					
Non-RoHS Compliant							900
673—P1169.103T	10	3.6					
673—P1169.124T	120	1.1					
673—P1169.224T	220	0.8					

PULSE SMT Power Inductors



RoHS Compliant This product is RoHS compliant.

DIMENSIONS: in.



Features:

- Reliable self-leads
- High energy storage and low DC resistance
- Ideal for DC/DC conversion in notebook computers
- Direct Coilcraft replacement
- PDA's, step-up or step-down converters

Specifications:

- Operating Temperature: -40°C to +85°C

Cross Reference Chart	
Pulse Series	Coilcraft Series
P0770	DO1608
P0751	DO3316P
P0762	DO3308P
P0250	DO5022
P1252	DO5022HC

Pulse P0250 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each			
			1	10	100	Reel 250
673—P0250.102NLT	1	20				
673—P0250.222NLT	2	16				
673—P0250.332NLT	3	14				
673—P0250.562NLT	5	12				
673—P0250.103NLT	9.5	10				
673—P0250.153NLT	13.5	8				
673—P0250.223NLT	20	7				
673—P0250.333NLT	30	5.5				
673—P0250.473NLT	43	4.5				
673—P0250.683NLT	62	3.5				
673—P0250.104NLT	95	3				
673—P0250.154NLT	135	2.6				
673—P0250.224NLT	200	2.4				
673—P0250.334NLT	300	1.9				
673—P0250.474NLT	430	1.4				
673—P0250.684NLT	620	1.2				
673—P0250.105NLT	950	1				

Pulse P1252 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each			
			1	10	100	Reel 300
673—P1252.781NLT	0.78	30				
673—P1252.332NLT	2.2	20				
673—P1252.392NLT	3.3	17				
673—P1252.472NLT	3.9	15				
673—P1252.602NLT	4.7	13				
673—P1252.782NLT	6	12				
673—P1252.222NLT	7.8	11				
673—P1252.103NLT	10	10				

Pulse SMT TOROIDAL INDUCTORS

"Bobcat" Series Inductor

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IDC (A)	LDC (μH)	Price Each			
			1	10	100	Reel 500
673—P0144NLT	3.80	9.4				
673—P0147NLT	1.65	50				
673—P0151NLT	0.81	200				

"Polecat" Series, Dual Inductor

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IDC (A)	Ref. L @ DC LDC (μH)	DCR (m Ω) (max.)	Price Each			
				1	10	100	500
673—P0174NLT	8.3	4.15	2	7.6	7.6	30.3	
673—P0175NLT	7.2	3.6	2.4	9.6	10.9	43.6	
673—P0176NLT	5.2	2.6	5	20	19	76	
673—P0177NLT	3.84	1.92	9.3	37.3	29.8	119	
673—P0178NLT	3.12	1.56	14.1	56.2	45.3	181	
673—P0179NLT	2.64	1.32	19.7	79	66.3	265	
673—P0180NLT	2.16	1.08	29.3	117.3	106	424	
673—P0181NLT	1.8	0.9	42.6	170.3	151	603	
673—P0182NLT	1.48	0.74	61.3	245.3	224	897	
673—P0183NLT	1.22	0.61	84.2	336.7	324	1295	

"Tomcat" Series, Dual Inductor

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IDC (A)	Ref. L @ DC LDC (μH)	DCR (m Ω) (max.)	Price Each			
				1	10	100	500
673—P0395NLT	14.4	7.2	1.5	6.1	4.41	17.6	
673—P0396NLT	11.2	5.6	2.4	9.7	6.54	26.2	
673—P0397NLT	8.2	4.1	4.2	17	10.47	41.9	
673—P0398NLT	6.8	3.4	5.8	23.1	14.94	59.7	
673—P0399NLT	5.7	2.85	7.6	30.6	20.99	84	
673—P0400NLT	5.4	2.7	12.1	48.5	23.24	93	
673—P0401NLT	4.4	2.2	18	72	38.15	152.6	
673—P0402NLT	3.54	1.77	27	108	53.21	212.8	
673—P0403NLT	3	1.5	34.8	139.1	73.89	295.6	

Pulse P0770 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each			
			1	10	100	Reel 500
673—P0770.102NLT	1	2.9				
673—P0770.152NLT	1.5	2.6				
673—P0770.222NLT	2.2	2.3				
673—P0770.332NLT	3.3	2				
673—P0770.472NLT	4.7	1.5				
673—P0770.682NLT	6.8	1.2				
673—P0770.103NLT	10	1.1				
673—P0770.153NLT	15	0.9				
673—P0770.223NLT	22	0.7				
673—P0770.333NLT	33	0.58				
673—P0770.473NLT	47	0.5				
673—P0770.683NLT	68	0.4				
673—P0770.104NLT	100	0.31				
673—P0770.154NLT	150	0.27				
673—P0770.224NLT	220	0.22				

Pulse P0751 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each			
			1	50	100	Reel 800
673—P0751.102NLT	1	9				
673—P0751.152NLT	1.5	8				
673—P0751.222NLT	2.2	7				
673—P0751.332NLT	3.3	6.4				
673—P0751.472NLT	4.7	5.4				
673—P0751.682NLT	6.8	4.6				
673—P0751.103NLT	10	3.8				
673—P0751.153NLT	15	3				
673—P0751.223NLT	22	2.6				
673—P0751.333NLT	33	2				
673—P0751.473NLT	47	1.6				
673—P0751.683NLT	68	1.4				

Pulse P0752 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each			
			1	10	100	Reel 800
673—P0752.104NLT	100	1.2				
673—P0752.154NLT	150	1				
673—P0752.224NLT	220	0.8				
673—P0752.334NLT	330	0.6				
673—P0752.474NLT	470	0.5				
673—P0752.684NLT	680	0.4				
673—P0752.105NLT	1000	0.3				

Pulse P0762 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each			
			1	10	100	Reel 500
673—P0762.103NLT	10	2.4				
673—P0762.153NLT	15	2				
673—P0762.223NLT	22	1.6				
673—P0762.333NLT	33	1.4				
673—P0762.473NLT	47	1				
673—P0762.683NLT	68	0.9				
673—P0762.104NLT	100	0.7				
673—P0762.154NLT	150	0.6				
673—P0762.224NLT	220	0.5				
673—P0762.334NLT	330	0.4				
673—P0762.474NLT	470	0.3				
673—P0762.684NLT	680	0.2				
673—P0762.105NLT	1000	0.1				

SUMIDA Power Inductors



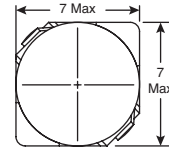
This product is RoHS compliant.



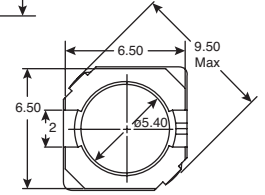
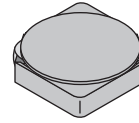
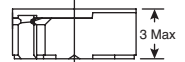
CDRH6D28 SERIES

Low profile SMD power inductors with electrodes directly attached to the ferrite core. EMI Shielding is used to minimize crosstalk interference.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH6D28NP-3R0NC	CDRH6D28NP-3R0NC	3	3				
851-CDRH6D28NP-3R9NC	CDRH6D28NP-3R9NC	3.9	2.6				
851-CDRH6D28NP-5R0NC	CDRH6D28NP-5R0NC	5	2.4				
851-CDRH6D28NP-6R0NC	CDRH6D28NP-6R0NC	6	2.25				
851-CDRH6D28NP-7R3NC	CDRH6D28NP-7R3NC	7.3	2.1				
851-CDRH6D28NP-100NC	CDRH6D28NP-100NC	10	1.7				
851-CDRH6D28NP-150NC	CDRH6D28NP-150NC	15	1.4				
851-CDRH6D28NP-180NC	CDRH6D28NP-180NC	18	1.32				
851-CDRH6D28NP-220NC	CDRH6D28NP-220NC	22	1.2				
851-CDRH6D28NP-330NC	CDRH6D28NP-330NC	33	0.97				
851-CDRH6D28NP-470NC	CDRH6D28NP-470NC	47	0.8				
851-CDRH6D28NP-680NC	CDRH6D28NP-680NC	68	0.65				
851-CDRH6D28NP-101NC	CDRH6D28NP-101NC	100	0.54				



DIMENSIONS: mm



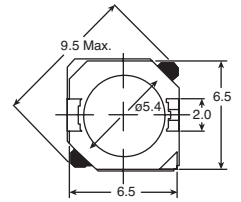
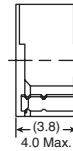
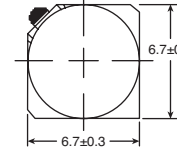
CDRH6D38T SERIES

Specifications:

- Ferrite drum core construction
- Magnetically shielded
- Moisture Sensitivity Level: 1
- Halogen Free available
- Operating temperature range: -40°C to 125°C
- Solder reflow temperature: 260°C peak



MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
851-CDRH6D38T125N3R0	CDRH6D38T125NP-3R0NC	3	3	±30%				
851-CDRH6D38T125N5R6	CDRH6D38T125NP-5R6NC	5.6	2.1	±30%				
851-CDRH6D38T125N100	CDRH6D38T125NP-100PC	10	1.7	±25%				
851-CDRH6D38T125N220	CDRH6D38T125NP-220PC	22	1	±25%				

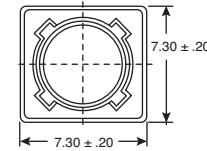


DIMENSIONS: mm

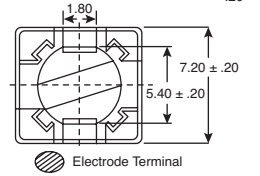
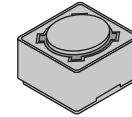
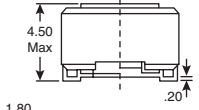
CDRH74 SERIES

SMD power inductors with electrodes directly attached to the ferrite core. EMI Shielding is used to minimize crosstalk interference.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
851-CDRH74NP-100MC	CDRH74NP-100MC	10	1.84					
851-CDRH74NP-150MC	CDRH74NP-150MC	15	1.47					
851-CDRH74NP-180MC	CDRH74NP-180MC	18	1.31					
851-CDRH74NP-220MC	CDRH74NP-220MC	22	1.23					
851-CDRH74NP-330MC	CDRH74NP-330MC	33	0.96					
851-CDRH74NP-470MC	CDRH74NP-470MC	47	0.88					
851-CDRH74NP-680MC	CDRH74NP-680MC	68	0.69					
851-CDRH74NP-101MC	CDRH74NP-101MC	100	0.6					
851-CDRH74NP-331MC	CDRH74NP-331MC	330	0.32					
851-CDRH74NP-471MC	CDRH74NP-471MC	470	0.26					
851-CDRH74NP-102MC	CDRH74NP-102MC	1000	0.45					



DIMENSIONS: mm



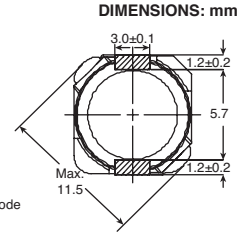
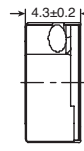
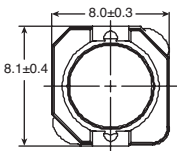
CDRH8D43RT SERIES

Specifications:

- Ferrite drum core construction
- Magnetically shielded
- Moisture Sensitivity Level: 1
- Halogen Free available
- Operating temperature range: -40°C to 125°C
- Solder reflow temperature: 260°C peak



MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
851-CDRH8D43RT1254R3	CDRH8D43RT125NP-4R3NC	4.3	4.2	±30%				
851-CDRH8D43RT125100	CDRH8D43RT125NP-100MC	10	2.75	±20%				
851-CDRH8D43RT125150	CDRH8D43RT125NP-150MC	15	2.3	±20%				
851-CDRH8D43RT125470	CDRH8D43RT125NP-470MC	47	1.3	±20%				



DIMENSIONS: mm

CDRH8D48A SERIES

Specifications:

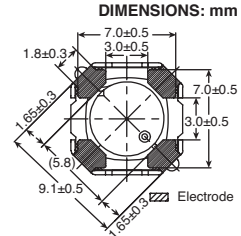
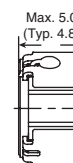
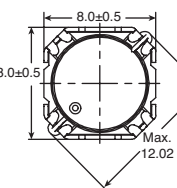
- Ferrite drum core construction
- Magnetically shielded
- Moisture Sensitivity Level: 1
- Halogen Free available
- Operating temperature range: -40°C to 125°C
- Solder reflow temperature: 260°C peak

Applications:

- Automotive and other high temperature, high reliability application



MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
851-CDRH8D48/ANP100	CDRH8D48/ANP-100MC	10	2.26	±20%				



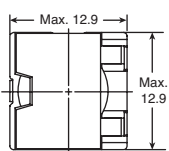
DIMENSIONS: mm

CEP125 SERIES

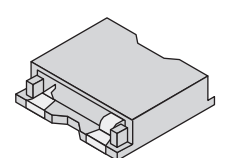
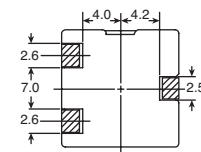
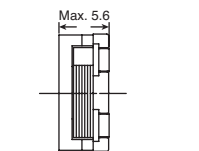
Features:

- Measuring Freq. (L): 100kHz
- Tolerance of Inductance: (S) 0.68μH±30% (N), 1.5μH-10μH±20% (M)
- (H) 0.47μH±30% (N), 1.0μH-7.2μH±20% (M)
- (U) 0.35μH-0.8±30% (N), 1.4μH-5.6μH±20% (M)

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CEP125NP-1R0MC-H	CEP125NP-1R0MC-H	1.0	20				
851-CEP125NP-1R4MC-U	CEP125NP-1R4MC-U	1.4	19.2				
851-CEP125NP-1R5MC	CEP125NP-1R5MC	1.5	14				
851-CEP125NP-1R8MC-H	CEP125NP-1R8MC-H	1.8	15.3				
851-CEP125NP-2R5MC	CEP125NP-2R5MC	2.5	10				
851-CEP125NP-4R0MC	CEP125NP-4R0MC	4.0	8.3				
851-CEP125NP-4R0MC-H	CEP125NP-4R0MC-H	4.0	10.3				
851-CEP125NP-4R3MC-U	CEP125NP-4R3MC-U	4.3	11				
851-CEP125NP-5R6MC-H	CEP125NP-5R6MC-H	5.6	8.8				
851-CEP125NP-6R0MC	CEP125NP-6R0MC	6.0	6.7				
851-CEP125NP-7R2MC-H	CEP125NP-7R2MC-H	7.2	7.8				
851-CEP125NP-100MC	CEP125NP-100MC	10	5.0				



DIMENSIONS: mm



SUMIDA Power Inductors



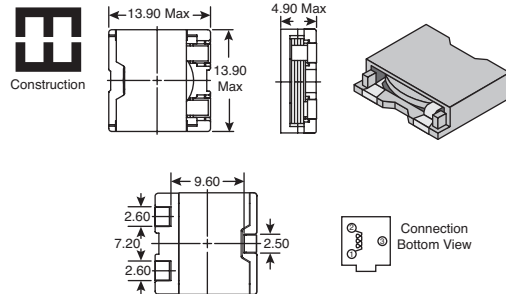
This product is RoHS compliant.

CDEP134 SERIES

High current handling and low DCR are achieved in a small package with Flat Wire Technology. EMI Shielding is used to minimize crosstalk interference.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
851-CDEP134NP-0R9MC	CDEP134NP-0R9MC	0.9	17	±20%				
851-CDEP134NP-1R2MC-H	CDEP134NP-1R2MC-H	1.2	15	±20%				
851-CDEP134NP-1R6MC	CDEP134NP-1R6MC	1.6	15	±20%				
851-CDEP134NP-2R5MC	CDEP134NP-2R5MC	2.5	10.5	±20%				
851-CDEP134NP-3R6MC-H	CDEP134NP-3R6MC-H	3.6	7.5	±20%				
851-CDEP134NP-4R8MC	CDEP134NP-4R8MC	4.8	7	±20%				
851-CDEP134NP-6R4MC	CDEP134NP-6R4MC	6.4	7	±20%				
851-CDEP134NP-8R0MC	CDEP134NP-8R0MC	8	6.5	±20%				

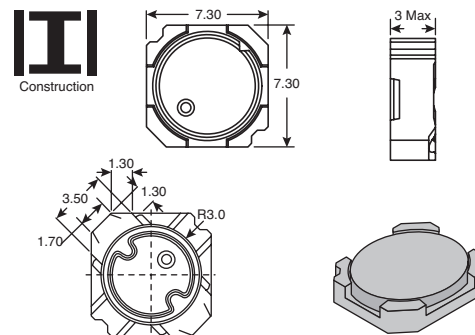


CDR7D28MN SERIES

The DC superposition characteristic is extended by making manganese zinc and nickel zinc ferrite core into a hybrid as compared with the previous type.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDR7D28MNNP-2R0NC	CDR7D28MNNP-2R0NC	2	3.95				
851-CDR7D28MNNP-4R6NC	CDR7D28MNNP-4R6NC	4.6	3.1				
851-CDR7D28MNNP-6R8NC	CDR7D28MNNP-6R8NC	6.8	2.75				
851-CDR7D28MNNP-8R0NC	CDR7D28MNNP-8R0NC	8	2.6				
851-CDR7D28MNNP-100NC	CDR7D28MNNP-100NC	10	2.5				
851-CDR7D28MNNP-150NC	CDR7D28MNNP-150NC	15	2				
851-CDR7D28MNNP-220NC	CDR7D28MNNP-220NC	22	1.6				
851-CDR7D28MNNP-330NC	CDR7D28MNNP-330NC	33	1.2				



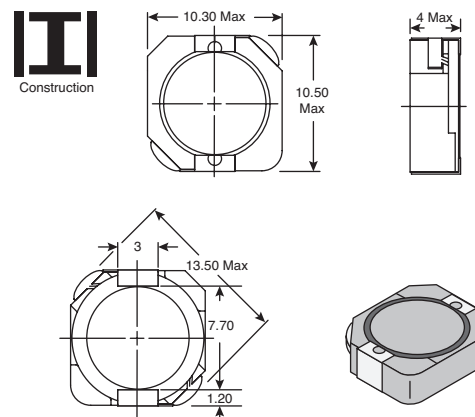
CDRH104R SERIES

Specifications:
• Magnetically shielded

Applications:
• Ideally used in Notebook PC, LCD TV, DVD, Game machine, STB, Projector etc as DC-DC Converter inductors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH104RNP-1R5NC	CDRH104RNP-1R5NC	1.5	6.5				
851-CDRH104RNP-2R5NC	CDRH104RNP-2R5NC	2.5	6.1				
851-CDRH104RNP-3R8NC	CDRH104RNP-3R8NC	3.8	5.5				
851-CDRH104RNP-5R2NC	CDRH104RNP-5R2NC	5.2	5.4				
851-CDRH104RNP-100NC	CDRH104RNP-100NC	10	3.8				
851-CDRH104RNP-150NC	CDRH104RNP-150NC	15	3.1				
851-CDRH104RNP-220NC	CDRH104RNP-220NC	22	2.5				
851-CDRH104RNP-330NC	CDRH104RNP-330NC	33	2.2				
851-CDRH104RNP-470NC	CDRH104RNP-470NC	47	1.9				
851-CDRH104RNP-680NC	CDRH104RNP-680NC	68	1.42				
851-CDRH104RNP-101NC	CDRH104RNP-101NC	100	1.25				



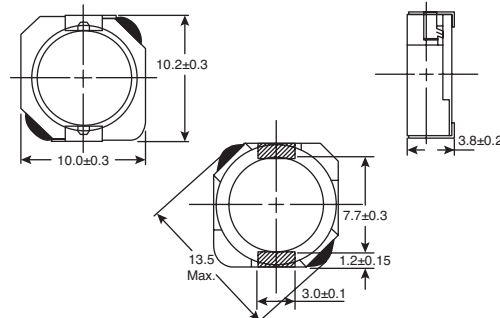
CDRH104RT SERIES

Specifications:
• Ferrite drum core construction
• Magnetically shielded
• Moisture Sensitivity Level: 1
• Halogen Free available
• Operating temperature range: -40°C to 125°C
• Solder reflow temperature: 260°C peak



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
851-CDRH104RT125N4R7	CDRH104RT125NP-4R7PC	4.7	4.6	±30%				
851-CDRH104RT125N100	CDRH104RT125NP-100MC	10	3.46	±30%				
851-CDRH104RT125N220	CDRH104RT125NP-220MC	22	2.18	±30%				
851-CDRH104RT125N330	CDRH104RT125NP-330MC	33	1.8	±30%				



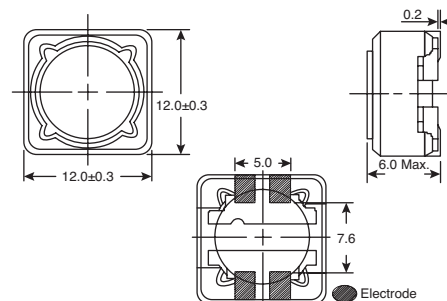
CDRH125L SERIES

Specifications:
• Ferrite drum core construction
• Magnetically shielded
• Moisture Sensitivity Level: 1
• Halogen Free available
• Operating temperature range: -40°C to 125°C
• Solder reflow temperature: 260°C peak



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
851-CDRH125L125NP100	CDRH125L125NP-100MC	10	4.1	±20%				
851-CDRH125L125NP220	CDRH125L125NP-220MC	22	2.81	±20%				
851-CDRH125L125NP470	CDRH125L125NP-470MC	47	2.44	±20%				
851-CDRH125L125NP101	CDRH125L125NP-101MC	100	1.37	±20%				



SUMIDA Power Inductors



This product is RoHS compliant.

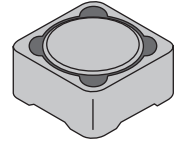
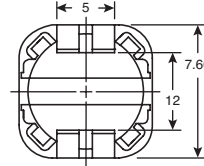
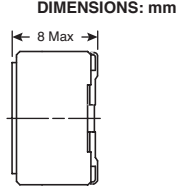
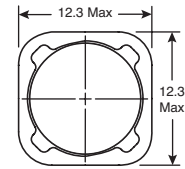


CDRH127 SERIES

CDRH127 series are SMD power inductors with electrodes directly attached to the ferrite core. EMI Shielding is used to minimize crosstalk interference.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH127NP-4R7NC	CDRH127NP-4R7NC	4.7	6.8				
851-CDRH127NP-6R1NC	CDRH127NP-6R1NC	6.1	6.6				
851-CDRH127NP-7R6NC	CDRH127NP-7R6NC	7.6	5.9				
851-CDRH127NP-100MC	CDRH127NP-100MC	10	5.4				
851-CDRH127NP-150MC	CDRH127NP-150MC	15	4.5				
851-CDRH127NP-220MC	CDRH127NP-220MC	22	3.6				
851-CDRH127NP-270MC	CDRH127NP-270MC	27	3.4				
851-CDRH127NP-330MC	CDRH127NP-330MC	33	3				
851-CDRH127NP-390MC	CDRH127NP-390MC	39	2.75				
851-CDRH127NP-470MC	CDRH127NP-470MC	47	2.5				
851-CDRH127NP-560MC	CDRH127NP-560MC	56	2.35				
851-CDRH127NP-680MC	CDRH127NP-680MC	68	2.1				
851-CDRH127NP-101MC	CDRH127NP-101MC	100	1.7				
851-CDRH127NP-102MC	CDRH127NP-102MC	1000	0.55				



CDRH127L SERIES

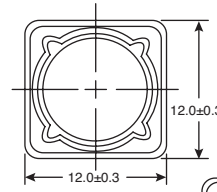
Specifications:

- Ferrite drum core construction
- Magnetically shielded
- Moisture Sensitivity Level: 1
- Halogen Free available
- Operating temperature range: -40°C to 125°C
- Solder reflow temperature: 260°C peak

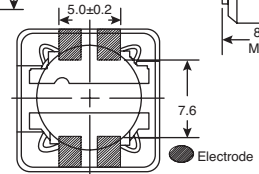
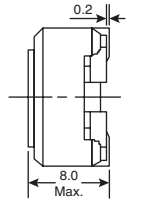


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
851-CDRH127L125NP100	CDRH127L125NP-100MC	10	6.6	±20%				
851-CDRH127L125NP470	CDRH127L125NP-470MC	47	3.15	±20%				
851-CDRH127L125NP4R7	CDRH127L125NP-4R7MC	4.7	12.3	±30%				
851-CDRH127L125NP4R7	CDRH127L125NP-4R7NC	4.7	12.3	±30%				
851-CDRH127L125NP220	CDRH127L125NP-220MC	22	4.4	±20%				



DIMENSIONS: mm

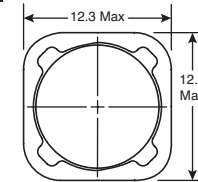


CDRH127LD SERIES

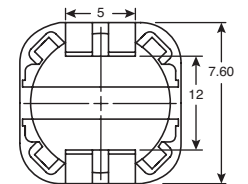
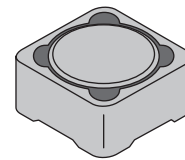
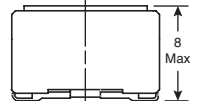
CDRH127/LD is a low DCR direct drop-in version of Sumida's most popular series, the CDRH127 series. EMI Shielding is used to minimize crosstalk interference.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH127LDNP2R4NC	CDRH127LDNP-2R4NC	2.4	10.3				
851-CDRH127LDNP100MC	CDRH127LDNP-100MC	10	6.7				
851-CDRH127LDNP120MC	CDRH127LDNP-120MC	12	6.45				
851-CDRH127LDNP150MC	CDRH127LDNP-150MC	15	5.65				
851-CDRH127LDNP180MC	CDRH127LDNP-180MC	18	5.1				
851-CDRH127LDNP220MC	CDRH127LDNP-220MC	22	4.7				
851-CDRH127LDNP270MC	CDRH127LDNP-270MC	27	4.2				
851-CDRH127LDNP330MC	CDRH127LDNP-330MC	33	3.9				
851-CDRH127LDNP390MC	CDRH127LDNP-390MC	39	3.5				
851-CDRH127LDNP470MC	CDRH127LDNP-470MC	47	3.25				
851-CDRH127LDNP680MC	CDRH127LDNP-680MC	68	2.6				
851-CDRH127LDNP820MC	CDRH127LDNP-820MC	82	2.4				
851-CDRH127LDNP101MC	CDRH127LDNP-101MC	100	2.1				
851-CDRH127LDNP151MC	CDRH127LDNP-151MC	150	1.8				
851-CDRH127LDNP221MC	CDRH127LDNP-221MC	220	1.45				
851-CDRH127LDNP331MC	CDRH127LDNP-331MC	330	1.2				
851-CDRH127LDNP471MC	CDRH127LDNP-471MC	470	1				
851-CDRH127LDNP681MC	CDRH127LDNP-681MC	680	0.85				
851-CDRH127LDNP102MC	CDRH127LDNP-102MC	1000	0.7				



DIMENSIONS: mm



CDRH12D58A SERIES

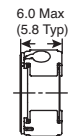
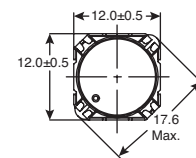
Specifications:

- Ferrite drum core construction
- Magnetically shielded
- Moisture Sensitivity Level: 1
- Operating temperature range: -40°C to 155°C
- Solder reflow temperature: 260°C peak

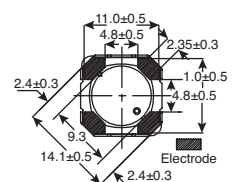


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
851-CDRH12D58/ANP470	CDRH12D58/ANP-470MC	47	1.8	±20%				



DIMENSIONS: mm



CDRH12D78A SERIES

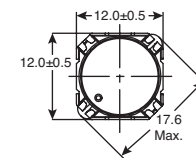
Specifications:

- Ferrite drum core construction
- Magnetically shielded
- Moisture Sensitivity Level: 1
- Operating temperature range: -40°C to 155°C
- Solder reflow temperature: 260°C peak

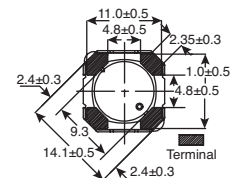


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
851-CDRH12D78/ANP100	CDRH12D78/ANP-100MC	10	4.2	±20%				
851-CDRH12D78/ANP150	CDRH12D78/ANP-150MC	15	3.7	±20%				
851-CDRH12D78/ANP220	CDRH12D78/ANP-220MC	22	2.9	±20%				
851-CDRH12D78/ANP470	CDRH12D78/ANP-470MC	47	2.1	±20%				



DIMENSIONS: mm



SUMIDA Power Inductors



This product is RoHS compliant.



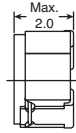
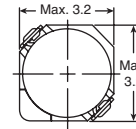
CDRH2D09 SERIES

Features:

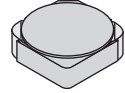
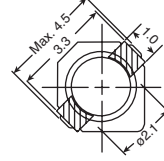
- Measuring Freq. (L): 100KHz
- Tolerance of Inductance: $1.5\mu\text{H}-10\mu\text{H} \pm 30\%$ (N)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (mA)	Price Each			
				1	10	100	500
851-CDRH2D09NP-2R2MC	CDRH2D09NP-2R2MC	2.2	600				
851-CDRH2D09NP-3R0MC	CDRH2D09NP-3R0MC	3.0	470				
851-CDRH2D09NP-3R9MC	CDRH2D09NP-3R9MC	3.9	450				
851-CDRH2D09NP-4R7MC	CDRH2D09NP-4R7MC	4.7	410				
851-CDRH2D09NP-5R6MC	CDRH2D09NP-5R6MC	5.6	370				
851-CDRH2D09NP-6R8MC	CDRH2D09NP-6R8MC	6.8	330				
851-CDRH2D09NP-100MC	CDRH2D09NP-100MC	10	280				



DIMENSIONS: mm



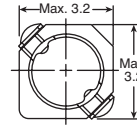
CDRH2D18 SERIES

Features:

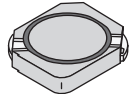
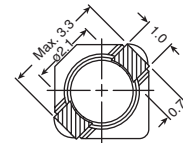
- Measuring Freq. (L): 100KHz
- Tolerance of Inductance: $1.7\mu\text{H}-10\mu\text{H} \pm 30\%$ (N)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (mA)	Price Each			
				1	10	100	500
851-CDRH2D18HP-1R7NC	CDRH2D18/HP-1R7NC	1.7	185				
851-CDRH2D18HP-4R7NC	CDRH2D18/HP-4R7NC	4.7	630				
851-CDRH2/HPNP-6R3NC	CDRH2D18/HPNP-6R3NC	6.3	550				
851-CDRH2D18HP-100NC	CDRH2D18/HP-100NC	10	430				
851-CDRH2D18HP-150NC	CDRH2D18/HP-150NC	15	350				



DIMENSIONS: mm



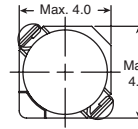
CDRH3D16 SERIES

Features:

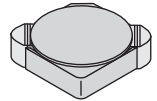
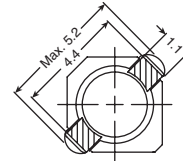
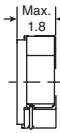
- Measuring Freq. (L): 100KHz
- Tolerance of Inductance: $1.5\mu\text{H}-33\mu\text{H} \pm 30\%$ (N)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (mA)	Price Each			
				1	10	100	500
851-CDRH3D16NP-1R5NC	CDRH3D16NP-1R5NC	1.5	1550				
851-CDRH3D16NP-2R2NC	CDRH3D16NP-2R2NC	2.2	1200				
851-CDRH3D16NP-3R3NC	CDRH3D16NP-3R3NC	3.3	1100				
851-CDRH3D16NP-4R7NC	CDRH3D16NP-4R7NC	4.7	900				
851-CDRH3D16NP-6R8NC	CDRH3D16NP-6R8NC	6.8	730				
851-CDRH3D16NP-100NC	CDRH3D16NP-100NC	10	550				
851-CDRH3D16NP-150NC	CDRH3D16NP-150NC	15	450				
851-CDRH3D16NP-220NC	CDRH3D16NP-220NC	22	400				
851-CDRH3D16NP-330NC	CDRH3D16NP-330NC	33	320				



DIMENSIONS: mm



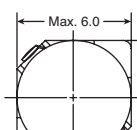
CDRH5D18 SERIES

Features:

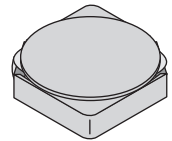
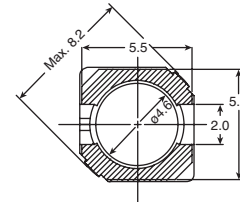
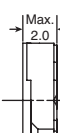
- Measuring Freq. (L): 100KHz
- Tolerance of Inductance: $4.1\mu\text{H}-100\mu\text{H} \pm 30\%$ (N)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (mA)	Price Each			
				1	10	100	500
851-CDRH5D18NP-4R1NC	CDRH5D18NP-4R1NC	4.1	1950				
851-CDRH5D18NP-5R4NC	CDRH5D18NP-5R4NC	5.4	1600				
851-CDRH5D18NP-6R2NC	CDRH5D18NP-6R2NC	6.2	1400				
851-CDRH5D18NP-8R9NC	CDRH5D18NP-8R9NC	8.9	1250				
851-CDRH5D18NP-100NC	CDRH5D18NP-100NC	10	1200				
851-CDRH5D18NP-120NC	CDRH5D18NP-120NC	12	1100				
851-CDRH5D18NP-150NC	CDRH5D18NP-150NC	15	970				
851-CDRH5D18NP-180NC	CDRH5D18NP-180NC	18	850				
851-CDRH5D18NP-220NC	CDRH5D18NP-220NC	22	800				
851-CDRH5D18NP-270NC	CDRH5D18NP-270NC	27	750				
851-CDRH5D18NP-330NC	CDRH5D18NP-330NC	33	650				
851-CDRH5D18NP-470NC	CDRH5D18NP-470NC	47	540				
851-CDRH5D18NP-560NC	CDRH5D18NP-560NC	56	500				
851-CDRH5D18NP-680NC	CDRH5D18NP-680NC	68	430				



DIMENSIONS: mm



CDRH5D28RH SERIES

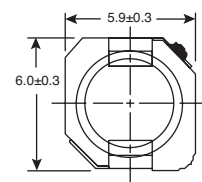
Specifications:

- Ferrite drum core construction
- Magnetically shielded
- Moisture Sensitivity Level: 1
- Halogen Free available
- Operating temperature range: -40°C to 125°C
- Solder reflow temperature: 260°C peak

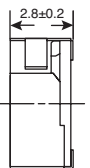
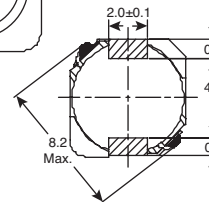


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
851-CDRH5D28RH1253R3	CDRH5D28RH125NP1-3R3PC	3.3	3.4	$\pm 25\%$				
851-CDRH5D28RH1254R7	CDRH5D28RH125NP-4R7PC	4.7	2.89	$\pm 25\%$				
851-CDRH5D28RH125220	CDRH5D28RH125NP-220MC	22	1.33	$\pm 20\%$				
851-CDRH5D28RH125470	CDRH5D28RH125NP-470MC	47	0.91	$\pm 20\%$				



DIMENSIONS: mm



TAIYO YUDEN Multilayer Chip Inductors TAIYO YUDEN

RoHS Compliant This product is RoHS compliant.

NEW SUPPLIER

Inductors

Taiyo Yuden

NEW SUPPLIER

NEW SUPPLIER

Type	Dimensions: mm (in.)			
	L	W	T	e
BK0603 (0201)	0.30±0.03 (0.024±0.001)	0.30±0.03 (0.012±0.001)	0.30±0.03 (0.012±0.001)	0.15±0.05 (0.006±0.002)
BK1005 (0402)	1.00±0.05 (0.024±0.001)	0.30±0.03 (0.012±0.001)	0.50±0.05 (0.020±0.002)	0.25±0.10 (0.010±0.004)
BK1608 (0603)	1.6±0.15 (0.063±0.006)	0.8±0.15 (0.031±0.006)	0.8±0.15 (0.031±0.006)	0.3±0.2 (0.012±0.008)
BKP0603 (0201)	0.6±0.03 (0.024±0.001)	0.3±0.03 (0.012±0.001)	0.3±0.03 (0.012±0.001)	0.15±0.05 (0.006±0.002)
BKP1005 (0402)	1.00±0.05 (0.039±0.002)	0.50±0.05 (0.020±0.002)	0.50±0.05 (0.020±0.002)	0.25±0.10 (0.010±0.004)
BKP1608 (0603)	1.6±0.15 (0.063±0.006)	0.8±0.15 (0.031±0.006)	0.8±0.15 (0.031±0.006)	0.3±0.2 (0.012±0.008)
BKP2125 (0805)	2.0±0.3/-0.1 (0.079±0.012/-0.004)	1.25±0.2 (0.049±0.008)	0.85±0.2 (0.033±0.008)	0.5±0.3 (0.020±0.012)

BK SERIES CHIP BEAD INDUCTORS

- Features:**
- Internal silver printed layer creates a closed circuit which acts as a magnetic shield minimizing heat generation and crosswalk
 - No need for grounding provides greater circuit design flexibility
 - Several material types and a broad range of impedance values provide noise countermeasures for various applications

- Applications:**
- Noise suppression in video and other AV products
 - Radiated noise suppression in computer or printed interfaces and harness connectors

For additional sizes and values, visit mouser.com

MOUSER STOCK NO.		Impedance (Ω)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
0201								
963	BK0603LL100-T	10	0.25	200				
963	BK0603HS220-T	22	0.065	500				
963	BK0603HS330-T	33	0.07	500				
963	BK0603HM121-T	120	0.4	200				
963	BK0603HM241-T	240	0.8	200				
0402								
963	BK1005HS100-T	10	0.03	1000				
963	BK1005HS330-T	33	0.06	700				
963	BK1005HM121-T	120	0.18	300				
963	BK1005HM241-T	240	0.3	300				
963	BK1005HM102-T	1000	0.7	150				
0603								
963	BK1608HS330-T	33	0.08	1200				
963	BK1608HM121-T	120	0.2	350				
963	BK1608LL181-T	180	0.65	250				
963	BK1608HM241-T	240	0.35	300				
963	BK1608HM102-T	1000	0.7	200				

Type	Dimensions: mm (in.)			
	L	W	T	e
CK1608 (0603)	1.6±0.15 (0.063±0.006)	0.8±0.15 (0.031±0.006)	0.8±0.15 (0.031±0.006)	0.3±0.2 (0.012±0.008)
CK2125 CKS2125 (0805)	2.0±0.3/-0.1 (0.079±0.012/0.004)	1.25±0.2 (0.049±0.008)	0.85±0.2 (0.033±0.008) 1.25±0.2 (0.049±0.008)	0.5±0.3 (0.020±0.012)
CKP2012 NM2012 (0805)	2.0±0.2 (0.079±0.008)	1.25±0.2 (0.049±0.008)	1.0 max. (0.039 max.)	0.5±0.3 (0.02±0.012)
CKP2016 (0806)		1.6±0.2 (0.063±0.008)	0.8 max. (0.031 max.)	
CKP2520 NM2520 (1008)	2.5±0.2 (0.098±0.008)	2.0±0.2 (0.079±0.008)	1.0 max. (0.039 max.) 1.2 max. (0.047 max.)	

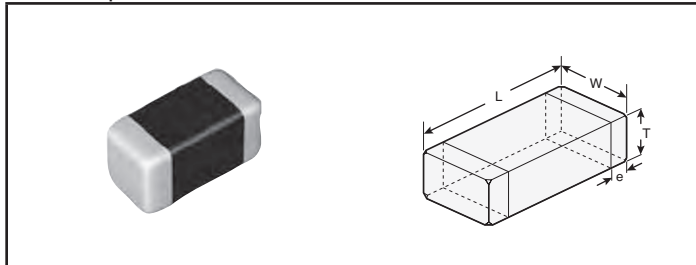
CK SERIES

- Features:**
- Internal printed coil structure creates a closed magnetic shield eliminating crosswalk, thus permitting higher mounting densities
 - Multilayer block structure yields higher reliability

- Applications:**
- Separation of analog & digital circuits

For additional sizes and values, visit mouser.com

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω typ.)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
0603								
963	CK16084R7M-T	4.7	0.45	60				
963	CK1608100M-T	10	0.85	50				
0805								
963	CK2125R10M-T	0.10	0.08	500				
963	CK2125R15M-T	0.15	0.13	500				
963	CK2125R22M-T	0.22	0.16	400				
963	CK2125R33M-T	0.33	0.21	400				
963	CK2125R47M-T	0.47	0.25	400				
963	CK2125R68M-T	0.68	0.35	300				
963	CK2125R10M-T	1	0.19	220				
963	CKS2125R10M-T	1	0.09	280				
963	CK2125R15M-T	1.5	0.23	170				
963	CK2125R22M-T	2.2	0.26	150				
963	CKS2125R22M-T	2.2	0.15	170				
963	CK2125R33M-T	3.3	0.38	130				
963	CK2125R47M-T	4.7	0.44	120				
963	CKS2125R47M-T	4.7	0.25	130				
963	CK2125R8M-T	6.8	0.39	70				
963	CK2125I00M-T	10	0.55	60				
963	CKS2125I00M-T	10	0.4	110				



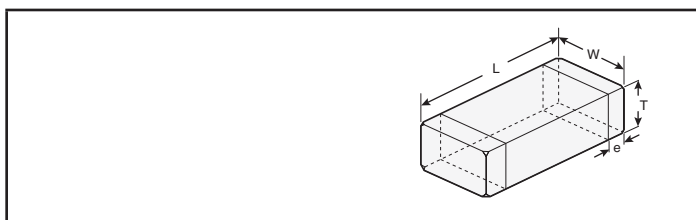
BK SERIES P TYPE CHIP BEAD INDUCTOR FOR POWER LINES

- Features:**
- Low Rdc value can lower the power consumption and extend the life of batteries. That stands on the high advanced green sheet and printing technologies
 - No need for grounding provides greater circuit design flexibility

- Applications:**
- High frequency noise debug on the DC power supply line in personal computers and other information system products

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Impedance (Ω)	DCR (Ω max)	Current (A) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
0201								
963	BKP0603HS220-T	22	65	1				
963	BKP0603HS330-T	33	70	1				
0402								
963	BKP1005HS100-T	10	30	2				
963	BKP1005HS330-T	33	50	1.7				
963	BKP1005HS680-T	120	75	1.5				
963	BKP1005HM121-T	220	120	1.1				
963	BKP1005HM221-T	68	180	0.9				
0403								
963	BKP1608HS330-T	33	25	3				
963	BKP1608HS101-T	100	50	1.7				
963	BKP1608HS121-T	120	35	2.7				
963	BKP1608HS181-T	180	75	1.5				
963	BKP1608HS271-T	270	110	1.2				
0805								
963	BKP2125HS330-T	33	20	4				
963	BKP2125HS101-T	100	40	2.5				
963	BKP2125HS221-T	220	50	2				
963	BKP2125HS331-T	330	75	1.5				



CK SERIES P TYPE CHIP POWER INDUCTORS


- Features:**
- Low profile below 1.2mm
 - Low Rdc
 - Multilayer block structure yields higher reliability

- Applications:**
- DC/DC converter for mobile equipment, cellular phones, DSC, DVC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω typ.)	Current (A) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
0805								
963	CKP2012NR47M-T	0.47	0.06	1.2				
963	CKP2012N1R0M-T	1	0.11	1				
963	CKP2012N1R5M-T	1.5	0.15	0.8				
963	CKP2012N2R2M-T	2.2	0.15	0.8				
963	CKP2012N3R3M-T	3.3	0.2	0.7				
963	CKP2012N4R7M-T	4.7	0.23	0.7				
0806								
963	CKP2016R47M-T	0.47	0.06	1.6				
963	CKP2016R10M-T	1	0.09	1.3				
963	CKP2016R15M-T	1.5	0.1	1.2				
963	CKP2016R22M-T	2.2	0.11	1.2				
963	CKP2016R33M-T	3.3	0.13	1.1				
963	CKP2016R47M-T	4.7	0.16	0.9				
1008								
963	CKP2520R47M-T	0.47	0.04	1.8				
963	CKP2520R10M-T	1	0.065	1.4				
963	CKP2520N1R0M-T	1	0.09	1.2				
963	CKP2520V1R0M-T	1	0.09	1.2				
963	CKP2520R15M-T	1.5	0.075	1.3				
963	CKP2520M1R5M-T	1.5	0.075	1.3				
963	CKP2520R22M-T	2.2	0.075	1.3				
963	CKP2520M2R2M-T	2.2	0.08	1.2				
963	CKP2520V2R2M-T	2.2	0.12	1.1				
963	CKP2520N2R2M-T	2.2	0.09	1.2				
963	CKP2520R33M-T	3.3	0.09	1.2				
963	CKP2520V3R3M-T	3.3	0.11	1.1				
963	CKP2520R47M-T	4.7	0.12	1.1				
963	CKP2520N4R7M-T	4.7	0.14	1.1				
963	CKP2520V4R7M-T	4.7	0.14	1.1				

TAIYO YUDEN Multilayer Chip Inductors TAIYO YUDEN

 This product is RoHS compliant.

Type	Dimensions: mm (in.)			
	L	W	T	e
HK0603 (0201)	0.6±0.03 (0.024±0.001)	0.3±0.03 (0.012±0.001)	0.3±0.03 (0.012±0.001)	0.15±0.05 (0.006±0.002)
HK1005 (0402)	1.0±0.05 (0.039±0.002)	0.5±0.05 (0.020±0.002)	0.5±0.05 (0.020±0.002)	0.25±0.10 (0.010±0.004)
HK1608 (0603)	1.6±0.15 (0.063±0.006)	0.8±0.15 (0.031±0.006)	0.8±0.15 (0.031±0.006)	0.3±0.2 (0.012±0.008)
HKQ0603S (0201)	0.6±0.03 (0.024±0.001)	0.3±0.03 (0.012±0.001)	0.3±0.03 (0.012±0.001)	0.1±0.05 (0.004±0.002)

HK SERIES FOR HIGH FREQUENCY APPLICATIONS

Common Features:

- Multilayer inductor made of advanced ceramics with low-resistivity silver used as internal conductors provides excellent Q and SRF characteristics
- Multilayer block structure ensures outstanding reliability, high productivity and product quality

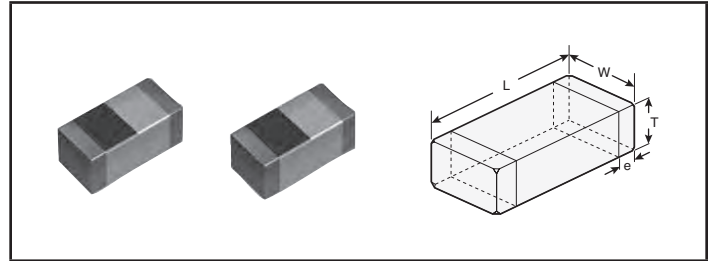
Common Applications:

- Portable telephones, PHS and W-LAN
- Miscellaneous high-frequency circuits
- EMI countermeasure in high-frequency circuits

For additional sizes and values, visit mouser.com

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance (nH)	DCR (Ω max)	Current (mA) max.	Price Each			
				1	50	100	500
0201							
963—HK060310NJ-T	10	0.51	220				
963—HK060312NJ-T	12	0.68	190				
963—HK060315NJ-T	15	0.71	180				
963—HK060318NJ-T	18	0.81	170				
963—HK06031N0S-T	1	0.11	470				
963—HK06031N2S-T	1.2	0.12	450				
963—HK06031N5S-T	1.5	0.13	430				
963—HK06031N8S-T	1.8	0.16	390				
963—HK060322NJ-T	22	1	150				
963—HK060327NJ-T	27	1.35	120				
963—HK06032N0S-T	2	0.17	380				
963—HK06032N2S-T	2.2	0.19	360				
963—HK06032N4S-T	2.4	0.2	350				
963—HK06032N7S-T	2.7	0.21	340				
963—HK060333NJ-T	33	1.47	110				
0402							
963—HK100510NJ-T	10	0.23	300				
963—HK100512NJ-T	12	0.28	300				
963—HK100515NJ-T	15	0.31	300				
963—HK100518NJ-T	18	0.35	300				
963—HK10051N0S-T	1	0.04	300				
963—HK10051N2S-T	1.2	0.04	300				
963—HK10051N5S-T	1.5	0.05	300				
963—HK10051N8S-T	1.8	0.06	300				
963—HK100522NJ-T	22	0.42	300				
963—HK100527NJ-T	27	0.47	300				
963—HK10052N0S-T	2	0.06	300				
963—HK10052N2S-T	2.2	0.07	300				
963—HK10052N4S-T	2.4	0.07	300				
963—HK10052N7S-T	2.7	0.08	300				
963—HK100533NJ-T	33	0.5	200				
0603							
963—HK160810NJ-T	10	0.16	300				
963—HK160812NJ-T	12	0.17	300				
963—HK160815NJ-T	15	0.2	300				
963—HK160818NJ-T	18	0.21	300				
963—HK16081N0S-T	1	0.015	300				
963—HK16081N2S-T	1.2	0.015	300				
963—HK16081N5S-T	1.5	0.03	300				
963—HK16081N8S-T	1.8	0.06	300				
963—HK160822NJ-T	22	0.25	300				



MOUSER STOCK NO.	Inductance (nH)	DCR (Ω max)	Current (mA) max.	Price Each			
				1	50	100	500
0603 (Cont.)							
963—HK160827NJ-T	27	0.28	300				
963—HK16082N2S-T	2.2	0.06	300				
963—HK16082N7S-T	2.7	0.06	300				
963—HK160833NJ-T	33	0.35	300				
963—HK160839NJ-T	39	0.38	300				
963—HK16083N3S-T	3.3	0.06	300				

HK SERIES Q TYPE HIGH Q FOR HIGH FREQUENCY APPLICATIONS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance (nH)	DCR (Ω max)	Current (mA) max.	Price Each			
				1	50	100	500
0201							
963—HKQ0603S0N6C-T	0.6	0.06	600				
963—HKQ0603S0N7C-T	0.7	0.07	500				
963—HKQ0603S0N8C-T	0.8	0.07	550				
963—HKQ0603S0N9C-T	0.9	0.08	520				
963—HKQ0603S10NH-T	10	0.85	160				
963—HKQ0603S12NH-T	12	0.85	160				
963—HKQ0603S15NH-T	15	0.89	150				
963—HKQ0603S18NH-T	18	1.05	140				
963—HKQ0603S1N0C-T	1	0.09	490				
963—HKQ0603S1N1C-T	1.1	0.12	420				
963—HKQ0603S1N2C-T	1.2	0.015	380				
963—HKQ0603S1N3C-T	1.3	0.19	330				
963—HKQ0603S1N4C-T	1.4	0.11	440				
963—HKQ0603S1N5C-T	1.5	0.12	420				
963—HKQ0603S1N6C-T	1.6	0.13	410				
963—HKQ0603S1N7C-T	1.7	0.15	380				
963—HKQ0603S1N8C-T	1.8	0.16	370				
963—HKQ0603S1N9C-T	1.9	0.2	330				
963—HKQ0603S22NH-T	22	1.29	130				
963—HKQ0603S2N0C-T	2	0.24	300				
963—HKQ0603S2N1C-T	2.1	0.26	290				
963—HKQ0603S2N2C-T	2.2	0.28	270				
963—HKQ0603S2N3C-T	2.3	0.3	270				
963—HKQ0603S2N4C-T	2.4	0.32	260				
963—HKQ0603S2N5C-T	2.5	0.2	330				
963—HKQ0603S2N6C-T	2.6	0.22	310				
963—HKQ0603S2N7C-T	2.7	0.24	300				
963—HKQ0603S2N8C-T	2.8	0.25	290				
963—HKQ0603S2N9C-T	2.9	0.28	270				
963—HKQ0603S3N0C-T	3	0.28	270				

Type	Dimensions: mm (in.)			
	L	W	T	e
LK1608 (0603)	1.6±0.15 (0.063±0.006)	0.8±0.15 (0.031±0.006)	0.8±0.15 (0.031±0.006)	0.3±0.2 (0.012±0.008)

LK SERIES

Features:

- Internal printed coil structure creates a closed magnetic circuit which acts as a magnetic shield eliminating crosswalk, thus permitting higher mounting densities
- Multilayer block structure yields higher reliability

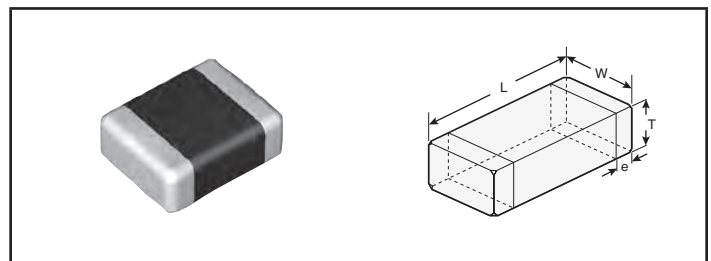
Applications:

- Any general circuit of portable equipment in which compact size and high mounting densities are required

For additional sizes and values, visit mouser.com

For quantities greater than listed, call for quote.

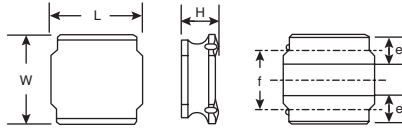
MOUSER STOCK NO.	Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
				1	50	100	500
0603							
963—LK1608R10K-T	0.10	0.35	150				
963—LK1608R12K-T	0.12	0.4	150				
963—LK1608R15K-T	0.15	0.45	150				
963—LK1608R18K-T	0.18	0.5	100				
963—LK1608R22K-T	0.22	0.55	100				
963—LK1608R27K-T	0.27	0.8	100				
963—LK1608R33K-T	0.33	0.75	80				
963—LK1608R39K-T	0.39	0.85	80				
963—LK1608R47K-T	0.47	0.95	80				
963—LK1608R56K-T	0.56	1.05	80				
963—LK1608R68K-T	0.68	1.25	40				
963—LK1608R82K-T	0.82	1.4	40				
963—LK1608R1R2K-T	1.2	0.65	40				
963—LK1608R1R5K-T	1.5	0.7	40				
963—LK1608R1R8K-T	1.8	0.95	40				
963—LK1608100K-T	10	1.7	10				
963—LK1608120K-T	12	1.8	10				
963—LK1608150M-T	15	1.5	1				



MOUSER STOCK NO.	Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
				1	50	100	500
0603 (Cont.)							
963—LK1608180M-T	18	1.6	1				
963—LK16081R0K-T	1	0.6	40				
963—LK16082R2K-T	2.2	1	30				
963—LK16082R2M-T	2.2	1	30				
963—LK16082R7K-T	2.7	1.15	30				
963—LK16082R7M-T	2.7	1.15	30				
963—LK1608220M-T	22	1.7	1				
963—LK1608270M-T	27	1.8	1				
963—LK16083R3K-T	3.3	1.3	30				
963—LK16083R9K-T	3.9	1.5	30				
963—LK1608330M-T	33	2.2	1				
963—LK16084R7K-T	4.7	1.6	30				
963—LK160847NM-T	47	0.2	150				
963—LK16085R6K-T	5.6	1.1	10				
963—LK16086R8K-T	6.8	1.3	10				
963—LK160868NM-T	68	0.3	150				
963—LK16088R2K-T	8.2	1.5	10				
963—LK160882NM-T	82	0.3	150				

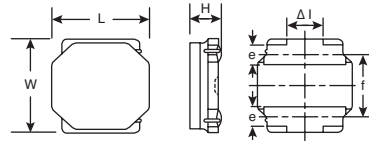
TAIYO YUDEN Shielded SMD Power Inductors TAIYO YUDEN

RoHS compliant This product is RoHS compliant.



DIMENSIONS: mm (in.)

Type	L	W	H	e	f
NRH2410	2.4±0.1 (0.095±0.004)	2.4±0.1 (0.095±0.004)	1.0 max (0.039 max)	0.6±0.2 (0.024±0.008)	1.45±0.2 (0.057±0.008)
NR3010	3.0±0.1 (0.118±0.004)	3.0±0.1 (0.118±0.004)	1.0 max (0.039 max)	0.9±0.2 (0.035±0.008)	1.9±0.2 (0.075±0.008)
NRH3010			1.2 max (0.047 max)		
NR3012			1.5 max (0.059 max)		
NRH3012			1.0 max (0.039 max)		
NR4010	4.0±0.2 (0.157±0.008)	4.0±0.2 (0.157±0.008)	1.2 max (0.047 max)	1.1±0.2 (0.043±0.008)	2.5±0.2 (0.098±0.008)
NR4012			1.8 max (0.071 max)		
NR4018			¹⁾ 4.2 max (0.165 max)		
NR8040			²⁾ 4.0 max (0.157 max)		



DIMENSIONS: mm (in.)

Type	L	W	H	e	f	ΔI
NR 5040	4.9±0.2 (0.193±0.008)	4.9±0.2 (0.193±0.008)	³⁾ 4.1 max (0.161 max) ⁴⁾ 4.0 max (0.157 max)	1.2±0.2 (0.047±0.008)	3.3±0.2 (0.130±0.008)	1.3typ (0.051typ)
NR 6012	6.0±0.2 (0.236±0.008)	6.0±0.2 (0.236±0.008)	1.2 max (0.047 max)	1.35±0.2 (0.053±0.008)	4.0±0.2 (0.157±0.008)	2.3typ (0.091typ)
NR 6020			2.0 max (0.079 max)			
NR 6028			2.8 max (0.110 max)			
NR 6045			4.5 max (0.177 max)			

NR SERIES / NR SERIES H TYPE

Features:

- Small and Low Profile inductor
- Corresponds to High current.
- Simple and original magnetic shield structure.
- Durable structure against dropping impact.

Applications:

- For small DC/DC converter

*:For additional values and sizes, visit mouser.com

NR SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (uH)	DCR (Ω)	Self-resonant Freq. (MHz) min.	Price Each			
Mfr.	Mfr. Part No.					1	50	100	500
NR3010									
963	—NR3010T1R0N	A	1	0.065	126				
963	—NR3010T1R5N	A	1.5	0.080	98				
963	—NR3010T2R2M	A	2.2	0.095	82				
963	—NR3010T100M	A	10	0.450	35				
963	—NR3010T150M	A	15	0.740	30				
963	—NR3010T220M	A	22	1.03	25				
NR3012									
963	—NR3012T1R0N	A	1	0.050	110				
963	—NR3012T1R5N	A	1.5	0.060	92				
963	—NR3012T2R2M	A	2.2	0.080	70				
963	—NR3012T100M	A	10	0.290	32				
963	—NR3012T150M	A	15	0.450	27				
963	—NR3012T220M	A	22	0.630	22				
NR3015									
963	—NR3015T1R0N	A	1	0.030	100				
963	—NR3015T1R5N	A	1.5	0.040	87				
963	—NR3015T2R2M	A	2.2	0.060	64				
963	—NR3015T100M	A	10	0.230	28				
963	—NR3015T150M	A	15	0.360	23				
963	—NR3015T220M	A	22	0.520	20				
NR4010									
963	—NR4010T1R0N	A	1	0.100	116				
963	—NR4010T2R2M	A	2.2	0.150	73				
963	—NR4010T100M	A	10	0.380	31				
963	—NR4010T150M	A	15	0.510	24				
963	—NR4010T220M	A	22	0.870	19				
963	—NR4010T330M	A	33	1.54	15				
NR4012									
963	—NR4012T1R0N	A	1	0.060	131				
963	—NR4012T2R2M	A	2.2	0.090	66				
963	—NR4012T100M	A	10	0.240	28				
963	—NR4012T150M	A	15	0.400	23				
963	—NR4012T220M	A	22	0.480	18				
963	—NR4012T330M	A	33	0.810	15				
NR4018									
963	—NR4018T1R0N	A	1	0.030	80				
963	—NR4018T100M	A	10	0.180	24				
963	—NR4018T150M	A	15	0.250	19				
963	—NR4018T220M	A	22	0.360	16				
963	—NR4018T101M	A	100	1.50	6.5				
963	—NR4018T151M	A	150	2.50	5.5				
NR5040									
963	—NR5040T1R5N	B	1.5	0.020	60				
963	—NR5040T2R2N	B	2.2	0.022	42				
963	—NR5040T100M	B	10	0.056	18				
963	—NR5040T150M	B	15	0.080	13				
963	—NR5040T220M	B	22	0.126	9				
963	—NR5040T330M	B	33	0.180	7				

NR SERIES (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (uH)	DCR (Ω)	Self-resonant Freq. (MHz) min.	Price Each			
Mfr.	Mfr. Part No.					1	50	100	500
NR6012									
963	—NR6012T2R5NE	B	2.5	0.090	45				
963	—NR6012T100ME	B	10	0.235	22				
963	—NR6012T150ME	B	15	0.330	18				
963	—NR6012T220ME	B	22	0.530	12				
963	—NR6012T330ME	B	33	0.700	8				
963	—NR6012T101ME	B	100	2.18	1				
NR6020									
963	—NR6020T0R8N	B	0.8	0.020	110				
963	—NR6020T1R5N	B	1.5	0.060	93				
963	—NR6020T2R2N	B	2.2	0.034	73				
963	—NR6020T3R3N	B	3.3	0.040	55				
963	—NR6020T100M	B	10	0.125	18				
963	—NR6020T220M	B	22	0.290	11				
NR6028									
963	—NR6028T0R9N	B	0.9	0.013	90				
963	—NR6028T1R5N	B	1.5	0.016	78				
963	—NR6028T100M	B	10	0.065	20				
963	—NR6028T150M	B	15	0.095	17				
963	—NR6028T220M	B	22	0.135	12				
963	—NR6028T101M	B	100	0.600	3				
NR6045									
963	—NR6045T1R0N	B	1	0.014	110				
963	—NR6045T1R3N	B	1.3	0.016	95				
963	—NR6045T1R8N	B	1.8	0.018	80				
963	—NR6045T100M	B	10	0.047	12				
963	—NR6045T150M	B	15	0.077	10				
963	—NR6045T101M	B	100	0.500	3				
NR8040									
963	—NR8040T0R9N	A	0.9	0.006	85				
963	—NR8040T1R4N	A	1.4	0.007	63				
963	—NR8040T100M	A	10	0.034	22				
963	—NR8040T150M	A	15	0.050	16				
963	—NR8040T220M	A	22	0.066	13				
963	—NR8040T101M	A	100	0.290	6				

NR SERIES H TYPE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (uH)	DCR (Ω)	Self-resonant Freq. (MHz) min.	Price Each			
Mfr.	Mfr. Part No.					1	50	100	500
NRH2410									
963	—NRH2410T1R0NN4	A	1	0.070	106				
963	—NRH2410T1R5MN	A	1.5	0.110	94				
963	—NRH2410T2R2MN	A	2.2	0.150	77				
963	—NRH2410T100MN	A	10	0.690	32				
963	—NRH2410T150MN	A	15	1.02	27				
963	—NRH2410T220MN	A	22	1.47	22				
NRH3010									
963	—NRH3010T1R2NN	A	1.2	0.065	120				
963	—NRH3010T1R5NN	A	1.5	0.075	99				
963	—NRH3010T2R2MN	A	2.2	0.083	86				
963	—NRH3010T100MN	A	10	0.350	34				
963	—NRH3010T150MN	A	15	0.550	25				
963	—NRH3010T220MN	A	22	0.770	22				
NRH3012									
963	—NRH3012T1R0NN	A	1	0.048	111				
963	—NRH3012T1R5NN	A	1.5	0.055	95				
963	—NRH3012T2R2MN	A	2.2	0.075	78				
963	—NRH3012T100MN	A	10	0.270	32				
963	—NRH3012T150MN	A	15	0.450	26				
963	—NRH3012T220MN	A	22	0.063	22				

TAIYO YUDEN Shielded SMD Power Inductors TAIYO YUDEN

RoHS Compliant This product is RoHS compliant.

NEW SUPPLIER

Inductors

Taiyo Yuden

NEW SUPPLIER

NEW SUPPLIER

A

DIMENSIONS: mm (in.)

Type	L	W	H	e	f
NRS4010	4.0±0.2 (0.157±0.008)	4.0±0.2 (0.157±0.008)	1.0 max (0.039 max)	1.1±0.2 (0.043±0.008)	2.5±0.2 (0.098±0.008)
NRS4012			1.2 max (0.047 max)		
NRS4018			1.8 max (0.071 max)		
NRS8030	8.0±0.2 (0.315±0.008)	8.0±0.2 (0.315±0.008)	3.0 max (0.118 max)	1.60±0.3 (0.063±0.012)	5.6±0.3 (0.22±0.012)
NRS8040			⁽¹⁾ 4.2 max (0.165 max)		
			⁽²⁾ 4.0 max (0.157 max)		

B

DIMENSIONS: mm (in.)

Type	L	W	H	e	f	Δl
NRS5012	4.9±0.2 (0.193±0.008)	4.9±0.2 (0.193±0.008)	1.2 max (0.047 max)	1.2±0.2 (0.047±0.008)	3.3±0.2 (0.130±0.008)	1.3typ (0.051typ)
NRS5014			1.4 max (0.005 max)			
NRS5020			2.0 max (0.079 max)			
NRS6010	6.0±0.2 (0.236±0.008)	6.0±0.2 (0.236±0.008)	1.0 max (0.039 max)	1.35±0.2 (0.053±0.008)	4.0±0.2 (0.157±0.008)	2.3typ (0.091typ)
NRS6012			1.2 max (0.047 max)			
NRS6020			2.0 max (0.079 max)			
NRS6028	6.0±0.2 (0.236±0.008)	6.0±0.2 (0.236±0.008)	2.8 max (0.110 max)	1.35±0.2 (0.053±0.008)	4.0±0.2 (0.157±0.008)	2.3typ (0.091typ)
NRS6045			4.5 max (0.177 max)			

NR SERIES S TYPE

Features:

- Small and Low Profile inductor
- Corresponds to High current.
- Simple and original magnetic shield structure.
- Durable structure against dropping impact.

Applications:

- For small DC/DC converter

※:For additional values and sizes, visit mouser.com

NR SERIES S TYPE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (uH)	DCR (Ω)	Self-resonant Freq. (MHz) min.	Price Each			
Mfr.	Mfr. Part No.					1	50	100	500
NRS4010									
963	NRS4010T1R0NDGG	A	1	0.056	116				
963	NRS4010T2R2MDGG	A	2.2	0.085	73				
963	NRS4010T3R3MDGG	A	3.3	0.100	58				
963	NRS4010T100MDGG	A	10	0.300	31				
963	NRS4010T150MDGG	A	15	0.430	24				
963	NRS4010T220MDGG	A	22	0.570	19				
NRS4012									
963	NRS4012T1R0NDGG	A	1	0.042	100				
963	NRS4012T2R2MDGJ	A	2.2	0.060	70				
963	NRS4012T3R3MDGJ	A	3.3	0.070	60				
963	NRS4012T100MDGJ	A	10	0.170	30				
963	NRS4012T150MDGJ	A	15	0.260	24				
963	NRS4012T220MDGJ	A	22	0.400	18				
NRS4018									
963	NRS4018T1R0NDGJ	A	1	0.027	90				
963	NRS4018T2R2MDGJ	A	2.2	0.042	60				
963	NRS4018T100MDGJ	A	10	0.150	25				
963	NRS4018T150MDGJ	A	15	0.210	18				
963	NRS4018T220MDGJ	A	22	0.290	15				
963	NRS4018T330MDGJ	A	33	0.460	12				
NRS5012									
963	NRS5012T1R0NMGF	B	1	0.053	100				
963	NRS5012T1R5NMGF	B	1.5	0.070	86				
963	NRS5012T2R2MMGF	B	2.2	0.085	70				
963	NRS5012T3R3MMGF	B	3.3	0.160	48				
963	NRS5012T100MMGF	B	10	0.420	26				
963	NRS5012T150MMGF	B	15	0.670	22				
NRS5014									
963	NRS5014T1R2NMGG	B	1.2	0.045	86				
963	NRS5014T2R2NMGG	B	2.2	0.065	56				
963	NRS5014T3R3NMGG	B	3.3	0.080	48				
963	NRS5014T4R7NMGG	B	4.7	0.100	41				
963	NRS5014T6R8MMGG	B	6.8	0.150	33				
963	NRS5014T100MMGG	B	10	0.200	27				
NRS5020									
963	NRS5020T1R0NMGG	B	1	0.021	81				
963	NRS5020T1R5NMGG	B	1.5	0.026	68				
963	NRS5020T2R2NMGG	B	2.2	0.035	57				
963	NRS5020T100MMGG	B	10	0.120	24				
963	NRS5020T150MMGG	B	15	0.165	20				
963	NRS5020T220MMGG	B	22	0.260	17				
NRS6010									
963	NRS6010T1R5MMGF	B	1.5	0.090	77				
963	NRS6010T2R2MMGF	B	2.2	0.110	56				
963	NRS6010T3R3MMGF	B	3.3	0.135	42				

NR SERIES S TYPE (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (uH)	DCR (Ω)	Self-resonant Freq. (MHz) min.	Price Each			
Mfr.	Mfr. Part No.					1	50	100	500
NRS6010 (Cont.)									
963	NRS6010T4R7MMGF	B	4.7	0.165	36				
963	NRS6010T100MMGF	B	10	0.270	25				
963	NRS6010T220MMGF	B	220	0.580	12				
NRS6012									
963	NRS6012T2R5NMGG	B	2.5	0.090	45				
963	NRS6012T100MMGJ	B	10	0.200	22				
963	NRS6012T150MMGJ	B	15	0.295	18				
963	NRS6012T220MMGJ	B	22	0.465	12				
963	NRS6012T330MMGJ	B	33	0.580	8				
963	NRS6012T101MMGJ	B	100	1.670	1				
NRS6020									
963	NRS6020T0R8NMGG	B	0.8	0.020	110				
963	NRS6020T1R5NMGG	B	1.5	0.026	93				
963	NRS6020T2R2NMGG	B	2.2	0.034	73				
963	NRS6020T3R3NMGG	B	3.3	0.040	55				
963	NRS6020T100MMGG	B	10	0.125	18				
963	NRS6020T220MMGG	B	22	0.290	11				
NRS6028									
963	NRS6028T0R9NMGG	B	0.9	0.013	90				
963	NRS6028T1R5NMGG	B	1.5	0.016	78				
963	NRS6028T100MMGK	B	10	0.065	20				
963	NRS6028T150MMGJ	B	15	0.095	17				
963	NRS6028T220MMGJ	B	22	0.135	12				
963	NRS6028T101MMGJ	B	100	0.600	3				
NRS6045									
963	NRS6045T1R0NMGG	B	1	0.014	110				
963	NRS6045T1R3NMGG	B	1.3	0.016	95				
963	NRS6045T1R8NMGG	B	1.8	0.019	80				
963	NRS6045T100MMGG	B	10	0.046	12				
963	NRS6045T150MMGG	B	15	0.070	10				
963	NRS6045T101MMGG	B	100	0.466	3				
NRS8030									
963	NRS8030T1R0NJGJ	A	1	0.009	120				
963	NRS8030T1R5NJGJ	A	1.5	0.012	80				
963	NRS8030T2R2NJGJ	A	2.2	0.015	60				
963	NRS8030T100NJGJ	A	10	0.033	27				
963	NRS8030T150NJGJ	A	15	0.060	20				
963	NRS8030T220MJGJ	A	22	0.070	16				
NRS8040									
963	NRS8040T0R9NJGJ	A	0.9	0.006	85				
963	NRS8040T1R4NJGJ	A	1.4	0.007	63				
963	NRS8040T2R0NJGJ	A	2	0.009	50				
963	NRS8040T100MJGJ	A	10	0.034	22				
963	NRS8040T150MJGJ	A	15	0.050	16				
963	NRS8040T220MJGJ	A	22	0.066	13				

RoHS Compliant **This product is RoHS compliant.**

NEW SUPPLIER

Inductors

Taiyo Yuden

NEW SUPPLIER

NEW SUPPLIER

DIMENSIONS: mm (in.)

Type	L	W	H	a	b
NR 10050	10.0±0.3 (0.394±0.012)	9.8±0.5 (0.386±0.020)	5.0 max (0.197 max)	4.0 (0.16)	1.75 (0.07)

DIMENSIONS: mm (in.)

Type	L	W	H	a	b
NS10145	10.1±0.3 (0.398±0.012)	10.1±0.3 (0.398±0.012)	4.5±0.35 (0.177±0.014)	2.8±0.1 (0.110±0.004)	2.0±0.15 (0.079±0.006)
NS10155	10.1±0.3 (0.398±0.012)	10.1±0.3 (0.398±0.012)	5.5±0.35 (0.217±0.014)	2.8±0.1 (0.110±0.004)	2.0±0.15 (0.079±0.006)
NS10165	10.1±0.3 (0.398±0.012)	10.1±0.3 (0.398±0.012)	6.5±0.35 (0.256±0.014)	2.8±0.1 (0.110±0.004)	2.0±0.15 (0.079±0.006)
NS12555	12.5±0.3 (0.492±0.012)	12.5±0.3 (0.492±0.012)	5.5±0.35 (0.217±0.014)	3.0±0.1 (0.118±0.004)	2.0±0.15 (0.079±0.006)
NS12565	12.5±0.3 (0.492±0.012)	12.5±0.3 (0.492±0.012)	6.5±0.35 (0.256±0.014)	3.0±0.1 (0.118±0.004)	2.0±0.15 (0.079±0.006)
NS12575	12.5±0.3 (0.492±0.012)	12.5±0.3 (0.492±0.012)	7.5±0.35 (0.295±0.014)	3.0±0.1 (0.118±0.004)	2.0±0.15 (0.079±0.006)

NR SERIES HIGH CURRENT WOUND SMD POWER INDUCTORS

Features:

- Simple and original magnetic shield structure.

Applications:

- Power supply circuits / DC-DC converters in a variety of applications such as PDP TV, LCD TV, HDD, PC.

* For additional values and sizes, visit mouser.com

MOUSER STOCK NO.		Fig.	Inductance (uH)	DCR (Ω)	Self-resonant Freq. (MHz) min.	Price Each			
Mfr.	Mfr. Part No.					1	50	100	500
963	—NR10050T1R3N	A	1.3	0.0068	53				
963	—NR10050T100M	A	10	0.025	15				
963	—NR10050T150M	A	15	0.035	11				
963	—NR10050T220M	A	22	0.045	10				
963	—NR10050T101M	A	100	0.209	4.6				
963	—NR10050T221M	A	220	0.450	3.0				

NS SERIES SMD HIGH CURRENT POWER INDUCTORS

Features:

- Low Rdc and high current
- Magnetic shield structure

Applications:

- Power supply circuits / DC-DC converters in a variety of applications such as PDP TV, LCD TV, HDD, PC.

* For additional values and sizes, visit mouser.com

MOUSER STOCK NO.		Fig.	Inductance (uH)	DCR (Ω)	Self-resonant Freq. (MHz) min.	Price Each			
Mfr.	Mfr. Part No.					1	50	100	500
NS10145									
963	—NS10145T100MNA	B	10	0.0248	21.6				
963	—NS10145T150MNA	B	15	0.0381	19.0				
963	—NS10145T101MNA	B	100	0.200	6.0				
963	—NS10145T151MNA	B	150	0.341	4.7				
963	—NS10145T102MNA	B	1000	2.58	1.7				
963	—NS10145T152MNA	B	1500	3.70	1.5				
NS10155									
963	—NS10155T1R5NNA	B	1.5	0.0060	75.5				
963	—NS10155T2R2NNA	B	2.2	0.0072	55.6				
963	—NS10155T3R3NNA	B	3.3	0.0097	40.6				

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visit mouser.com

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NS SERIES SMD HIGH CURRENT POWER INDUCTORS (CONT.)

Features:

- Low Rdc and high current
- Magnetic shield structure

Applications:

- Power supply circuits / DC-DC converters in a variety of applications such as PDP TV, LCD TV, HDD, PC.

* For additional values and sizes, visit mouser.com

MOUSER STOCK NO.		Fig.	Inductance (uH)	DCR (Ω)	Self-resonant Freq. (MHz) min.	Price Each			
Mfr.	Mfr. Part No.					1	50	100	500
NS10155 (Cont.)									
963	—NS10155T100MNA	B	10	0.0200	20.2				
963	—NS10155T150MNA	B	15	0.0284	15.5				
963	—NS10155T220MNA	B	22	0.0380	11.3				
NS10165									
963	—NS10165T1R5NNA	B	1.5	0.0062	85.4				
963	—NS10165T2R2NNA	B	2.2	0.0074	63.0				
963	—NS10165T3R3NNA	B	3.3	0.0086	42.0				
963	—NS10165T100MNA	B	10	0.0174	16.6				
963	—NS10165T150MNA	B	15	0.0250	13.2				
963	—NS10165T220MNA	B	22	0.0313	10.6				
NS12555									
963	—NS12555T100MN	B	10	0.0175	21.8				
963	—NS12555T150MN	B	15	0.0233	16.6				
963	—NS12555T101MN	B	100	0.117	6.7				
963	—NS12555T151MN	B	150	0.176	5.1				
963	—NS12555T102MN	B	1000	1.12	2.0				
963	—NS12555T152MN	B	1500	1.73	1.7				
NS12565									
963	—NS12565T100MN	B	10	0.0199	15.8				
963	—NS12565T150MN	B	15	0.0237	14.4				
963	—NS12565T220MN	B	22	0.0310	12.5				
963	—NS12565T101MN	B	100	0.123	5.5				
963	—NS12565T151MN	B	150	0.173	4.8				
963	—NS12565T221MN	B	220	0.273	3.6				
NS12575									
963	—NS12575T1R2NN	B	1.2	0.0058	101.7				
963	—NS12575T100MN	B	10	0.0156	21.5				
963	—NS12575T150MN	B	15	0.0184	14.0				
963	—NS12575T101MN	B	100	0.110	3.9				
963	—NS12575T151MN	B	150	0.161	3.4				
963	—NS12575T102MN	B	1000	0.927	1.4				

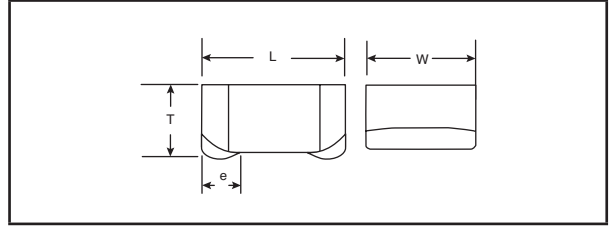
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TAIYO YUDEN Wire-Wound Chip Power Inductors TAIYO YUDEN

 This product is RoHS compliant.

Type	Dimensions: mm (in.)			
	L	W	T	e
BR L1608	1.6±0.2	0.8±0.2	0.7 max.	0.45±0.15
BR C1608	1.6±0.2	0.8±0.2	0.8±0.2	0.45±0.15
BR L2012	2.0±0.2	1.25±0.2	1.0 max.	0.5±0.2
BR C2012	2.0±0.2	1.25±0.2	1.4 max.	0.5±0.2
BR C2016	2.5±0.2	1.6±0.2	1.6±0.2	0.5±0.2
BR L2515	2.5±0.2	1.5±0.2	1.2 max.	0.5±0.2

Type	Dimensions: mm (in.)			
	L	W	T	e
BRFL2518	2.5±0.2	1.8±0.2	1.00 max.	0.5±0.2
BR L2518	2.5±0.2	1.8±0.2	1.2 max.	0.5±0.2
BRHL2518	2.5±0.2	1.8±0.2	1.5 max.	0.5±0.2
BR C2518	2.5±0.2	1.8±0.2	1.8±0.2	0.5±0.2
BR L3225	3.2±0.2	2.5±0.2	1.7 max.	0.75±0.2



BR SERIES

For additional sizes and values, visit mouser.com

C Type High Current

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
1608 (0603)								
	963—BRC1608TR20M	0.20	0.06	1.75				
	963—BRC1608TR35M	0.35	0.08	1.4				
	963—BRC1608TR45M	0.45	0.09	1.25				
	963—BRC1608TR43M6	0.48	0.082	1400				
	963—BRC1608TR50M6	0.5	0.09	1200				
	963—BRC1608TR60M6	0.6	0.099	1100				
	963—BRC1608TR72M6	0.72	0.144	1000				
	963—BRC1608TR82M6	0.82	0.176	950				
	963—BRC1608T1R0M	1	0.18	850				
	963—BRC1608T1R0M6	1	0.188	890				
	963—BRC1608T1R5M	1.5	0.3	700				
	963—BRC1608T2R2M	2.2	0.55	550				
2012 (0805)								
	963—BRC2012T1R0M	1	0.06	1.5				
	963—BRC2012T1R5MD	1.5	0.09	1.2				
	963—BRC2012T2R2MD	2.2	0.11	1.1				
	963—BRC2012T3R3MD	3.3	0.17	800				
	963—BRC2012T4R7MD	4.7	0.265	700				
2016 (0806)								
	963—BRC2016T1R0M	1	0.085	1.35				
	963—BRC2016T1R5M	1.5	0.15	1.1				
	963—BRC2016T100K	10	0.4	450				
	963—BRC2016T150K	15	0.6	400				
	963—BRC2016T220K	22	1	310				
	963—BRC2016T101K	100	3.4	140				
2518 (1007)								
	963—BRC2518T1R0M	1	0.05	2.55				
	963—BRC2518T1R5M	1.5	0.08	2.1				
	963—BRC2518T100K	10	0.35	890				
	963—BRC2518T150K	15	0.43	760				
	963—BRC2518T220K	22	0.56	640				
	963—BRC2518T101K	100	3.6	300				

FL Type Low Profile

For quantities greater than listed, call for quote.

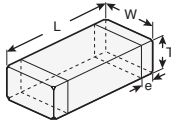
MOUSER STOCK NO.		Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
2518 (1007)								
	963—BRFL2518T1R0M	1	0.09	1.2				
	963—BRFL2518T1R5M	1.5	0.11	1.1				
	963—BRFL2518T2R2M	2.2	0.13	850				
	963—BRFL2518T3R3M	3.3	0.22	700				
	963—BRFL2518T4R7M	4.7	0.33	650				

CB SERIES

CB series are Wound Chip Inductors having wide line-up, which are suitable for any circuit designs.

- Features:**
- CBC series has large rated current
 - CBL series has low profile characteristic
 - CBMF series has a low loss characteristic

- Applications:**
- DSC, DVC, HDD, LCD-TV, mobile phones, PC, game equipment



Standard Type

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
2012 (0805)								
	963—CB2012T1R0M	1	0.15	500				
	963—CB2012T100K	10	0.7	190				
	963—CB2012T100KR	10	0.5	200				
	963—CB2012T150K	15	1.3	170				
	963—CB2012T220K	22	1.7	135				
	963—CB2012T101K	100	7	60				
2016 (0806)								
	963—CB2016T1R0M	1	0.09	600				
	963—CB2016T1R5M	1.5	0.11	550				
	963—CB2016T100K	10	0.5	250				
	963—CB2016T150K	15	0.7	210				
	963—CB2016T220K	22	1	165				
	963—CB2016T101K	100	4.5	70				
2518 (1007)								
	963—CB2518T1R0M	1	0.06	1.2				
	963—CB2518T100K	10	0.25	250				
	963—CB2518T150K	15	0.32	180				
	963—CB2518T151K	150	3.2	55				
	963—CB2518T101K	100	2.1	60				
	963—CB2518T102K	1000	24	25				

C Type High Current

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
2012 (0805)								
	963—CBC2012T1R0M	1	0.19	700				
	963—CBC2012T2R2M	2.2	0.33	530				
	963—CBC2012T4R7M	4.7	0.5	360				
	963—CBC2012T100K	10	1.2	240				
	963—CBC2012T220K	22	3.7	170				
	963—CBC2012T470K	47	5.8	120				
2518 (1007)								
	963—CBC2518T1R0M	1	0.08	1000				
	963—CBC2518T1R5M	1.5	0.11	950				

HL Type Low Profile

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
1608 (0603)								
	963—BRHL2518T1R0M	1	0.055	2				
	963—BRHL2518T1R5M	1.5	0.085	1.7				
	963—BRHL2518T2R2M	2.2	0.115	1.5				
	963—BRHL2518T3R3MD	3.3	0.165	1.2				
	963—BRHL2518T4R7MD	4.7	0.245	1.1				

L Type Low Profile

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
1608 (0603)								
	963—BRL1608T1R0M	1	0.23	510				
	963—BRL1608T1R5M	1.5	0.28	440				
	963—BRL1608T2R2M	2.2	0.4	360				
	963—BRL1608T3R3M	3.3	0.65	290				
	963—BRL1608T100M	10	2	170				
	963—BRL1608T150M	15	2.56	150				
2012 (0805)								
	963—BRL2012T1R0M	1	0.135	850				
	963—BRL2012T1R5M	1.5	0.18	700				
	963—BRL2012T100M	10	0.85	270				
	963—BRL2012T150M	15	1	220				
	963—BRL2012T220M	22	1.3	190				
	963—BRL2012T101M	100	7.7	85				
2515 (1006)								
	963—BRL2515T1R0M	1	0.07	1.5				
	963—BRL2515T1R5M	1.5	0.1	1.2				
	963—BRL2515T2R2M	2.2	0.135	1000				
	963—BRL2515T3R3MD	3.3	0.215	800				
	963—BRL2515T4R7MD	4.7	0.265	650				
2518 (1007)								
	963—BRL2518T1R0M	1	0.08	1.6				
	963—BRL2518T1R5M	1.5	0.1	1.2				
	963—BRL2518T2R2M	2.2	0.135	1000				
	963—BRL2518T3R3M	3.3	0.3	800				
	963—BRL2518T4R7M	4.7	0.4	700				
3225 (1210)								
	963—BRL3225T1R0M	1	0.043	2.4				
	963—BRL3225T1R5M	1.5	0.045	2.2				
	963—BRL3225T100K	10	0.35	900				
	963—BRL3225T150K	15	0.57	700				
	963—BRL3225T220K	22	0.69	550				
	963—BRL3225T101K	100	2.5	270				

Type	Dimensions: mm			
	L	W	T	e
CBMF1608	1.6±0.2	0.8±0.2	0.8±0.2	0.45±0.15
CBL2012	2.0±0.2	1.25±0.2	0.9±0.1	0.5±0.2
CB2012	2.0±0.2	1.25±0.2	1.25±0.2	0.5±0.2
CBC2012	2.0±0.2	1.25±0.2	1.25±0.2	0.5±0.2
CB2016	2.0±0.2	1.6±0.2	1.6±0.2	0.5±0.2
CB2518	2.5±0.2	1.8±0.2	1.8±0.2	0.5±0.2
CBC2518	2.5±0.2	1.8±0.2	1.8±0.2	0.5±0.2
CBC3225	3.2±0.2	2.5±0.2	2.5±0.2	0.6±0.3

C Type High Current

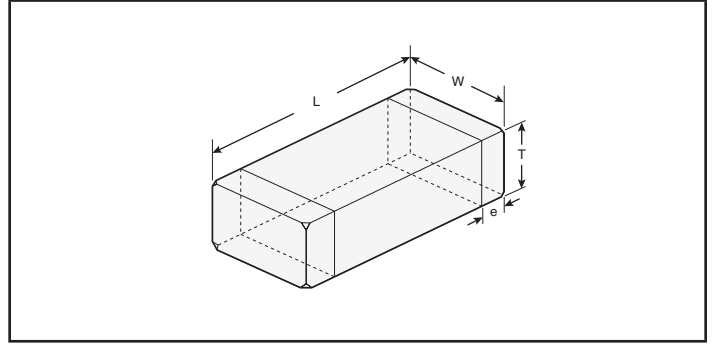
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
2518 (1007) (Cont.)								
	963—CBC2518T100K	10	0.36	480				
	963—CBC2518T150K	15	0.65	350				
	963—CBC2518T101K	100	3.7	160				

TAIYO YUDEN Wire-Wound Chip Inductors TAIYO YUDEN

 This product is RoHS compliant.

Type	Dimensions: mm (in.)			
	L	W	T	e
LB1608	1.6±0.1 (0.063±0.004)	0.8±0.1 (0.031±0.004)	0.8±0.1 (0.031±0.004)	0.35±0.15 (0.014±0.006)
LBMF1608	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.004)	0.8±0.2 (0.031±0.008)	0.45±0.15 (0.016±0.006)
LB2012	2.0±0.2 (0.079±0.008)	1.25±0.2 (0.049±0.008)	1.25±0.2 (0.049±0.008)	0.5±0.2 (0.020±0.008)
LBC2012	2.0±0.2 (0.079±0.008)	1.6±0.2 (0.063±0.008)	1.6±0.2 (0.063±0.008)	0.5±0.2 (0.020±0.008)
LBR2012	2.0±0.2 (0.079±0.008)	1.8±0.2 (0.071±0.008)	1.8±0.2 (0.071±0.008)	0.5±0.2 (0.020±0.008)
LB2518	2.5±0.2 (0.098±0.008)	1.8±0.2 (0.071±0.008)	1.8±0.2 (0.071±0.008)	0.5±0.2 (0.020±0.008)
LBC2518	3.2±0.2 (0.128±0.008)	1.8±0.2 (0.071±0.008)	1.8±0.2 (0.071±0.008)	0.6±0.2 (0.024±0.008)
LBR2518	3.2±0.2 (0.128±0.008)	2.5±0.2 (0.098±0.008)	2.5±0.2 (0.098±0.008)	0.6±0.3 (0.024±0.012)



LB SERIES WIRE-WOUND CHIP INDUCTORS

LB series are Wound Chip Inductors having wide line-up, which are suitable for any circuit designs.

- Features:**
- LBC series has large rated current
 - LBR series has low DC resistance
 - LBMF series has a low loss characteristic
 - LB series M type for Signal line propose down sizing with High Q and narrow balance

- Common Applications:**
- DSC, DVC, HDD, LCD-TV, various communication equipment

For additional sizes and values, visit mouser.com

Standard

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
1608 (0603)								
	963—LB1608T1R0M	1	0.17	160				
	963—LB1608T2R2M	2.2	0.33	115				
	963—LB1608T4R7M	4.7	0.55	70				
	963—LB1608T8R2M	8.2	0.7	60				
	963—LB1608T100M	10	0.7	60				
2012 (0805)								
	963—LB2012T1R0M	1	0.15	405				
	963—LB2012T100K	10	0.7	120				
	963—LB2012T100KR	10	0.5	120				
	963—LB2012T150K	15	1.3	100				
	963—LB2012T101K	100	7	45				
2016 (0806)								
	963—LB2016T1R0M	1	0.09	490				
	963—LB2016T1R5M	1.5	0.11	380				
	963—LB2016T100K	10	0.5	155				
	963—LB2016T150K	15	0.7	130				
	963—LB2016T220K	22	1	105				
	963—LB2016T101K	100	4.5	40				
2518 (1007)								
	963—LB2518T1R0M	1	0.06	665				
	963—LB2518T100K	10	0.25	165				
	963—LB2518T150K	15	0.32	145				
	963—LB2518T101K	100	2.1	60				
	963—LB2518T151K	150	3.2	45				
	963—LB2518T102K	1000	24	15				
3218 (1207)								
	963—LB3218T100K	10	0.25	340				
	963—LB3218T150K	15	0.32	300				
	963—LB3218T101K	100	2.4	140				
	963—LB3218T151K	150	3.2	105				
	963—LB3218T102K	1000	27	39				

C Type High Current

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
1608 (0603)								
	963—LBC2012T1R0M	1	0.19	620				
	963—LBC2012T2R2M	2.2	0.33	430				
	963—LBC2012T100K	10	1.2	200				
	963—LBC2012T220K	22	3.7	130				
	963—LBC2012T470K	47	5.8	90				
2016 (0806)								
	963—LBC2016T1R0M	1	0.1	690				
	963—LBC2016T1R5M	1.5	0.15	600				
	963—LBC2016T100K	10	0.82	245				
	963—LBC2016T150K	15	1.2	200				
	963—LBC2016T101K	100	8	75				
2518 (1007)								
	963—LBC2518T1R0M	1	0.08	775				
	963—LBC2518T100K	10	0.36	375				
	963—LBC2518T150K	15	0.65	285				
	963—LBC2518T101K	100	3.7	125				
	963—LBC2518T151K	150	6.1	95				
3225 (1210)								
	963—LBC3225T1R0MR	1	0.055	1.1				
	963—LBC3225T1R5MR	1.5	0.06	1				
	963—LBC3225T100KR	10	0.133	540				
	963—LBC3225T150KR	15	0.195	420				
	963—LBC3225T101KR	100	1.4	150				

MF Type Low Loss

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
1608 (0603)								
	963—LBMF1608T1R0M	1	0.09	230				
	963—LBMF1608T2R2M	2.2	0.17	160				
	963—LBMF1608T3R3M	3.3	0.22	130				
	963—LBMF1608T4R7M	4.7	0.24	110				
	963—LBMF1608T100K	10	0.36	80				
	963—LBMF1608T220K	22	1	50				
	963—LBMF1608T470K	47	2.5	35				

R Type Low Rdc

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
2012 (0805)								
	963—LBR2012T1R0M	1	0.07	400				
	963—LBR2012T2R2M	2.2	0.13	260				
	963—LBR2012T100K	10	0.36	150				
	963—LBR2012T220K	22	1	100				
	963—LBR2012T101K	100	4	50				
2518 (1007)								
	963—LBR2518T1R0M	1	0.045	960				
	963—LBR2518T2R2M	2.2	0.07	480				
	963—LBR2518T100K	10	0.19	235				
	963—LBR2518T220K	22	0.44	175				
	963—LBR2518T101K	100	1.89	80				

LB Series M Type For Signal Lines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance (uH)	DCR (Ω max)	Current (mA) max.	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
2016 (0806)								
	963—LBM2016TR12J	0.12	0.13	610				
	963—LBM2016TR15J	0.15	0.15	570				
	963—LBM2016TR18J	0.18	0.15	560				
	963—LBM2016TR22J	0.22	0.2	520				
	963—LBM2016TR27J	0.27	0.21	510				
	963—LBM2016TR33J	0.33	0.21	490				
	963—LBM2016TR39J	0.39	0.26	440				
	963—LBM2016TR47J	0.47	0.26	430				
	963—LBM2016TR56J	0.56	0.29	410				
	963—LBM2016TR68J	0.68	0.32	400				
	963—LBM2016TR82J	0.82	0.34	390				
	963—LBM2016T1R0J	1	0.38	385				
	963—LBM2016T1R2J	1.2	0.41	370				
	963—LBM2016T1R5J	1.5	0.47	350				
	963—LBM2016T1R8J	1.8	0.48	345				
	963—LBM2016T2R2J	2.2	0.54	340				
	963—LBM2016T2R7J	2.7	0.59	310				
	963—LBM2016T3R3J	3.3	0.68	290				
	963—LBM2016T3R9J	3.9	0.74	275				
	963—LBM2016T4R7J	4.7	0.78	270				
	963—LBM2016T5R6J	5.6	0.88	255				
	963—LBM2016T6R8J	6.8	0.97	240				
	963—LBM2016T8R2J	8.2	1.1	225				
	963—LBM2016T100J	10	1.2	215				
	963—LBM2016T120J	12	1.4	200				
	963—LBM2016T150J	15	1.5	190				
	963—LBM2016T180J	18	2.5	150				
	963—LBM2016T220J	22	2.8	140				
	963—LBM2016T270J	27	3.2	130				
	963—LBM2016T330J	33	3.6	125				
	963—LBM2016T390J	39	3.9	120				
	963—LBM2016T470J	47	4.1	115				
	963—LBM2016T560J	56	5.9	95				
	963—LBM2016T680J	68	7	90				
	963—LBM2016T820J	82	7.7	85				
	963—LBM2016T101J	100	8	80				

NEW SUPPLIER

Inductors

Taiyo Yuden

NEW SUPPLIER

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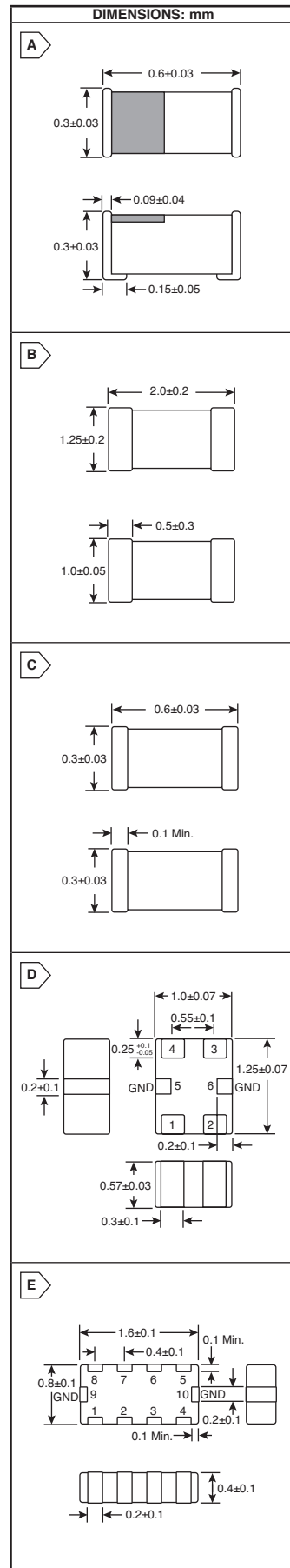


This product is RoHS compliant.

MLG SERIES MULTILAYER/HIGH-Q FOR HIGH-FREQUENCY CIRCUITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Fig.	Case Size	Value (nH)	Tol.	SRF (GHz)	DCR (Ω)	Rated Current (mA)	Price Each			
									1	50	100	500
810-MLG0603P0N6C	MLG0603P0N6C	A	0603	0.6	0.2	20.0	0.01	1000				
810-MLG0603P0N7C	MLG0603P0N7C	A	0603	0.7	0.2	20.0	0.01	1000				
810-MLG0603P0N8C	MLG0603P0N8C	A	0603	0.8	0.2	20.0	0.02	1000				
810-MLG0603P0N9C	MLG0603P0N9C	A	0603	0.9	0.2	20.0	0.02	1000				
810-MLG0603P1N0C	MLG0603P1N0C	A	0603	1.0	0.2	20.0	0.02	1000				
810-MLG0603P1N1C	MLG0603P1N1C	A	0603	1.1	0.2	19.9	0.03	1000				
810-MLG0603P1N2C	MLG0603P1N2C	A	0603	1.2	0.2	16.0	0.04	800				
810-MLG0603P1N3C	MLG0603P1N3C	A	0603	1.3	0.2	13.9	0.03	800				
810-MLG0603P1N5C	MLG0603P1N5C	A	0603	1.5	0.2	11.7	0.03	800				
810-MLG0603P1N6C	MLG0603P1N6C	A	0603	1.6	0.2	13.4	0.03	700				
810-MLG0603P1N8C	MLG0603P1N8C	A	0603	1.8	0.2	10.7	0.03	700				
810-MLG0603P2N0C	MLG0603P2N0C	A	0603	2.0	0.2	8.5	0.03	600				
810-MLG0603P2N2C	MLG0603P2N2C	A	0603	2.2	0.2	9.0	0.07	600				
810-MLG0603P2N4C	MLG0603P2N4C	A	0603	2.4	0.2	10.9	0.12	500				
810-MLG0603P2N7C	MLG0603P2N7C	A	0603	2.7	0.2	10.0	0.14	500				
810-MLG0603P3N0C	MLG0603P3N0C	A	0603	3.0	0.2	9.1	0.14	450				
810-MLG0603P3N3C	MLG0603P3N3C	A	0603	3.3	0.2	8.4	0.13	450				
810-MLG0603P3N6C	MLG0603P3N6C	A	0603	3.6	0.2	7.7	0.10	400				
810-MLG0603P3N9C	MLG0603P3N9C	A	0603	3.9	0.2	7.1	0.22	400				
810-MLG0603P4N3S	MLG0603P4N3S	A	0603	4.3	0.3	6.7	0.24	350				
810-MLG0603P4N7S	MLG0603P4N7S	A	0603	4.7	0.3	6.9	0.16	350				
810-MLG0603P5N1S	MLG0603P5N1S	A	0603	5.1	0.3	6.6	0.30	350				
810-MLG0603P5N6S	MLG0603P5N6S	A	0603	5.6	0.3	5.3	0.32	350				
810-MLG0603P6N2S	MLG0603P6N2S	A	0603	6.2	0.3	6.3	0.59	300				
810-MLG0603P6N8J	MLG0603P6N8J	A	0603	6.8	5%	6.1	0.62	300				
810-MLG0603P7N5J	MLG0603P7N5J	A	0603	7.5	5%	5.4	0.70	300				
810-MLG0603P8N2J	MLG0603P8N2J	A	0603	8.2	5%	5.2	0.71	250				
810-MLG0603P9N1J	MLG0603P9N1J	A	0603	9.1	5%	5.0	0.76	250				
810-MLG0603P10NJ	MLG0603P10NJ	A	0603	10	5%	4.7	0.85	250				
810-MLG0603P12NJ	MLG0603P12NJ	A	0603	12	5%	4.3	0.82	180				
810-MLG0603P15NJ	MLG0603P15NJ	A	0603	15	5%	3.7	0.94	170				
810-MLG0603P18NJ	MLG0603P18NJ	A	0603	18	5%	3.5	1.04	160				
810-MLG0603P22NJ	MLG0603P22NJ	A	0603	22	5%	2.9	1.31	150				
810-MLG0603P27NJ	MLG0603P27NJ	A	0603	27	5%	2.7	1.45	140				
810-MLG0603P33NJ	MLG0603P33NJ	A	0603	33	5%	2.4	1.55	130				
810-MLG0603P39NJ	MLG0603P39NJ	A	0603	39	5%	2.2	1.72	120				
810-MLG0603P47NJ	MLG0603P47NJ	A	0603	47	5%	2.0	2.18	110				
810-MLG0603P56NJ	MLG0603P56NJ	A	0603	56	5%	1.8	2.35	100				
810-MLG0603P68NJ	MLG0603P68NJ	A	0603	68	5%	1.6	2.69	100				
810-MLG0603P82NJ	MLG0603P82NJ	A	0603	82	5%	1.5	2.71	80				
810-MLG0603PR10J	MLG0603PR10J	A	0603	100	5%	1.3	3.20	80				
810-MLG0603PR12J	MLG0603PR12J	A	0603	120	5%	1.0	3.79	80				



MLP SERIES INDUCTORS FOR POWER CIRCUITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Fig.	Case Size	Value (nH)	Tol.	DCR (Ω)	Rated Current (mA)	Price Each			
								1	50	100	500
810-MLP2016SR47M	MLP2016SR47M	B	2016	0.47	20%	0.05	1600				
810-MLP2016S1R0M	MLP2016S1R0M	B	2016	1	20%	0.09	1400				
810-MLP2016S1R5M	MLP2016S1R5M	B	2016	1.5	20%	0.09	1200				
810-MLP2016S2R2M	MLP2016S2R2M	B	2016	2.2	20%	0.11	1200				
810-MLP2016S4R7M	MLP2016S4R7M	B	2016	4.7	20%	0.27	800				

MMZ SERIES CHIP BEADS FOR SIGNAL LINE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Fig.	Case Size	Imp. (Ω) (±25%)	DCR (Ω)	Rated Current (mA)	Price Each			
							1	50	100	500
810-MMZ0603F220C	MMZ0603F220C	C	0603	22	1.00	200				
810-MMZ0603F330C	MMZ0603F330C	C	0603	33	1.30	150				
810-MMZ0603Y601C	MMZ0603Y601C	C	0603	600	1.50	200				

MPZ SERIES CHIP BEADS FOR POWER LINE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Fig.	Case Size	Imp. (Ω) (±25%)	DCR (Ω)	Rated Current (mA)	Price Each			
							1	50	100	500
810-MPZ0603S220C	MPZ0603S220C	C	0603	22	0.065	1000				
810-MPZ0603S330C	MPZ0603S330C	C	0603	33	0.09	750				
810-MPZ0603S470C	MPZ0603S470C	C	0603	47	0.12	500				

TCE SERIES COMMON MODE FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Fig.	Case Size	Imp. (Ω) (±25%)	DCR (Ω)	Rated Current (mA)	Price Each			
							1	50	100	500
810-TCE1210-900-2P	TCE1210-900-2P	D	1210	90	1.75	100				
810-TCE1608-900-4P	TCE1608-900-4P	E	1608	90	1.95	100				

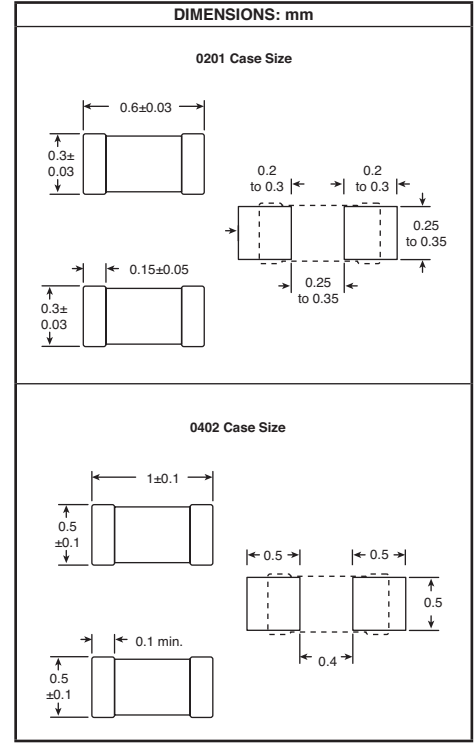


TDK MLK SERIES INDUCTORS

- Features:**
- Supports operating frequency bands of up to 12GHz with nominal inductance values from 1 to 33nH.
 - The gigaspiral multilayer structure reduces self-resonant frequencies and suppresses the reduction of Q values in gigahertz bandwidths.
 - Advanced monolithic structure is formed using a multilayering and sintering process with ceramic and conductive materials for high-frequency.
 - Completely lead-free product which contains no lead in any of the materials used. It supports lead-free solder, as well.
- Applications:**
- High-frequency circuits for portable telephones, PA, Bluetooth modules, etc.
- Specifications:**
- Operating Temperature Range: -55°C to +125°C
 - Storage Temperature Range: -55°C to +125°C (unit of product)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Case Size	Value (nH)	Tol. (±)	SRF (GHz)	DCR (Ω)	Rated Current (mA)	Price Each			
								1	10	100	500
810-MLK0603L1N0S	MLK0603L1N0S	0201	1.0	0.3nH	12	0.20	300				
810-MLK0603L1N2S	MLK0603L1N2S	0201	1.2	0.3nH	11	0.25	300				
810-MLK0603L1N5S	MLK0603L1N5S	0201	1.5	0.3nH	9.5	0.30	300				
810-MLK0603L1N8S	MLK0603L1N8S	0201	1.8	0.3nH	8.5	0.35	300				
810-MLK0603L2N2S	MLK0603L2N2S	0201	2.2	0.3nH	8.0	0.40	300				
810-MLK0603L2N7S	MLK0603L2N7S	0201	2.7	0.3nH	7.5	0.45	300				
810-MLK0603L3N3S	MLK0603L3N3S	0201	3.3	0.3nH	7.0	0.50	200				
810-MLK0603L3N9S	MLK0603L3N9S	0201	3.9	0.3nH	6.5	0.55	200				
810-MLK0603L4N7S	MLK0603L4N7S	0201	4.7	0.3nH	6.0	0.60	200				
810-MLK0603L5N6S	MLK0603L5N6S	0201	5.6	0.3nH	5.7	0.70	200				
810-MLK0603L6N8J	MLK0603L6N8J	0201	6.8	5%	5.5	0.80	200				
810-MLK0603L8N2J	MLK0603L8N2J	0201	8.2	5%	5.0	0.90	200				
810-MLK0603L10NJ	MLK0603L10NJ	0201	10	5%	4.7	1.0	200				
810-MLK0603L12NJ	MLK0603L12NJ	0201	12	5%	4.3	1.1	150				
810-MLK0603L15NJ	MLK0603L15NJ	0201	15	5%	4.0	1.2	150				
810-MLK0603L18NJ	MLK0603L18NJ	0201	18	5%	3.7	1.4	100				
810-MLK0603L22NJ	MLK0603L22NJ	0201	22	5%	3.5	1.6	100				
810-MLK1005S1N0S	MLK1005S1N0S	0402	1.0	0.3nH	19	0.10	300				
810-MLK1005S1N2S	MLK1005S1N2S	0402	1.2	0.3nH	16.2	0.15	300				
810-MLK1005S1N5S	MLK1005S1N5S	0402	1.5	0.3nH	13.6	0.16	300				
810-MLK1005S1N8S	MLK1005S1N8S	0402	1.8	0.3nH	10.5	0.20	300				
810-MLK1005S2N2S	MLK1005S2N2S	0402	2.2	0.3nH	10	0.21	300				
810-MLK1005S2N7S	MLK1005S2N7S	0402	2.7	0.3nH	9.2	0.23	300				
810-MLK1005S3N3S	MLK1005S3N3S	0402	3.3	0.3nH	8.5	0.25	300				
810-MLK1005S3N9S	MLK1005S3N9S	0402	3.9	0.3nH	8.2	0.28	300				
810-MLK1005S4N7S	MLK1005S4N7S	0402	4.7	0.3nH	7.3	0.32	300				
810-MLK1005S5N6D	MLK1005S5N6D	0402	5.6	0.5nH	7.2	0.35	300				
810-MLK1005S6N8D	MLK1005S6N8D	0402	6.8	0.5nH	6.8	0.38	300				
810-MLK1005S8N2D	MLK1005S8N2D	0402	8.2	0.5nH	6.5	0.42	300				
810-MLK1005S10NJ	MLK1005S10NJ	0402	10	5%	6.3	0.45	200				
810-MLK1005S12NJ	MLK1005S12NJ	0402	12	5%	6.2	0.50	200				
810-MLK1005S15NJ	MLK1005S15NJ	0402	15	5%	5.6	0.55	200				
810-MLK1005S18NJ	MLK1005S18NJ	0402	18	5%	5.3	0.65	200				
810-MLK1005S22NJ	MLK1005S22NJ	0402	22	5%	5.1	0.75	200				
810-MLK1005S27NJ	MLK1005S27NJ	0402	27	5%	4.7	0.95	200				
810-MLK1005S33NJ	MLK1005S33NJ	0402	33	5%	4.2	1.1	200				
810-MLK1005S39NJ	MLK1005S39NJ	0402	39	5%	3.4	1.2	100				
810-MLK1005S47NJ	MLK1005S47NJ	0402	47	5%	2.9	1.3	100				
810-MLK1005S56NJ	MLK1005S56NJ	0402	56	5%	2.8	1.4	100				
810-MLK1005S68NJ	MLK1005S68NJ	0402	68	5%	2.7	1.6	100				
810-MLK1005S82NJ	MLK1005S82NJ	0402	82	5%	2.1	1.8	50				
810-MLK1005SR10J	MLK1005SR10J	0402	100	5%	2.0	2.2	50				

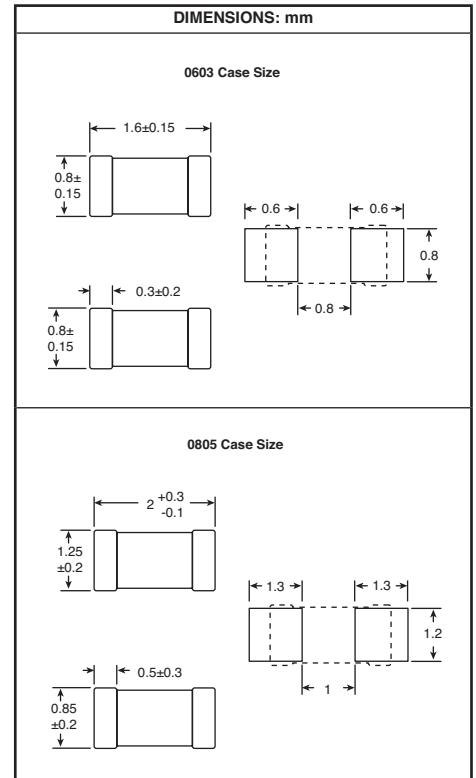


TDK MMZ SERIES CHIP FERRITE BEADS

- Features:**
- Size standardized for use by automatic assembly equipment. No preferred orientation.
 - Either flow or reflow soldering methods can be used due to electroplating of the terminal electrodes.
 - High reliability due to an entirely monolithic structure.
 - Low DC resistance structure of electrode prevents wasteful electric power consumption.
 - The products contain no lead and also support lead-free soldering.
- Applications:**
- PCs, CRTs, liquid crystal display panels, printers, hard disk drives, game machines, cell phones, etc.
- Specifications:**
- Operating/Storage Temp. Range: -55°C to +125°C
- For quantities greater than listed, call for quote.

Code	Freq. Range	Applications
A	80-400 MHz	Very high impedance @ 100MHz, based on Y material
D	200-500 MHz	High impedance @ high frequencies
R	10-200 MHz	For digital signal lines req'g good waveform integrity
S	40-300 MHz	Standard type with blocking frequency near 100MHz
Y	80-400 MHz	Usable where signal freq. is far from cut-off frequency

MOUSER STOCK NO.	TDK Part No.	Case Size	Imp. (Ω)	DCR (Ω)	Rated Current (mA)	Material Characteristics	Price Each			
							1	25	100	1000
810-MMZ1608A152E	MMZ1608A152E	0603	1500	1.0	300	A				
810-MMZ1608R150A	MMZ1608R150A	0603	15	0.05	1500	R				
810-MMZ1608R300A	MMZ1608R300A	0603	30	0.05	1500	R				
810-MMZ1608R600A	MMZ1608R600A	0603	60	0.10	800	R				
810-MMZ1608R121A	MMZ1608R121A	0603	120	0.18	500	R				
810-MMZ1608R301A	MMZ1608R301A	0603	300	0.25	500	R				
810-MMZ1608R601A	MMZ1608R601A	0603	600	0.40	500	R				
810-MMZ1608R102A	MMZ1608R102A	0603	1000	0.50	400	R				
810-MMZ1608S400A	MMZ1608S400A	0603	40	0.10	600	S				
810-MMZ1608S800A	MMZ1608S800A	0603	80	0.15	500	S				
810-MMZ1608S121A	MMZ1608S121A	0603	120	0.20	500	S				
810-MMZ1608S181A	MMZ1608S181A	0603	180	0.20	500	S				
810-MMZ1608S301A	MMZ1608S301A	0603	300	0.30	500	S				
810-MMZ1608S601A	MMZ1608S601A	0603	600	0.40	500	S				
810-MMZ1608S102A	MMZ1608S102A	0603	1000	0.50	400	S				
810-MMZ1608Y121B	MMZ1608Y121B	0603	120	0.20	500	Y				
810-MMZ1608Y301B	MMZ1608Y301B	0603	300	0.30	500	Y				
810-MMZ1608Y601B	MMZ1608Y601B	0603	600	0.40	500	Y				
810-MMZ1608Y102B	MMZ1608Y102B	0603	1000	0.50	400	Y				
810-MMZ1608Y152B	MMZ1608Y152B	0603	1500	0.60	300	Y				
810-MMZ2012D121B	MMZ2012D121B	0805	120	0.30	500	D				
810-MMZ2012D301B	MMZ2012D301B	0805	300	0.50	400	D				
810-MMZ2012R150A	MMZ2012R150A	0805	15	0.05	1500	R				
810-MMZ2012R300A	MMZ2012R300A	0805	30	0.05	1500	R				
810-MMZ2012R600A	MMZ2012R600A	0805	60	0.10	1000	R				
810-MMZ2012R121A	MMZ2012R121A	0805	120	0.12	800	R				
810-MMZ2012R301A	MMZ2012R301A	0805	300	0.15	600	R				
810-MMZ2012R601A	MMZ2012R601A	0805	600	0.20	500	R				
810-MMZ2012R102A	MMZ2012R102A	0805	1000	0.30	500	R				
810-MMZ2012S400A	MMZ2012S400A	0805	40	0.10	1000	S				
810-MMZ2012S800A	MMZ2012S800A	0805	80	0.10	800	S				
810-MMZ2012S121A	MMZ2012S121A	0805	120	0.15	800	S				
810-MMZ2012S301A	MMZ2012S301A	0805	300	0.20	600	S				
810-MMZ2012S601A	MMZ2012S601A	0805	600	0.30	500	S				
810-MMZ2012S102A	MMZ2012S102A	0805	1000	0.35	500	S				
810-MMZ2012Y150B	MMZ2012Y150B	0805	15	0.05	1500	Y				
810-MMZ2012Y300B	MMZ2012Y300B	0805	30	0.05	1500	Y				
810-MMZ2012Y600B	MMZ2012Y600B	0805	60	0.10	1000	Y				
810-MMZ2012Y121B	MMZ2012Y121B	0805	120	0.12	800	Y				
810-MMZ2012Y301B	MMZ2012Y301B	0805	300	0.15	600	Y				
810-MMZ2012Y601B	MMZ2012Y601B	0805	600	0.20	500	Y				
810-MMZ2012Y102B	MMZ2012Y102B	0805	1000	0.30	500	Y				
810-MMZ2012Y152B	MMZ2012Y152B	0805	1500	0.40	500	Y				
810-MMZ2012Y202B	MMZ2012Y202B	0805	2000	0.50	400	Y				



TDK SMD Ferrite Core, Magnetic Shielded Chip Inductors

MLF SERIES MLF2012 TYPE

Features:

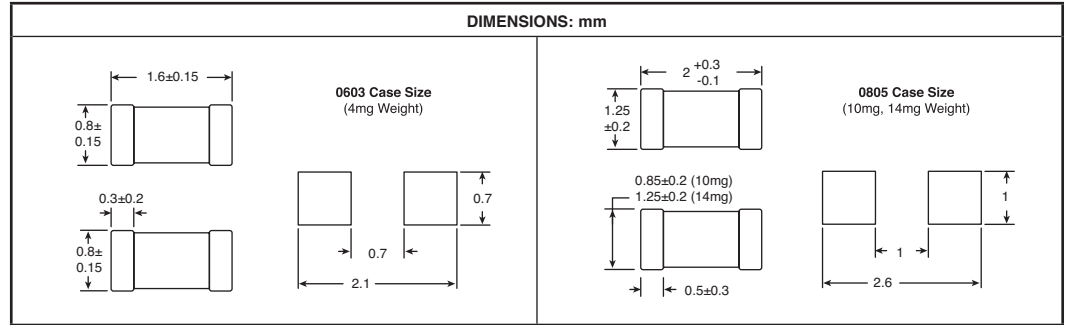
- High-reliability monolithic structure
- Ferrite core and magnetic shielding enables the design of compact circuits with high packing density
- Excellent solderability and high heat resistance permits either flow or reflow soldering
- The products contain no lead and also support lead-free soldering

Applications:

- Digital cellular phone, car audio, TV, personal computers, or various electronic appliances

Specifications:

- Operating Temperature Range: -25°C to +85°C
- Storage Temperature Range: -40°C to +85°C (unit of products)



For quantities greater than listed, call for quote.

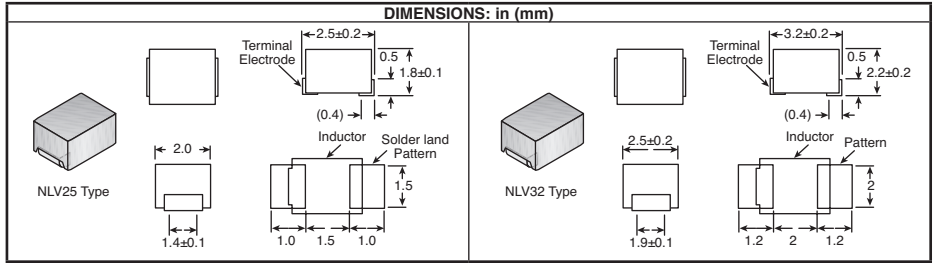
MOUSER STOCK NO.	TDK Part No.	Case Size	Value (μH)	Tolerance (±)	SRF (MHz)	DCR (Ω)	Rated Current	Price Each			
								1	10	100	2000
810-MLF1608D47NM	MLF1608D47NM	0603	0.047	20%	350	0.3	50				
810-MLF1608D68NM	MLF1608D68NM	0603	0.068	20%	325	0.3	50				
810-MLF1608D82NM	MLF1608D82NM	0603	0.082	20%	310	0.3	50				
810-MLF1608DR10K	MLF1608DR10K	0603	0.1	10%	295	0.5	50				
810-MLF1608DR12K	MLF1608DR12K	0603	0.12	10%	280	0.5	50				
810-MLF1608DR15K	MLF1608DR15K	0603	0.15	10%	260	0.6	50				
810-MLF1608DR18K	MLF1608DR18K	0603	0.18	10%	245	0.6	50				
810-MLF1608DR22K	MLF1608DR22K	0603	0.22	10%	230	0.8	50				
810-MLF1608DR27K	MLF1608DR27K	0603	0.27	10%	210	0.8	50				
810-MLF1608DR33K	MLF1608DR33K	0603	0.33	10%	200	0.85	35				
810-MLF1608DR39K	MLF1608DR39K	0603	0.39	10%	185	1	35				
810-MLF1608DR47K	MLF1608DR47K	0603	0.47	10%	170	1.35	35				
810-MLF1608DR56K	MLF1608DR56K	0603	0.56	10%	155	1.55	35				
810-MLF1608DR68K	MLF1608DR68K	0603	0.68	10%	140	1.7	35				
810-MLF1608A1R0K	MLF1608A1R0K	0603	1	10%	105	0.6	25				
810-MLF1608A1R2K	MLF1608A1R2K	0603	1.2	10%	100	0.8	25				
810-MLF1608A1R5K	MLF1608A1R5K	0603	1.5	10%	90	0.8	25				
810-MLF1608A1R8K	MLF1608A1R8K	0603	1.8	10%	80	0.95	25				
810-MLF1608A2R2K	MLF1608A2R2K	0603	2.2	10%	75	1.15	15				
810-MLF1608A2R7K	MLF1608A2R7K	0603	2.7	10%	65	1.35	15				
810-MLF1608A3R3K	MLF1608A3R3K	0603	3.3	10%	60	1.55	15				
810-MLF1608A3R9K	MLF1608A3R9K	0603	3.9	10%	50	1.7	15				
810-MLF1608A4R7K	MLF1608A4R7K	0603	4.7	10%	47	2.1	15				
810-MLF1608E5R6K	MLF1608E5R6K	0603	5.6	10%	45	1.55	5				
810-MLF1608E6R8K	MLF1608E6R8K	0603	6.8	10%	40	1.7	5				
810-MLF1608E8R2K	MLF1608E8R2K	0603	8.2	10%	38	2.1	5				
810-MLF1608E100K	MLF1608E100K	0603	10	10%	37	1.85	3				
810-MLF1608E120K	MLF1608E120K	0603	12	10%	35	2.1	3				
810-MLF1608C150K	MLF1608C150K	0603	15	10%	30	1.7	1				
810-MLF1608C180K	MLF1608C180K	0603	18	10%	28	1.85	1				
810-MLF1608C220K	MLF1608C220K	0603	22	10%	25	2.1	1				
810-MLF1608C330K	MLF1608C330K	0603	33	10%	21	2.95	1				
810-MLF2012D47NM	MLF2012D47NM	0805	0.047	20%	400	0.2	300				
810-MLF2012D68NM	MLF2012D68NM	0805	0.068	20%	350	0.2	300				
810-MLF2012D82NM	MLF2012D82NM	0805	0.082	20%	320	0.2	300				
810-MLF2012DR10K	MLF2012DR10K	0805	0.1	10%	300	0.3	250				
810-MLF2012DR12K	MLF2012DR12K	0805	0.12	10%	280	0.3	250				
810-MLF2012DR15K	MLF2012DR15K	0805	0.15	10%	250	0.4	250				
810-MLF2012DR18K	MLF2012DR18K	0805	0.18	10%	230	0.4	250				
810-MLF2012DR22K	MLF2012DR22K	0805	0.22	10%	220	0.5	250				
810-MLF2012DR27K	MLF2012DR27K	0805	0.27	10%	200	0.5	250				
810-MLF2012DR33K	MLF2012DR33K	0805	0.33	10%	180	0.55	250				
810-MLF2012DR39K	MLF2012DR39K	0805	0.39	10%	170	0.65	200				
810-MLF2012DR47K	MLF2012DR47K	0805	0.47	10%	160	0.65	200				
810-MLF2012DR56K	MLF2012DR56K	0805	0.56	10%	150	0.75	150				
810-MLF2012DR68K	MLF2012DR68K	0805	0.68	10%	135	0.8	150				
810-MLF2012DR82K	MLF2012DR82K	0805	0.82	10%	125	1	150				
810-MLF2012A1R0K	MLF2012A1R0K	0805	1	10%	105	0.4	50				
810-MLF2012A1R2K	MLF2012A1R2K	0805	1.2	10%	95	0.5	50				
810-MLF2012A1R5K	MLF2012A1R5K	0805	1.5	10%	85	0.5	50				
810-MLF2012A1R8K	MLF2012A1R8K	0805	1.8	10%	78	0.6	50				
810-MLF2012A2R2K	MLF2012A2R2K	0805	2.2	10%	70	0.65	30				
810-MLF2012A2R7K	MLF2012A2R7K	0805	2.7	10%	64	0.75	30				
810-MLF2012A3R3K	MLF2012A3R3K	0805	3.3	10%	58	0.8	30				
810-MLF2012A3R9K	MLF2012A3R9K	0805	3.9	10%	53	0.9	30				
810-MLF2012A4R7K	MLF2012A4R7K	0805	4.7	10%	48	1	30				
810-MLF2012E5R6K	MLF2012E5R6K	0805	5.6	10%	44	0.9	15				
810-MLF2012E6R8K	MLF2012E6R8K	0805	6.8	10%	40	1	15				
810-MLF2012E8R2K	MLF2012E8R2K	0805	8.2	10%	36	1.1	15				
810-MLF2012E100K	MLF2012E100K	0805	10	10%	33	1.15	15				
810-MLF2012E120K	MLF2012E120K	0805	12	10%	30	1.25	15				
810-MLF2012C150K	MLF2012C150K	0805	15	10%	27	0.8	5				
810-MLF2012C180K	MLF2012C180K	0805	18	10%	25	0.9	5				
810-MLF2012C220K	MLF2012C220K	0805	22	10%	22	1.1	5				
810-MLF2012C270K	MLF2012C270K	0805	27	10%	20	1.15	5				
810-MLF2012C330K	MLF2012C330K	0805	33	10%	18	1.25	5				
810-MLF2012K390K	MLF2012K390K	0805	39	10%	15	2.9	4				
810-MLF2012K470K	MLF2012K470K	0805	47	10%	14	3	4				
810-MLF2012K560K	MLF2012K560K	0805	56	10%	13	3.1	4				
810-MLF2012C680K	MLF2012C680K	0805	68	10%	12	2.9	2				
810-MLF2012C820K	MLF2012C820K	0805	82	10%	11	3	2				
810-MLF2012C101K	MLF2012C101K	0805	100	10%	10	3.1	2				

TDK Surface Mount Inductors



NLV SERIES NLV25/32 TYPE For Signal Line

- Features:**
- The product has good heat durability that withstands lead-free compatible reflow soldering conditions.
 - Lead-free material is used for the plating on the terminal.
 - The electrical characteristics, reliability, shape and pad shape are the same as the previous NL series.
 - Highly heat resistant thermoplastic resin is used to form the exterior package.
 - This product conforms to the RoHS standard.



- Applications:**
- PCs, hard disk drives, and other types of electronics

- Specifications:**
- Operating Temperature: -40°C to +105°C
 - Inductance Tolerance: ±5%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	L (μH)	Q Min.	Test Freq. (MHz)	Rdc (Ω) max.	Idc (mA) max.	Price Each		
							1	100	2000
810-NLV25T-010J	NLV25T-010J-PF	0.01	15	100	.26	530			
810-NLV25T-012J	NLV25T-012J-PF	0.012	15	100	.27	500			
810-NLV25T-015J	NLV25T-015J-PF	0.015	15	100	.29	480			
810-NLV25T-018J	NLV25T-018J-PF	0.018	15	100	.31	450			
810-NLV25T-022J	NLV25T-022J-PF	0.022	15	100	.37	420			
810-NLV25T-027J	NLV25T-027J-PF	0.027	15	100	.40	410			
810-NLV25T-033J	NLV25T-033J-PF	0.033	20	100	.42	400			
810-NLV25T-039J	NLV25T-039J-PF	0.039	20	100	.45	380			
810-NLV25T-047J	NLV25T-047J-PF	0.047	20	100	.50	360			
810-NLV25T-056J	NLV25T-056J-PF	0.056	20	100	.60	340			
810-NLV25T-068J	NLV25T-068J-PF	0.068	20	100	.65	320			
810-NLV25T-082J	NLV25T-082J-PF	0.082	20	100	.75	300			
810-NLV25T-R10J	NLV25T-R10J-PF	0.1	20	100	.80	280			
810-NLV25T-R12J	NLV25T-R12J-PF	0.12	30	25.2	.30	550			
810-NLV25T-R15J	NLV25T-R15J-PF	0.15	30	25.2	.35	500			
810-NLV25T-R18J	NLV25T-R18J-PF	0.18	30	25.2	.40	460			
810-NLV25T-R22J	NLV25T-R22J-PF	0.22	30	25.2	.50	430			
810-NLV25T-R27J	NLV25T-R27J-PF	0.27	30	25.2	.55	420			
810-NLV25T-R33J	NLV25T-R33J-PF	0.33	30	25.2	.60	400			
810-NLV25T-R39J	NLV25T-R39J-PF	0.39	30	25.2	.65	375			
810-NLV25T-R47J	NLV25T-R47J-PF	0.47	30	25.2	.68	350			
810-NLV25T-R56J	NLV25T-R56J-PF	0.56	30	25.2	.75	325			
810-NLV25T-R68J	NLV25T-R68J-PF	0.68	30	25.2	.85	300			
810-NLV25T-R82J	NLV25T-R82J-PF	0.82	30	25.2	1.00	260			
810-NLV25T-1R0J	NLV25T-1R0J-PF	1.0	30	7.96	1.10	245			
810-NLV25T-1R2J	NLV25T-1R2J-PF	1.2	30	7.96	1.20	230			
810-NLV25T-1R5J	NLV25T-1R5J-PF	1.5	30	7.96	1.30	220			
810-NLV25T-1R8J	NLV25T-1R8J-PF	1.8	30	7.96	1.45	210			
810-NLV25T-2R2J	NLV25T-2R2J-PF	2.2	30	7.96	1.55	200			
810-NLV25T-2R7J	NLV25T-2R7J-PF	2.7	30	7.96	1.70	195			
810-NLV25T-3R3J	NLV25T-3R3J-PF	3.3	30	7.96	1.90	185			
810-NLV25T-3R9J	NLV25T-3R9J-PF	3.9	30	7.96	2.10	180			
810-NLV25T-4R7J	NLV25T-4R7J-PF	4.7	30	7.96	2.30	175			
810-NLV25T-5R6J	NLV25T-5R6J-PF	5.6	25	7.96	2.50	170			
810-NLV25T-6R8J	NLV25T-6R8J-PF	6.8	25	7.96	2.70	165			
810-NLV25T-8R2J	NLV25T-8R2J-PF	8.2	25	7.96	3.05	160			
810-NLV25T-100J	NLV25T-100J-PF	10	25	2.52	3.50	155			
810-NLV25T-120J	NLV25T-120J-PF	12	25	2.52	3.80	150			
810-NLV25T-150J	NLV25T-150J-PF	15	25	2.52	4.40	140			
810-NLV25T-180J	NLV25T-180J-PF	18	25	2.52	4.80	130			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	L (μH)	Q Min.	Test Freq. (MHz)	Rdc (Ω) max.	Idc (mA) max.	Price Each		
							1	100	2000
NLV25 Type (Cont.)									
810-NLV25T-220J	NLV25T-220J-PF	22	25	2.52	5.50	125			
810-NLV25T-270J	NLV25T-270J-PF	27	25	2.52	6.30	115			
810-NLV25T-330J	NLV25T-330J-PF	33	25	2.52	7.10	110			
810-NLV25T-390J	NLV25T-390J-PF	39	20	2.52	9.50	90			
810-NLV25T-470J	NLV25T-470J-PF	47	20	2.52	11.10	80			
810-NLV25T-560J	NLV25T-560J-PF	56	20	2.52	12.10	75			
810-NLV25T-680J	NLV25T-680J-PF	68	20	2.52	16.60	70			
810-NLV25T-820J	NLV25T-820J-PF	82	20	2.52	19.00	66			
810-NLV25T-101J	NLV25T-101J-PF	100	15	0.796	21.00	60			
NLV32 Type									
810-NLV32T-010J	NLV32T-010J-PF	0.01	15	100	.13	450			
810-NLV32T-015J	NLV32T-015J-PF	0.015	19	100	.16	450			
810-NLV32T-022J	NLV32T-022J-PF	0.022	23	100	.20	450			
810-NLV32T-033J	NLV32T-033J-PF	0.033	25	100	.24	450			
810-NLV32T-047J	NLV32T-047J-PF	0.047	26	100	.30	450			
810-NLV32T-068J	NLV32T-068J-PF	0.068	27	100	.36	450			
810-NLV32T-R10J	NLV32T-R10J-PF	0.1	28	100	.44	450			
810-NLV32T-R15J	NLV32T-R15J-PF	0.15	30	25.2	.25	450			
810-NLV32T-R22J	NLV32T-R22J-PF	0.22	30	25.2	.32	450			
810-NLV32T-R33J	NLV32T-R33J-PF	0.33	30	25.2	.40	450			
810-NLV32T-R47J	NLV32T-R47J-PF	0.47	30	25.2	.50	450			
810-NLV32T-R68J	NLV32T-R68J-PF	0.68	30	25.2	.60	450			
810-NLV32T-1R0J	NLV32T-1R0J-PF	1	30	7.96	0.7	400			
810-NLV32T-1R5J	NLV32T-1R5J-PF	1.5	30	7.96	0.85	370			
810-NLV32T-2R2J	NLV32T-2R2J-PF	2.2	30	7.96	1	320			
810-NLV32T-3R3J	NLV32T-3R3J-PF	3.3	30	7.96	1.2	260			
810-NLV32T-4R7J	NLV32T-4R7J-PF	4.7	30	7.96	1.5	220			
810-NLV32T-6R8J	NLV32T-6R8J-PF	6.8	30	7.96	1.8	180			
810-NLV32T-100J	NLV32T-100J-PF	10	30	2.52	2.1	150			
810-NLV32T-150J	NLV32T-150J-PF	15	30	2.52	2.8	130			
810-NLV32T-220J	NLV32T-220J-PF	22	30	2.52	3.7	110			
810-NLV32T-330J	NLV32T-330J-PF	33	30	2.52	5.6	70			
810-NLV32T-470J	NLV32T-470J-PF	47	30	2.52	7	60			
810-NLV32T-680J	NLV32T-680J-PF	68	30	2.52	9	50			
810-NLV32T-101J	NLV32T-101J-PF	100	20	0.796	10	40			
810-NLV32T-151J	NLV32T-151J-PF	150	20	0.796	15	65			
810-NLV32T-221J	NLV32T-221J-PF	220	30	2.52	21	50			
810-NLV32T-331J	NLV32T-331J-PF	330	20	0.796	34	40			
810-NLV32T-471J	NLV32T-471J-PF	470	20	0.796	40	25			

NLCV SERIES NLCV25/32 TYPE For Power Line

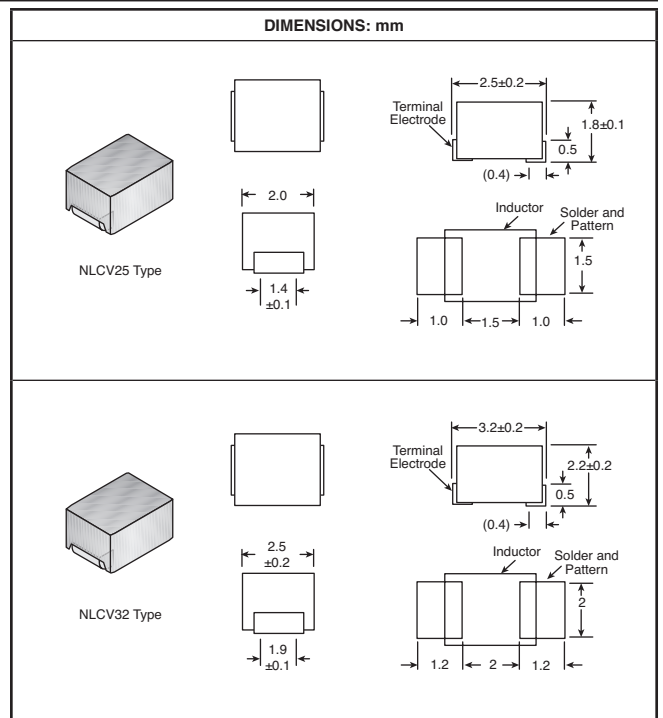
- Features:**
- The product has good heat durability that withstands lead-free compatible reflow soldering conditions.
 - Lead-free material is used for the plating on the terminal.
 - The electrical characteristics, reliability, shape and pad shape are the same as the previous NL series.
 - Highly heat resistant thermoplastic resin is used to form the exterior package.
 - This product conforms to the RoHS standard.

- Applications:**
- PCs, hard disk drives, and other types of electronics
- Specifications:**
- Operating Temperature: -40°C to +105°C
 - Inductance Tolerance: 10% (K); 20% (M)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	L (μH)	Q Min.	Test Freq. (MHz)	Rdc (Ω) max.	Idc (mA) max.	Price Each		
							1	100	2000
NLCV25 Type									
810-NLCV25T-1R0M	NLCV25T-1R0M-PF	1	20	7.96	0.34	475			
810-NLCV25T-1R5M	NLCV25T-1R5M-PF	1.5	20	7.96	0.42	435			
810-NLCV25T-2R2M	NLCV25T-2R2M-PF	2.2	20	7.96	0.5	390			
810-NLCV25T-3R3M	NLCV25T-3R3M-PF	3.3	20	7.96	0.65	340			
810-NLCV25T-4R7M	NLCV25T-4R7M-PF	4.7	20	7.96	0.8	285			
810-NLCV25T-6R8M	NLCV25T-6R8M-PF	6.8	20	7.96	1	275			
810-NLCV25T-100K	NLCV25T-100K-PF	10	30	2.52	1.69	210			
810-NLCV25T-150K	NLCV25T-150K-PF	15	30	2.52	2.2	175			
810-NLCV25T-220K	NLCV25T-220K-PF	22	30	2.52	2.8	160			
810-NLCV25T-330K	NLCV25T-330K-PF	33	30	2.52	4.2	120			
NLCV32 Type									
810-NLCV32T-1R0M	NLCV32T-1R0M-PF	1	10	7.96	0.08	850			
810-NLCV32T-1R5M	NLCV32T-1R5M-PF	1.5	10	7.96	0.11	700			
810-NLCV32T-2R2M	NLCV32T-2R2M-PF	2.2	10	7.96	0.13	600			
810-NLCV32T-3R3M	NLCV32T-3R3M-PF	3.3	10	7.96	0.16	500			
810-NLCV32T-100K	NLCV32T-100K-PF	10	15	2.52	0.36	300			
810-NLCV32T-150K	NLCV32T-150K-PF	15	15	2.52	0.56	250			
810-NLCV32T-220K	NLCV32T-220K-PF	22	15	2.52	0.77	210			
810-NLCV32T-330K	NLCV32T-330K-PF	33	15	2.52	1.1	170			
810-NLCV32T-470K	NLCV32T-470K-PF	47	15	2.52	1.64	150			
810-NLCV32T-101K	NLCV32T-101K-PF	100	15	0.796	3.7	100			
810-NLCV32T-151K	NLCV32T-151K-PF	150	20	0.796	6.1	85			
810-NLCV32T-221K	NLCV32T-221K-PF	220	20	0.796	8.4	70			
810-NLCV32T-331K	NLCV32T-331K-PF	330	20	0.796	12.3	60			



TDK SMD Power Inductors



VLFCF SERIES

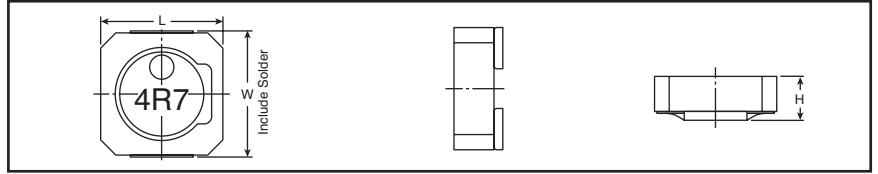
DIMENSIONS: mm



RoHS Compliant

Features:

- Miniature Size
- Magnetic Shielded
- Use in DC-DC converters



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Inductance (μH)	Current (A)	Tolerance	Test Freq. (KHz)	DC Resistance (Ω)	Case Size (LxWxH)	Price Each			
								1	10	100	500
810-VLFCF418T1R6N1R72	VLFCF4018T-1R6N1R7-2	1.6	1.7	±30%	100	0.051	4x4x1.8mm				
810-VLFCF418T3R3N1R22	VLFCF4018T-3R3N1R2-2	3.3	1.2	±30%	100	0.079	4x4x1.8mm				
810-VLFCF418T4R7N1R02	VLFCF4018T-4R7N1R0-2	4.7	1.0	±30%	100	0.101	4x4x1.8mm				
810-VLFCF418T6R8NR942	VLFCF4018T-6R8NR94-2	6.8	0.94	±30%	100	0.124	4x4x1.8mm				
810-VLFCF418T100MR742	VLFCF4018T-100MR74-2	10	0.74	±20%	100	0.188	4x4x1.8mm				
810-VLFCF418T150MR592	VLFCF4018T-150MR59-2	15	0.59	±20%	100	0.268	4x4x1.8mm				
810-VLFCF418T220MR492	VLFCF4018T-220MR49-2	22	0.49	±20%	100	0.369	4x4x1.8mm				
810-VLFCF418T330MR422	VLFCF4018T-330MR42-2	33	0.42	±20%	100	0.54	4x4x1.8mm				
810-VLFCF418T470MR342	VLFCF4018T-470MR34-2	47	0.34	±20%	100	0.76	4x4x1.8mm				
810-VLFCF4020T1R8N1R9	VLFCF4020T-1R8N1R9	1.8	1.9	±30%	100	0.051	4x4x2.0mm				
810-VLFCF4020T2R2N1R7	VLFCF4020T-2R2N1R7	2.2	1.7	±30%	100	0.059	4x4x2.0mm				
810-VLFCF4020T3R3N1R5	VLFCF4020T-3R3N1R5	3.3	1.5	±30%	100	0.078	4x4x2.0mm				
810-VLFCF4020T4R7N1R2	VLFCF4020T-4R7N1R2	4.7	1.2	±30%	100	0.098	4x4x2.0mm				
810-VLFCF4020T6R8N1R0	VLFCF4020T-6R8N1R0	6.8	1.0	±30%	100	0.131	4x4x2.0mm				
810-VLFCF4020T100MR85	VLFCF4020T-100MR85	10	0.85	±20%	100	0.185	4x4x2.0mm				
810-VLFCF4020T150MR68	VLFCF4020T-150MR68	15	0.68	±20%	100	0.303	4x4x2.0mm				
810-VLFCF4020T220MR56	VLFCF4020T-220MR56	22	0.56	±20%	100	0.431	4x4x2.0mm				
810-VLFCF4020T270MR48	VLFCF4020T-270MR48	27	0.48	±20%	100	0.496	4x4x2.0mm				
810-VLFCF4020T330MR47	VLFCF4020T-330MR47	33	0.47	±20%	100	0.628	4x4x2.0mm				
810-VLFCF4020T470MR39	VLFCF4020T-470MR39	47	0.39	±20%	100	0.934	4x4x2.0mm				
810-VLFCF4020T101MR26	VLFCF4020T-101MR26	100	0.26	±20%	100	1.4	4x4x2.0mm				
810-VLFCF5020T1R8N2R0	VLFCF5020T-1R8N2R0	1.8	2.0	±30%	100	0.059	5x5x2.0mm				
810-VLFCF520T2R2N2R61	VLFCF520T-2R2N2R6-1	2.2	2.6	±30%	100	0.071	5x5x2.0mm				
810-VLFCF5020T2R7N1R7	VLFCF5020T-2R7N1R7	2.7	1.7	±30%	100	0.071	5x5x2.0mm				
810-VLFCF520T2R7N2R21	VLFCF520T-2R7N2R2-1	2.7	2.2	±30%	100	0.083	5x5x2.0mm				
810-VLFCF5020T3R3N1R6	VLFCF5020T-3R3N1R6	3.3	1.6	±30%	100	0.083	5x5x2.0mm				
810-VLFCF520T3R3N2R01	VLFCF520T-3R3N2R0-1	3.3	2.0	±30%	100	0.096	5x5x2.0mm				
810-VLFCF5020T4R7N1R4	VLFCF5020T-4R7N1R4	4.7	1.4	±30%	100	0.096	5x5x2.0mm				
810-VLFCF520T4R7N1R71	VLFCF520T-4R7N1R7-1	4.7	1.7	±30%	100	0.122	5x5x2.0mm				
810-VLFCF5020T6R8N1R1	VLFCF5020T-6R8N1R1	6.8	1.1	±30%	100	0.122	5x5x2.0mm				
810-VLFCF520T6R8N1R31	VLFCF520T-6R8N1R3-1	6.8	1.3	±30%	100	0.165	5x5x2.0mm				
810-VLFCF5020T100MR87	VLFCF5020T-100MR87	10	0.87	±20%	100	0.182	5x5x2.0mm				
810-VLFCF520T100M1R11	VLFCF520T-100M1R1-1	10	1.1	±20%	100	0.237	5x5x2.0mm				
810-VLFCF5020T150MR71	VLFCF5020T-150MR71	15	0.71	±20%	100	0.256	5x5x2.0mm				
810-VLFCF520T150MR901	VLFCF520T-150MR90-1	15	0.90	±20%	100	0.35	5x5x2.0mm				
810-VLFCF5020T220MR58	VLFCF5020T-220MR58	22	0.58	±20%	100	0.373	5x5x2.0mm				
810-VLFCF520T220MR751	VLFCF520T-220MR75-1	22	0.75	±20%	100	0.496	5x5x2.0mm				
810-VLFCF5020T330MR48	VLFCF5020T-330MR48	33	0.48	±20%	100	0.522	5x5x2.0mm				
810-VLFCF520T330MR621	VLFCF520T-330MR62-1	33	0.62	±20%	100	0.717	5x5x2.0mm				
810-VLFCF5020T470MR40	VLFCF5020T-470MR40	47	0.40	±20%	100	0.748	5x5x2.0mm				
810-VLFCF520T470MR511	VLFCF520T-470MR51-1	47	0.51	±20%	100	1.05	5x5x2.0mm				
810-VLFCF5020T101MR27	VLFCF5020T-101MR27	100	0.27	±20%	100	1.581	5x5x2.0mm				

Inductors

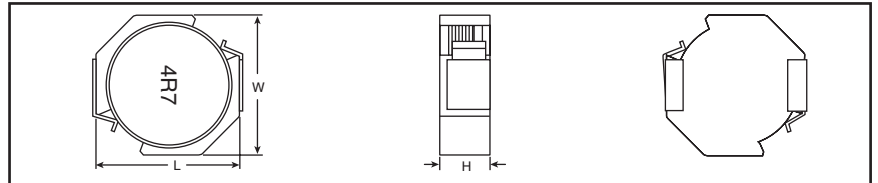
TDK

VLF SERIES

DIMENSIONS: mm

Features:

- Low Coil Resistance
- Excellent Shielding Effect
- Lead Free - RoHS Compliant
- Usable in mobile electronics



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Inductance (μH)	Current (A)	Tolerance	Test Freq. (KHz)	DC Resistance (Ω)	Case Size (LxWxH)	Price Each			
								1	10	100	500
810-VLF3010AT1R5N1R2	VLF3010AT-1R5N1R2	1.5	1.2	±30%	100	0.068	2.6x2.8x1.0mm				
810-VLF3010AT2R2M1R0	VLF3010AT-2R2M1R0	2.2	1.0	±20%	100	0.10	2.6x2.8x1.0mm				
810-VLF3010AT3R3MR87	VLF3010AT-3R3MR87	3.3	0.87	±20%	100	0.15	2.6x2.8x1.0mm				
810-VLF3010AT4R7MR70	VLF3010AT-4R7MR70	4.7	0.70	±20%	100	0.24	2.6x2.8x1.0mm				
810-VLF3010AT6R8MR61	VLF3010AT-6R8MR61	6.8	0.61	±20%	100	0.34	2.6x2.8x1.0mm				
810-VLF3010AT100MR49	VLF3010AT-100MR49	10	0.49	±20%	100	0.58	2.6x2.8x1.0mm				
810-VLF3010AT150MR40	VLF3010AT-150MR40	15	0.40	±20%	100	0.75	2.6x2.8x1.0mm				
810-VLF3010AT220MR33	VLF3010AT-220MR33	22	0.33	±20%	100	1.3	2.6x2.8x1.0mm				
810-VLF3012AT1R5N1R2	VLF3012AT-1R5N1R2	1.5	1.2	±30%	100	0.059	2.6x2.8x1.2mm				
810-VLF3012AT2R2M1R0	VLF3012AT-2R2M1R0	2.2	1.0	±20%	100	0.088	2.6x2.8x1.2mm				
810-VLF3012AT3R3MR87	VLF3012AT-3R3MR87	3.3	0.87	±20%	100	0.11	2.6x2.8x1.2mm				
810-VLF3012AT4R7MR74	VLF3012AT-4R7MR74	4.7	0.74	±20%	100	0.16	2.6x2.8x1.2mm				
810-VLF3012AT6R8MR59	VLF3012AT-6R8MR59	6.8	0.59	±20%	100	0.23	2.6x2.8x1.2mm				
810-VLF3012AT100MR49	VLF3012AT-100MR49	10	0.49	±20%	100	0.36	2.6x2.8x1.2mm				
810-VLF3012AT150MR41	VLF3012AT-150MR41	15	0.41	±20%	100	0.54	2.6x2.8x1.2mm				
810-VLF3012AT220MR33	VLF3012AT-220MR33	22	0.33	±20%	100	0.66	2.6x2.8x1.2mm				
810-VLF3012AT330MR27	VLF3012AT-330MR27	33	0.27	±20%	100	1.1	2.6x2.8x1.2mm				
810-VLF3012AT470MR22	VLF3012AT-470MR22	47	0.22	±20%	100	1.9	2.6x2.8x1.2mm				
810-VLF4012AT1R5M1R6	VLF4012AT-1R5M1R6	1.5	1.6	±20%	100	0.069	3.5x3.7x1.2mm				
810-VLF4012AT2R2M1R5	VLF4012AT-2R2M1R5	2.2	1.5	±20%	100	0.076	3.5x3.7x1.2mm				
810-VLF4012AT3R3M1R3	VLF4012AT-3R3M1R3	3.3	1.3	±20%	100	0.10	3.5x3.7x1.2mm				
810-VLF4012AT4R7M1R1	VLF4012AT-4R7M1R1	4.7	1.1	±20%	100	0.14	3.5x3.7x1.2mm				
810-VLF4012AT6R8MR96	VLF4012AT-6R8MR96	6.8	0.96	±20%	100	0.20	3.5x3.7x1.2mm				
810-VLF4012AT100MR79	VLF4012AT-100MR79	10	0.79	±20%	100	0.30	3.5x3.7x1.2mm				
810-VLF4012AT150MR63	VLF4012AT-150MR63	15	0.63	±20%	100	0.46	3.5x3.7x1.2mm				
810-VLF4012AT220MR51	VLF4012AT-220MR51	22	0.51	±20%	100	0.71	3.5x3.7x1.2mm				
810-VLF4012AT330MR39	VLF4012AT-330MR39	33	0.39	±20%	100	1.2	3.5x3.7x1.2mm				
810-VLF4012AT470MR30	VLF4012AT-470MR30	47	0.30	±20%	100	2.0	3.5x3.7x1.2mm				
810-VLF5014AT4R7M1R1	VLF5014AT-4R7M1R1	4.7	1.1	±20%	100	0.12	4.5x4.7x1.4mm				
810-VLF5014AT6R8MR99	VLF5014AT-6R8MR99	6.8	0.99	±20%	100	0.16	4.5x4.7x1.4mm				
810-VLF5014AT100MR92	VLF5014AT-100MR92	10	0.92	±20%	100	0.19	4.5x4.7x1.4mm				
810-VLF5014AT150MR76	VLF5014AT-150MR76	15	0.76	±20%	100	0.28	4.5x4.7x1.4mm				

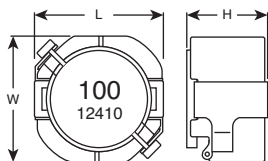
TDK SMD Power Inductors



RoHS Compliant This product is RoHS compliant.

CLF SERIES

- Features:**
- Miniature Size
 - Magnetic Shielded
 - Use in DC-DC converters
 - Test Frequency: 100kHz
 - Tolerance: 0.3nH
 - Operating Temperature: -40°C to +105°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Inductance (μH)	Current (A)	DC Resistance (Ω)	Price Each		
					1	100	500
810-CLF6045T-221M	CLF6045T-221M	220	0.41	780m			
810-CLF6045T-331M	CLF6045T-331M	330	0.35	970m			
810-CLF6045T-471M	CLF6045T-471M	470	0.3	1.42			
810-CLF7045T-470M	CLF7045T-470M	47	1.3	0.15			
810-CLF7045T-680M	CLF7045T-680M	68	1.1	0.21			
810-CLF7045T-101M	CLF7045T-101M	100	0.9	0.33			
810-CLF7045T-151M	CLF7045T-151M	150	0.67	0.48			
810-CLF7045T-221M	CLF7045T-221M	220	0.62	0.66			
810-CLF7045T-331M	CLF7045T-331M	330	0.49	1.03			
810-CLF7045T-471M	CLF7045T-471M	470	0.43	1.42			
810-CLF10040T-330M	CLF10040T-330M	33	2.2	80m			
810-CLF10040T-470M	CLF10040T-470M	47	1.9	125m			
810-CLF10040T-680M	CLF10040T-680M	68	1.6	0.18			
810-CLF10040T-101M	CLF10040T-101M	100	1.3	0.24			
810-CLF10040T-151M	CLF10040T-151M	150	1	0.38			
810-CLF10040T-221M	CLF10040T-221M	220	0.88	0.52			
810-CLF10040T-331M	CLF10040T-331M	330	0.7	0.86			
810-CLF10040T-471M	CLF10040T-471M	470	0.56	1.21			
810-CLF12555T-1R5N	CLF12555T-1R5N	1.5	16.4	7.3m			
810-CLF12555T-2R2N	CLF12555T-2R2N	2.2	13.1	8.8m			
810-CLF12555T-3R3N	CLF12555T-3R3N	3.3	11.4	10.3m			
810-CLF12555T-4R7N	CLF12555T-4R7N	4.7	9.6	11.7m			
810-CLF12555T-6R8N	CLF12555T-6R8N	6.8	8	15m			
810-CLF12555T-100M	CLF12555T-100M	10	6.7	21m			
810-CLF12555T-150M	CLF12555T-150M	15	5.4	31m			
810-CLF12555T-220M	CLF12555T-220M	22	4.8	43m			
810-CLF12555T-330M	CLF12555T-330M	33	4	67m			
810-CLF12555T-470M	CLF12555T-470M	47	3.2	100m			
810-CLF12555T-680M	CLF12555T-680M	68	2.6	125m			
810-CLF12555T-101M	CLF12555T-101M	100	2.1	190m			
810-CLF12555T-151M	CLF12555T-151M	150	1.8	260m			
810-CLF12555T-221M	CLF12555T-221M	220	1.5	370m			
810-CLF12555T-331M	CLF12555T-331M	330	1.2	560m			
810-CLF12555T-471M	CLF12555T-471M	470	1	795m			

DIMENSIONS: mm

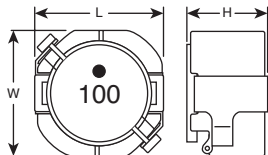
Series	L	W	H
CLF6045	6.2	5.9	4.5
CLF7045	7.2	6.9	4.5
CLF1004	10.0	9.7	3.8
CLF1255	12.5	12.1	5.5

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Inductance (μH)	Current (A)	DC Resistance (Ω)	Price Each		
					1	100	500
810-CLF6045T-1R0N	CLF6045T-1R0N	1	5	11m			
810-CLF6045T-1R5N	CLF6045T-1R5N	1.5	4.4	13m			
810-CLF6045T-2R2N	CLF6045T-2R2N	2.2	3.9	15m			
810-CLF6045T-3R3N	CLF6045T-3R3N	3.3	3.1	19m			
810-CLF6045T-4R7N	CLF6045T-4R7N	4.7	2.5	23m			
810-CLF6045T-6R8N	CLF6045T-6R8N	6.8	2.2	27m			
810-CLF6045T-100M	CLF6045T-100M	10	1.7	38m			
810-CLF6045T-150M	CLF6045T-150M	15	1.5	55m			
810-CLF6045T-220M	CLF6045T-220M	22	1.3	78m			
810-CLF6045T-330M	CLF6045T-330M	33	1.07	103m			
810-CLF6045T-470M	CLF6045T-470M	47	0.9	130m			
810-CLF6045T-680M	CLF6045T-680M	68	0.79	215m			
810-CLF6045T-101M	CLF6045T-101M	100	0.64	340m			
810-CLF6045T-151M	CLF6045T-151M	150	0.5	480m			

CLF-D SERIES

- Features:**
- Miniature Size
 - Magnetic Shielded
 - Test Frequency: 100kHz
 - Tolerance: 0.3nH
 - Operating Temperature: -40°C to +105°C



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Inductance (μH)	Current (A)	DC Resistance (Ω)	Price Each		
					1	100	500
810-CLF7045T-220M-D	CLF7045T-220M-D	22	1.9	69m			
810-CLF7045T-330M-D	CLF7045T-330M-D	33	1.55	0.11			
810-CLF7045T-470M-D	CLF7045T-470M-D	47	1.3	0.15			
810-CLF7045T-680M-D	CLF7045T-680M-D	68	1.1	0.21			
810-CLF7045T-101M-D	CLF7045T-101M-D	100	0.9	0.33			
810-CLF7045T-151M-D	CLF7045T-151M-D	150	0.67	0.48			
810-CLF7045T-221M-D	CLF7045T-221M-D	220	0.62	0.66			
810-CLF7045T-331M-D	CLF7045T-331M-D	330	0.49	1.03			
810-CLF7045T-471M-D	CLF7045T-471M-D	470	0.43	1.42			
810-CLF10040T-1R0N-D	CLF10040T-1R0N-D	1	12	5.7m			
810-CLF10040T-1R5N-D	CLF10040T-1R5N-D	1.5	10.6	7.1m			
810-CLF10040T-2R2N-D	CLF10040T-2R2N-D	2.2	7.5	9.7m			
810-CLF10040T-3R3N-D	CLF10040T-3R3N-D	3.3	6.6	11m			
810-CLF10040T-4R7N-D	CLF10040T-4R7N-D	4.7	5.4	14.5m			
810-CLF10040T-6R8N-D	CLF10040T-6R8N-D	6.8	4.8	18.5m			
810-CLF10040T-100M-D	CLF10040T-100M-D	10	4	26m			
810-CLF10040T-150M-D	CLF10040T-150M-D	15	3.2	40m			
810-CLF10040T-220M-D	CLF10040T-220M-D	22	2.7	55m			
810-CLF10040T-330M-D	CLF10040T-330M-D	33	2.2	80m			
810-CLF10040T-470M-D	CLF10040T-470M-D	47	1.9	125m			
810-CLF10040T-680M-D	CLF10040T-680M-D	68	1.6	0.18			
810-CLF10040T-101M-D	CLF10040T-101M-D	100	1.3	0.24			
810-CLF10040T-151M-D	CLF10040T-151M-D	150	1	0.38			
810-CLF10040T-221M-D	CLF10040T-221M-D	220	0.88	0.52			
810-CLF10040T-331M-D	CLF10040T-331M-D	330	0.7	0.86			
810-CLF10040T-471M-D	CLF10040T-471M-D	470	0.56	1.21			
810-CLF12555T-1R0N-D	CLF12555T-1R0N-D	1	20	5.8m			
810-CLF12555T-1R5N-D	CLF12555T-1R5N-D	1.5	16.4	7.3m			
810-CLF12555T-2R2N-D	CLF12555T-2R2N-D	2.2	13.1	8.8m			
810-CLF12555T-3R3N-D	CLF12555T-3R3N-D	3.3	11.4	10.3m			
810-CLF12555T-4R7N-D	CLF12555T-4R7N-D	4.7	9.6	11.7m			
810-CLF12555T-6R8N-D	CLF12555T-6R8N-D	6.8	8	15m			
810-CLF12555T-100M-D	CLF12555T-100M-D	10	6.7	21m			
810-CLF12555T-150M-D	CLF12555T-150M-D	15	5.4	31m			
810-CLF12555T-220M-D	CLF12555T-220M-D	22	4.8	43m			
810-CLF12555T-330M-D	CLF12555T-330M-D	33	4	67m			
810-CLF12555T-470M-D	CLF12555T-470M-D	47	3.2	100m			
810-CLF12555T-680M-D	CLF12555T-680M-D	68	2.6	125m			
810-CLF12555T-101M-D	CLF12555T-101M-D	100	2.1	190m			
810-CLF12555T-151M-D	CLF12555T-151M-D	150	1.8	260m			
810-CLF12555T-221M-D	CLF12555T-221M-D	220	1.5	370m			
810-CLF12555T-331M-D	CLF12555T-331M-D	330	1.2	560m			
810-CLF12555T-471M-D	CLF12555T-471M-D	470	1	795m			

DIMENSIONS: mm

Series	L	W	H
CLF6045-D	6.2	5.9	4.5
CLF7045-D	7.2	6.9	4.5
CLF1004-D	10.0	9.7	3.8
CLF1255-D	12.5	12.1	5.5

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Inductance (μH)	Current (A)	DC Resistance (Ω)	Price Each		
					1	100	500
810-CLF6045T-1R0N-D	CLF6045T-1R0N-D	1	5	11m			
810-CLF6045T-1R5N-D	CLF6045T-1R5N-D	1.5	4.4	13m			
810-CLF6045T-2R2N-D	CLF6045T-2R2N-D	2.2	3.9	15m			
810-CLF6045T-3R3N-D	CLF6045T-3R3N-D	3.3	3.1	19m			
810-CLF6045T-4R7N-D	CLF6045T-4R7N-D	4.7	2.5	23m			
810-CLF6045T-6R8N-D	CLF6045T-6R8N-D	6.8	2.2	27m			
810-CLF6045T-100M-D	CLF6045T-100M-D	10	1.7	38m			
810-CLF6045T-150M-D	CLF6045T-150M-D	15	1.5	55m			
810-CLF6045T-220M-D	CLF6045T-220M-D	22	1.3	78m			
810-CLF6045T-330M-D	CLF6045T-330M-D	33	1.07	103m			
810-CLF6045T-470M-D	CLF6045T-470M-D	47	0.9	130m			
810-CLF6045T-680M-D	CLF6045T-680M-D	68	0.79	215m			
810-CLF6045T-101M-D	CLF6045T-101M-D	100	0.64	340m			
810-CLF6045T-151M-D	CLF6045T-151M-D	150	0.5	480m			
810-CLF6045T-221M-D	CLF6045T-221M-D	220	0.41	780m			
810-CLF6045T-331M-D	CLF6045T-331M-D	330	0.35	970m			
810-CLF6045T-471M-D	CLF6045T-471M-D	470	0.3	1.42			
810-CLF7045T-1R0N-D	CLF7045T-1R0N-D	1	8.9	9.6m			
810-CLF7045T-1R5N-D	CLF7045T-1R5N-D	1.5	7.3	11m			
810-CLF7045T-2R2N-D	CLF7045T-2R2N-D	2.2	5.5	14.6m			
810-CLF7045T-3R3N-D	CLF7045T-3R3N-D	3.3	5	16.4m			
810-CLF7045T-4R7N-D	CLF7045T-4R7N-D	4.7	4.1	20m			
810-CLF7045T-6R8N-D	CLF7045T-6R8N-D	6.8	3.3	27m			
810-CLF7045T-100M-D	CLF7045T-100M-D	10	2.7	38m			
810-CLF7045T-150M-D	CLF7045T-150M-D	15	2.3	51m			

TDK Shielded Power Inductors



NEW FROM TDK

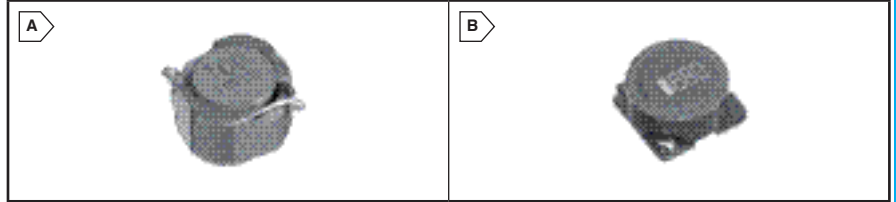
LGJ SERIES HIGH RELIABILITY

TDK's new series of High Reliability Power Inductors are qualified to AEC-Q200 and MIL-PRF. There is an anti-counterfeit verification system for these parts with optional RDIF inventory tracking available.

Applications:

- Smart meters
- Solar micro-inverters
- Industrial
- Military
- Medical

This page of products RoHS compliant.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Fig.	Inductance (μH)	Max. DC Current (A)	Tol. (±)	Test Freq. (KHz)	DCR (Ω) max.	Case Size (LxWxH)	Max. Temp. (°C)	Price Each			
										1	50	100	1000
810-LGJ7045TC1R0ND	LGJ7045TC-1R0N-D	A	1.0	-	30%	100	9.6	7x7x4.5	150				
810-LGJ7045TC1R5ND	LGJ7045TC-1R5N-D	A	1.5	-	30%	100	11	7x7x4.5	150				
810-LGJ7045TC2R2ND	LGJ7045TC-2R2N-D	A	2.2	-	30%	100	14.6	7x7x4.5	150				
810-LGJ7045TC3R3ND	LGJ7045TC-3R3N-D	A	3.3	-	30%	100	16.4	7x7x4.5	150				
810-LGJ7045TC4R7ND	LGJ7045TC-4R7N-D	A	4.7	-	30%	100	20	7x7x4.5	150				
810-LGJ7045TC6R8ND	LGJ7045TC-6R8N-D	A	6.8	-	30%	100	27	7x7x4.5	150				
810-LGJ7045TC100MD	LGJ7045TC-100M-D	A	10	-	20%	100	38	7x7x4.5	150				
810-LGJ7045TC150MD	LGJ7045TC-150M-D	A	15	-	20%	100	51	7x7x4.5	150				
810-LGJ7045TC220MD	LGJ7045TC-220M-D	A	22	-	20%	100	69	7x7x4.5	150				
810-LGJ7045TC330MD	LGJ7045TC-330M-D	A	33	-	20%	100	0.11	7x7x4.5	150				
810-LGJ7045TC470MD	LGJ7045TC-470M-D	A	47	-	20%	100	0.15	7x7x4.5	150				
810-LGJ7045TC680MD	LGJ7045TC-680M-D	A	68	-	20%	100	0.21	7x7x4.5	150				
810-LGJ7045TC101MD	LGJ7045TC-101M-D	A	100	-	20%	100	0.33	7x7x4.5	150				
810-LGJ7045TC151MD	LGJ7045TC-151M-D	A	150	-	20%	100	0.48	7x7x4.5	150				
810-LGJ7045TC221MD	LGJ7045TC-221M-D	A	220	-	20%	100	0.66	7x7x4.5	150				
810-LGJ7045TC331MD	LGJ7045TC-331M-D	A	330	-	20%	100	1.03	7x7x4.5	150				
810-LGJ7045TC471MD	LGJ7045TC-471M-D	A	470	-	20%	100	1.42	7x7x4.5	150				
810-LGJ101453R3N3R7H	LGJ10145TS-3R3N3R7-H	B	3.3	3.7	20%	1	16.1	10.1x10.1x4.5	125				
810-LGJ101455R6M3R2H	LGJ10145TS-5R6M3R2-H	B	5.6	3.2	20%	1	22	10.1x10.1x4.5	125				
810-LGJ10145100M2R5H	LGJ10145TS-100M2R5-H	B	10	2.5	20%	1	36.4	10.1x10.1x4.5	125				
810-LGJ10145150M2R2H	LGJ10145TS-150M2R2-H	B	15	2.2	20%	1	47.2	10.1x10.1x4.5	125				
810-LGJ10145220M1R9H	LGJ10145TS-220M1R9-H	B	22	1.9	20%	1	59.1	10.1x10.1x4.5	125				
810-LGJ10145330M1R6H	LGJ10145TS-330M1R6-H	B	33	1.6	20%	1	81.5	10.1x10.1x4.5	125				
810-LGJ10145470M1R4H	LGJ10145TS-470M1R4-H	B	47	1.4	20%	1	0.1	10.1x10.1x4.5	125				
810-LGJ10145680M1R2H	LGJ10145TS-680M1R2-H	B	68	1.2	20%	1	0.14	10.1x10.1x4.5	125				
810-LGJ10145101M1R0H	LGJ10145TS-101M1R0-H	B	100	1	20%	1	0.2	10.1x10.1x4.5	125				
810-LGJ10145151MR79H	LGJ10145TS-151MR79-H	B	150	0.79	20%	1	0.35	10.1x10.1x4.5	125				
810-LGJ10145221MR65H	LGJ10145TS-221MR65-H	B	220	0.65	20%	1	0.47	10.1x10.1x4.5	125				
810-LGJ10145331MR54H	LGJ10145TS-331MR54-H	B	330	0.54	20%	1	0.68	10.1x10.1x4.5	125				
810-LGJ10145471MR47H	LGJ10145TS-471MR47-H	B	470	0.47	20%	1	1.03	10.1x10.1x4.5	125				
810-LGJ10145681MR38H	LGJ10145TS-681MR38-H	B	680	0.38	20%	1	1.6	10.1x10.1x4.5	125				
810-LGJ10145102MR29H	LGJ10145TS-102MR29-H	B	1000	0.29	20%	1	2.8	10.1x10.1x4.5	125				
810-LGJ10145152MR22H	LGJ10145TS-152MR22-H	B	1500	0.22	20%	1	3.4	10.1x10.1x4.5	125				
810-LGJ125652R0N6R2H	LGJ12565TS-2R0N6R2-H	B	2.0	6.2	30%	1	8	12.5x12.5x6.5	125				
810-LGJ125654R2N5R5H	LGJ12565TS-4R2N5R5-H	B	4.2	5.5	30%	1	11.2	12.5x12.5x6.5	125				
810-LGJ125657R0N5R0H	LGJ12565TS-7R0N5R0-H	B	7.0	5	30%	1	17.7	12.5x12.5x6.5	125				
810-LGJ12565100M4R8H	LGJ12565TS-100M4R8-H	B	10	4.8	20%	1	20.2	12.5x12.5x6.5	125				
810-LGJ12565150M4R2H	LGJ12565TS-150M4R2-H	B	15	4.2	20%	1	23.7	12.5x12.5x6.5	125				
810-LGJ12565220M3R5H	LGJ12565TS-220M3R5-H	B	22	3.5	20%	1	31.6	12.5x12.5x6.5	125				
810-LGJ12565330M2R8H	LGJ12565TS-330M2R8-H	B	33	2.8	20%	1	40.6	12.5x12.5x6.5	125				
810-LGJ12565470M2R4H	LGJ12565TS-470M2R4-H	B	47	2.4	20%	1	57.8	12.5x12.5x6.5	125				
810-LGJ12565680M2R0H	LGJ12565TS-680M2R0-H	B	68	2	20%	1	78.7	12.5x12.5x6.5	125				
810-LGJ12565101M1R6H	LGJ12565TS-101M1R6-H	B	100	1.6	20%	1	0.123	12.5x12.5x6.5	125				
810-LGJ12565151M1R3H	LGJ12565TS-151M1R3-H	B	150	1.3	20%	1	0.212	12.5x12.5x6.5	125				
810-LGJ12565221M1R0H	LGJ12565TS-221M1R0-H	B	220	1	20%	1	0.273	12.5x12.5x6.5	125				
810-LGJ12565331MR87H	LGJ12565TS-331MR87-H	B	330	0.87	20%	1	0.494	12.5x12.5x6.5	125				
810-LGJ12565471MR70H	LGJ12565TS-471MR70-H	B	470	0.7	20%	1	0.77	12.5x12.5x6.5	125				
810-LGJ12565102MR45H	LGJ12565TS-102MR45-H	B	1000	0.45	20%	1	1.68	12.5x12.5x6.5	125				
810-LGJ12565152MR37H	LGJ12565TS-152MR37-H	B	1500	0.37	20%	1	2.8	12.5x12.5x6.5	125				
810-LGJ125751R2N8R2H	LGJ12575TS-1R2N8R2-H	B	1.2	8.2	30%	1	5.1	12.5x12.5x7.5	125				
810-LGJ125752R7N7R0H	LGJ12575TS-2R7N7R0-H	B	2.7	7	30%	1	7.4	12.5x12.5x7.5	125				
810-LGJ125753R9N6R7H	LGJ12575TS-3R9N6R7-H	B	3.9	6.7	30%	1	10.4	12.5x12.5x7.5	125				
810-LGJ125755R6N6R3H	LGJ12575TS-5R6N6R3-H	B	5.6	6.3	30%	1	11.6	12.5x12.5x7.5	125				
810-LGJ125756R8N5R9H	LGJ12575TS-6R8N5R9-H	B	6.8	5.9	30%	1	13.1	12.5x12.5x7.5	125				
810-LGJ12575100M5R4H	LGJ12575TS-100M5R4-H	B	10	5.4	20%	1	15.6	12.5x12.5x7.5	125				
810-LGJ12575150M4R7H	LGJ12575TS-150M4R7-H	B	15	4.7	20%	1	18.4	12.5x12.5x7.5	125				
810-LGJ12575220M4R0H	LGJ12575TS-220M4R0-H	B	22	4	20%	1	26.3	12.5x12.5x7.5	125				
810-LGJ12575330M3R2H	LGJ12575TS-330M3R2-H	B	33	3.2	20%	1	39.5	12.5x12.5x7.5	125				
810-LGJ12575470M2R7H	LGJ12575TS-470M2R7-H	B	47	2.7	20%	1	52.8	12.5x12.5x7.5	125				
810-LGJ12575680M2R0H	LGJ12575TS-680M2R0-H	B	68	2	20%	1	77.8	12.5x12.5x7.5	125				
810-LGJ12575101M1R9H	LGJ12575TS-101M1R9-H	B	100	1.9	20%	1	0.125	12.5x12.5x7.5	125				
810-LGJ12575151M1R5H	LGJ12575TS-151M1R5-H	B	150	1.5	20%	1	0.175	12.5x12.5x7.5	125				
810-LGJ12575221M1R3H	LGJ12575TS-221M1R3-H	B	220	1.3	20%	1	0.258	12.5x12.5x7.5	125				
810-LGJ12575331M1R0H	LGJ12575TS-331M1R0-H	B	330	1	20%	1	0.34	12.5x12.5x7.5	125				
810-LGJ12575471MR80H	LGJ12575TS-471MR80-H	B	470	0.8	20%	1	0.6	12.5x12.5x7.5	125				
810-LGJ745TS3R3M2R2H	LGJ7045TS-3R3M2R2-H	B	3.3	2.2	20%	100	0.028	7x7x4.5	125				
810-LGJ745TS4R7M2R1H	LGJ7045TS-4R7M2R1-H	B	4.7	2.1	20%	100	0.031	7x7x4.5	125				
810-LGJ745TS6R8M1R9H	LGJ7045TS-6R8M1R9-H	B	6.8	1.9	20%	100	0.039	7x7x4.5	125				
810-LGJ745TS100M1R8H	LGJ7045TS-100M1R8-H	B	10	1.8	20%	100	0.047	7x7x4.5	125				
810-LGJ745TS150M1R5H	LGJ7045TS-150M1R5-H	B	15	1.5	20%	100	0.068	7x7x4.5	125				
810-LGJ745TS220M1R3H	LGJ7045TS-220M1R3-H	B	22	1.3	20%	100	0.082	7x7x4.5	125				
810-LGJ745TS330M1R1H	LGJ7045TS-330M1R1-H	B	33	1.1	20%	100	0.12	7x7x4.5	125				
810-LGJ745TS470MR90H	LGJ7045TS-470MR90-H	B	47	0.9	20%	100	0.18	7x7x4.5	125				
810-LGJ745TS680MR75H	LGJ7045TS-680MR75-H	B	68	0.75	20%	100	0.27	7x7x4.5	125				
810-LGJ745TS101MR60H	LGJ7045TS-101MR60-H	B	100	0.6	20%	100	0.39	7x7x4.5	125				
810-LGJ745TS151MR50H	LGJ7045TS-151MR50-H	B	150	0.5	20%	100	0.55	7x7x4.5	125				
810-LGJ745TS221MR40H	LGJ7045TS-221MR40-H	B	220	0.4	20%	100	0.83	7x7x4.5	125				
810-LGJ745TS331MR35H	LGJ7045TS-331MR35-H	B	330	0.35	20%	100	1.15	7x7x4.5	125				
810-LGJ745TS471MR31H	LGJ7045TS-471MR31-H	B	470	0.31	20%	100	1.8	7x7x4.5	125				

Inductors

TDK

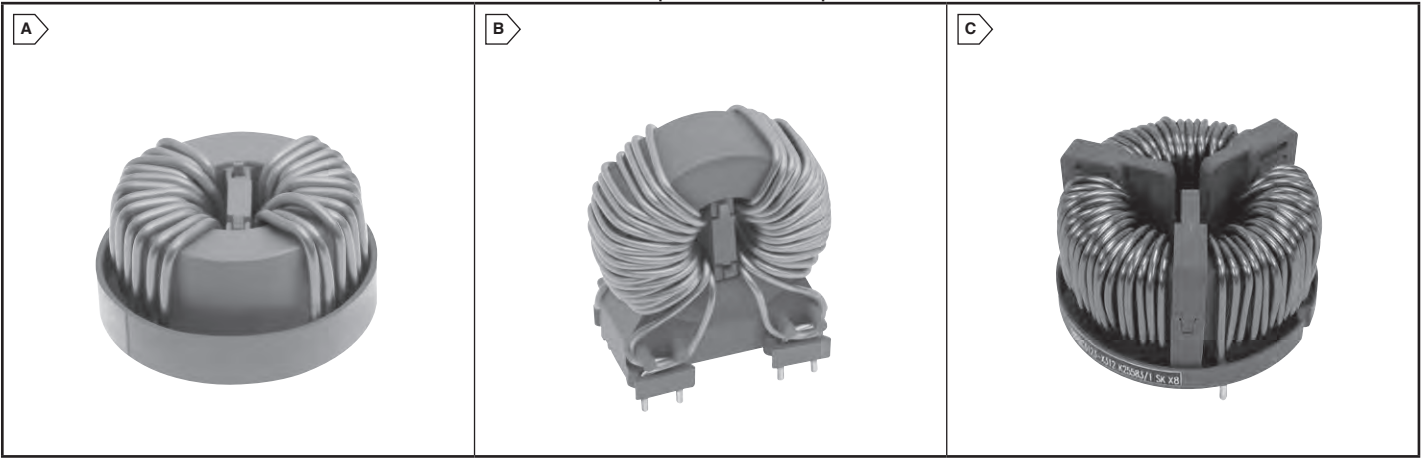
NEW FROM TDK

NEW FROM TDK

VACUUMSCHMELZE Common Mode Chokes



RoHS Compliant This product is RoHS compliant.



VAC VITROPERM® COMMON MODE CHOKES

T60405 Series

Features:

- Small size
- Suitable for high currents and/or high voltages
- Single stage filter designs possible
- High efficiency, low power loss
- "Green", environmentally friendly
- Suitable for high and low ambient temperatures and high operating temperatures
- Easy filter design
- UL-compliant designs
- Optimized solutions for a variety of different applications
- No operating noise
- Best suited for winding of thick wires

Applications:

- Switched-mode power supplies (SMPS)
- Solar inverters
- Frequency converters
- EMC filters
- Welding equipment
- Wind generators
- Induction hobs
- Automotive applications
- Uninterruptible power supplies (UPS)

Specifications:

- Core Material: Plastic
- Operating Temp. Range: - 40°C to + 130°C

1-Phase

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vacuumschmelze Part No.	Fig.	Impedance M (Ω)	Max. DC Current (mA)	SRF (MHz)	Dimensions: mm (DxL)	Price Each		
							1	25	100
983-T60405-R6123X248	T60405-R6123-X248	A	0.75	110	6.7	52x32			
983-T60405-R6128X225	T60405-R6128-X225	B	1.9	50	4.9	42x27			
983-T60405-R6128X230	T60405-R6128-X230	B	2.3	65	3.3	52x27			
983-T60405-R6128X031	T60405-R6128-X031	B	2.3	65	4	51x50			
983-T60405-R6123X221	T60405-R6123-X221	A	2.9	35	5.7	43x24			
983-T60405-R6123X220	T60405-R6123-X220	A	3.2	40	11.5	35x23.5			
983-T60405-R6123X227	T60405-R6123-X227	A	3.5	55	2.4	52x32			
983-T60405-R6166X039	T60405-R6166-X039	B	3.9	60	3.3	36x38			
983-T60405-R6166X033	T60405-R6166-X033	B	4.6	35	1	38x38			
983-T60405-R6123X616	T60405-R6123-X616	A	5.7	37	3	40x24			
983-T60405-R6123X213	T60405-R6123-X213	A	8.8	20	7	35x25			
983-T60405-R6166X210	T60405-R6166-X210	B	12.7	16	0.7	35x37			
983-T60405-R6166X208	T60405-R6166-X208	B	19.1	20	0.5	35x36.5			
983-T60405-R6131X204	T60405-R6131-X204	B	27.5	12	1.2	22x25			
983-T60405-R6161X504	T60405-R6161-X504	B	36	18	0.4	27x29			
983-T60405-R6166X206	T60405-R6166-X206	B	37.6	14	0.25	35x37			

3-Phase

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vacuumschmelze Part No.	Fig.	Impedance M (Ω)	Max. DC Current (mA)	SRF (MHz)	Dimensions: mm (DxL)	Price Each		
							1	25	100
983-T60405-S6123X363	T60405-S6123-X363	C	0.72	190	1	70x42			
983-T60405-S6123X140	T60405-S6123-X140	C	1.2	100	4	52x33			
983-T60405-S6123X332	T60405-S6123-X332	C	1.4	480	4.9	59x33			
983-T60405-S6123X326	T60405-S6123-X326	C	2.1	60	2	51.5x32			
983-T60405-S6123X321	T60405-S6123-X321	C	2.8	55	2.3	52x34			
983-T60405-S6123X317	T60405-S6123-X317	C	5.9	35	1.45	51.5x34			
983-T60405-S6123X308	T60405-S6123-X308	C	8.5	40	0.8	42x32			
983-T60405-S6123X306	T60405-S6123-X306	C	24.6	27	0.24	40.5x32.5			

VISHAY/DALE Axial Lead



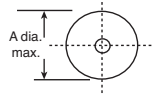
VISHAY IHD FILTER INDUCTORS-HIGH CURRENT

Electrical Specifications:

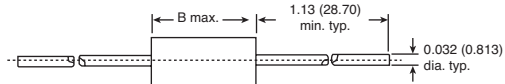
- Inductance: measured at 1V with no DC current
- Operating Temperature: -55°C to +125°C (no Load)
- 55°C to +85°C (at full rated current)
- Tolerance: 15%

Mechanical Specifications:

- Wire: solid soft copper
- Terminals: 20 AWG tinned copper leads
- Coating: polyolefin tubing
- Core Material: ferrite



Model	A (max.)	B (max.)
IHD-1	0.270 (6.85)	0.7 (17.78)
IHD-3	0.46 (11.68)	0.9 (22.86)



DIMENSIONS: in. (mm)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR (Ω)	Rated Current (max. Amps)	Price Each			
					1	25	50	100
70-IHD1-5.6	IHD1BH5R6L	5.6	0.024	3.2				
70-IHD1-47	IHD1BH470L	47	0.104	1.6				
70-IHD1-220	IHD1BH221L	220	0.505	0.70				
70-IHD1-330	IHD1BH331L	330	0.650	0.62				
70-IHD1-1K	IHD1BH102L	1K	2.300	0.33				
70-IHD3-220	IHD3BH221L	220	0.162	1.6				
70-IHD3-330	IHD3BH331L	330	0.257	1.6				
70-IHD3-1K	IHD3BH102L	1K	0.844	0.80				
70-IHD3-1.5K	IHD3BH152L	1.5K	1.180	0.60				

VISHAY IH HIGH CURRENT FILTER INDUCTORS

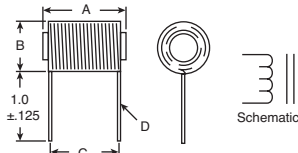
Features:

- Printed circuit mounting
- Pre-tinned leads
- Protected by polyolefin tubing

Specifications:

- Tolerance: ±10%
- Inductance: measured at 1V with no DC current
- Operating temperature: -55°C to +75°C @ rated current

DIMENSIONS: in.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR max. (Ω)	Rated Current (A)	Dimensions: in.				Price Each		
					A max.	B max.	C±.062	D±.005	1	10	25
70-IH-3-5	IH03BQ5R0K	5	0.015	10	.875	.60	.50	.042			
70-IH-3-10	IH03BQ100K	10	0.018	9	1.125	.625	.687	.042			
70-IH-3-27	IH03BQ270K	27	0.035	7	.875	.80	.437	.042			
70-IH-3-50	IH03BQ500K	50	0.05	5.6	.875	.80	.75	.042			
70-IH-3-100	IH03BQ101K	100	0.065	5.2	1.125	.80	.937	.042			
70-IH-3-150	IH03BQ151K	150	0.075	5	1.375	.80	1.062	.042			
70-IH-3-250	IH03BQ251K	250	0.09	5	1.625	.80	1.312	.042			
70-IH-5-5	IH05BQ5R0K	5	0.012	14	.875	.625	.75	.053			
70-IH-5-10	IH05BQ100K	10	0.015	12	1.125	.625	1.00	.053			
70-IH-5-50	IH05BQ500K	50	0.03	8	1.125	.84	.75	.053			
70-IH-5-100	IH05BQ101K	100	0.05	7.5	1.375	.86	1.00	.053			
70-IH-10-10	IH10BQ100K	10	0.012	16	1.375	.635	1.218	.065			
70-IH-10-27	IH10BQ270K	27	0.018	12.5	1.125	.935	.687	.065			
70-IH-10-100	IH10BQ101K	100	0.03	10	1.625	.935	1.312	.065			
70-IH-15-27	IH15BQ270K	27	0.015	16	1.375	1.00	.937	.082			

VISHAY IHA HIGH CURRENT FILTER INDUCTORS

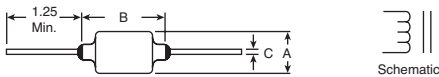
Features:

- Printed circuit mounting (axial leads)
- Pre-tinned leads
- Designed for use with switching power supplies
- Protected by polyolefin sleeve

Specifications:

- Tolerance: ±10%
- Inductance: measured at 1V with no DC current
- Current rating: maximum continuous operating current (DC or RMS) based on 50°C temperature rise
- Operating temperature: -55°C to +75°C @ rated current

DIMENSIONS: in.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR max. (Ω)	Rated Current (A)	Dimensions: in.			Price Each		
					A max.	B max.	C±.002	1	10	25
70-IHA-101	IHA101BA	50	0.12	2.5	.475	.80	.032			
70-IHA-102	IHA102BA	100	0.16	2.1	.475	.80	.032			
70-IHA-103	IHA103BA	250	0.28	1.8	.475	1.05	.032			
70-IHA-104	IHA104BA	500	0.42	1.6	.55	1.05	.032			
70-IHA-105	IHA105BA	1000	0.6	1.4	.55	1.175	.032			
70-IHA-201	IHA201BA	27	0.06	3.7	.50	.80	.032			
70-IHA-202	IHA202BA	50	0.085	3.1	.50	.80	.032			
70-IHA-203	IHA203BA	100	0.12	2.7	.50	.92	.032			
70-IHA-204	IHA204BA	250	0.2	2.4	.60	.92	.032			
70-IHA-205	IHA205BA	500	0.32	2.3	.75	1.05	.032			
70-IHA-301	IHA301BA	5	0.015	6.8	.475	.80	.032			
70-IHA-302	IHA302BA	10	0.021	6.1	.475	.92	.032			
70-IHA-303	IHA303BA	27	0.04	4.8	.55	.80	.032			
70-IHA-304	IHA304BA	50	0.05	4.3	.55	.92	.032			
70-IHA-305	IHA305BA	100	0.07	4.2	.55	1.175	.032			
70-IHA-502	IHA502BA	10	0.015	8.3	.475	1.05	.04			
70-IHA-505	IHA505BA	100	0.06	5.9	.70	1.3	.04			

VISHAY IMS-5 INDUCTORS - MOLDED, SHIELDED TYPE LT AND COMMERCIAL

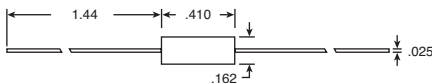
Specifications:

- Meets MIL spec.: MIL-C-15305
- Insulation resistance: 1000MΩ
- Dielectric strength: 1000VAC
- Operating temperature range: -55°C to +105°C
- Tolerance: ±10%

Features:

- Wide inductance range in small package
- Flame retardant coating
- Precision performance, excellent reliability, sturdy construction
- Epoxy molded construction provides superior moisture protection

DIMENSIONS: in.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	L (μH)	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. Ohms	I _{dc} Max (mA)	Price Each		
								1	10	25
70-IMS5-1.0	IMS05BH1R0K	1.0	44	25.0	140.0	.07	1070			
70-IMS5-2.2	IMS05BH2R2K	2.2	44	7.9	100.0	.19	650			
70-IMS5-3.3	IMS05BH3R3K	3.3	44	7.9	85.0	.35	480			
70-IMS5-4.7	IMS05BH4R7K	4.7	44	7.9	70.0	.55	380			
70-IMS5-10	IMS05BH100K	10.0	50	7.9	46.0	1.62	220			
70-IMS5-15	IMS05BH150K	15.0	45	2.5	49.0	.80	315			
70-IMS5-18	IMS05BH180K	18.0	45	2.5	45.0	.89	300			
70-IMS5-22	IMS05BH220K	22.0	45	2.5	41.0	.96	290			
70-IMS5-27	IMS05BH270K	27.0	45	2.5	38.0	1.19	260			
70-IMS5-33	IMS05BH330K	33.0	45	2.5	34.0	1.37	240			
70-IMS5-39	IMS05BH390K	39.0	50	2.5	29.0	1.93	205			
70-IMS5-47	IMS05BH470K	47.0	50	2.5	27.0	2.11	195			
70-IMS5-56	IMS05BH560K	56.0	50	2.5	25.0	2.23	190			
70-IMS5-100	IMS05BH101K	100.0	50	2.5	10.0	3.12	160			
70-IMS5-150	IMS05BH151K	150.0	55	.8	8.5	4.10	140			
70-IMS5-220	IMS05BH221K	220.0	55	.8	7.5	5.00	125			
70-IMS5-470	IMS05BH471K	470.0	60	.8	5.7	9.50	92			
70-IMS5-1000	IMS05BH102K	1000.0	60	.8	3.8	17.50	70			
70-IMS5-2200	IMS05BH222K	2200.0	45	.3	1.0	33.80	50			
70-IMS5-3300	IMS05BH332K	3300.0	45	.3	.8	53.00	40			
70-IMS5-4700	IMS05BH472K	4700.0	45	.3	.7	81.60	31			
70-IMS5-5600	IMS05BH562K	5600.0	44	.3	.7	98.90	28			
70-IMS5-6800	IMS05BH682K	6800.0	40	.3	.7	111.00	27			

VISHAY/DALE Axial Lead Inductors



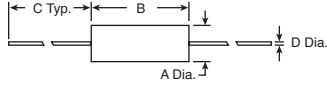
VISHAY IM-2 MOLDED INDUCTORS

Specifications:

- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000VAC
- Tolerance Standard = ±10%, values 56µH > 5%

Features:

- Wide inductance range in small package
- Flame retardant coating
- Precision performance, excellent reliability, sturdy construction
- Epoxy molded construction provides superior moisture protection



DIMENSIONS: in. (mm)					
Model		A	B	C	D
IM-2	max.	.105 (2.67)	.260 (6.60)	1.63 (41.4)	.0215 (.546)
	min.	.085 (2.16)	.240 (6.10)	1.25 (31.7)	.0185 (.470)
IM-3	max.	.165 (4.19)	.385 (9.78)	1.63 (41.4)	.027 (.686)
	min.	.145 (3.68)	.365 (9.27)	1.25 (31.7)	.023 (.584)

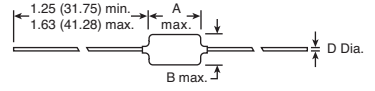
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
								1	10	25
70-IM2-.10	0.1	10%	40	25	680	0.08	1350			
70-IM2-.12	0.12	10%	40	25	640	0.09	1270			
70-IM2-.15	0.15	10%	38	25	600	0.1	1200			
70-IM2-.18	0.18	10%	35	25	550	0.12	1105			
70-IM2-.22	0.22	10%	33	25	510	0.14	1025			
70-IM2-.27	0.27	10%	33	25	430	0.16	960			
70-IM2-.33	0.33	10%	30	25	410	0.22	815			
70-IM2-.39	0.39	10%	30	25	365	0.3	700			
70-IM2-.47	0.47	10%	30	25	330	0.35	650			
70-IM2-.56	0.56	10%	30	25	300	0.5	545			
70-IM2-.68	0.68	10%	28	25	275	0.6	495			
70-IM2-.82	0.82	10%	28	25	250	0.85	415			
70-IM2-1.0	1.0	10%	25	25	230	1	385			
70-IM2-1.2	1.2	10%	25	7.9	150	0.18	590			
70-IM2-1.5	1.5	10%	28	7.9	140	0.22	535			
70-IM2-2.2	2.2	10%	30	7.9	115	0.4	395			
70-IM2-2.7	2.7	10%	37	7.9	100	0.55	355			
70-IM2-3.3	3.3	10%	45	7.9	90	0.85	270			
70-IM2-3.9	3.9	10%	45	7.9	80	1	250			
70-IM2-4.7	4.7	10%	45	7.9	75	1.2	230			
70-IM2-5.6	5.6	10%	50	7.9	65	1.8	185			
70-IM2-6.8	6.8	10%	50	7.9	60	2	175			
70-IM2-8.2	8.2	10%	55	7.9	55	2.7	155			
70-IM2-10	10	10%	55	7.9	50	3.7	130			
70-IM2-12	12	10%	45	2.5	40	2.7	155			
70-IM2-15	15	10%	40	2.5	35	2.8	150			
70-IM2-18	18	10%	50	2.5	30	3.1	145			
70-IM2-22	22	10%	50	2.5	25	3.3	140			
70-IM2-27	27	10%	50	2.5	20	3.5	135			
70-IM2-33	33	10%	45	2.5	24	3.4	130			
70-IM2-39	39	10%	45	2.5	22	3.6	125			
70-IM2-47	47	10%	45	2.5	20	4.5	110			
70-IM2-56	56	10%	45	2.5	18	5.7	100			
70-IM2-68	68	10%	50	2.5	15	6.7	92			
70-IM2-82	82	10%	50	2.5	14	7.3	88			
70-IM2-100	100	10%	50	2.5	13	8	84			
70-IM2-120	120	10%	30	0.79	12	13	66			
70-IM2-180	180	10%	30	0.79	10	17	57			
70-IM2-220	220	10%	30	0.79	9	21	52			
70-IM2-270	270	10%	30	0.79	8	25	47			
70-IM2-330	330	10%	30	0.79	7	28	45			
70-IM2-390	390	10%	30	0.79	6.5	35	40			
70-IM2-470	470	10%	30	0.79	6	42	36			
70-IM2-560	560	10%	30	0.79	5	46	35			
70-IM2-680	680	10%	30	0.79	4	60	30			
70-IM2-820	820	10%	30	0.79	3.8	65	29			
70-IM2-1000	1000	10%	30	0.79	3.4	72	28			
70-IM4-.15	0.15	10%	50	25	525	0.03	2450			
70-IM4-.33	0.33	10%	45	25	360	0.09	1400			
70-IM4-.47	0.47	10%	45	25	310	0.12	1225			
70-IM4-1.0	1	10%	50	25	200	0.29	785			
70-IM4-1.5	1.5	10%	33	7.9	160	0.5	600			
70-IM4-2.2	2.2	10%	33	7.9	135	0.95	435			
70-IM4-2.7	2.7	10%	33	7.9	120	1.2	385			
70-IM4-3.3	3.3	10%	33	7.9	110	2	300			
70-IM4-3.9	3.9	10%	33	7.9	100	2.3	280			
70-IM4-4.7	4.7	10%	33	7.9	90	2.6	260			
70-IM4-6.8	6.8	10%	50	7.9	55	0.5	395			
70-IM4-10	10	10%	55	7.9	45	0.9	290			
70-IM4-12	12	10%	65	2.5	42	1.1	265			
70-IM4-15	15	10%	65	2.5	40	1.4	240			
70-IM4-18	18	10%	75	2.5	34	2.25	185			
70-IM4-22	22	10%	75	2.5	30	2.5	175			
70-IM4-33	33	10%	65	2.5	19	3	165			
70-IM4-47	47	10%	55	2.5	13	2.75	170			
70-IM4-100	100	10%	50	2.5	9.5	4.5	133			
70-IM4-220	220	10%	65	0.79	6.2	7.45	103			
70-IM4-240	240	10%	65	0.79	5.9	7.8	101			

VISHAY IR SERIES EPOXY CONFORMAL COATED INDUCTORS

Specifications:

- Insulation Resistance: 1000MΩ min.
- Dielectric Strength: 1000VAC



Features:

- Flame retardant coating
- Color band identification
- Excellent environmental characteristics
- Comparable in quality to molded chokes at a lower price
- Uniform coating is excellent for automatic insertion
- Epoxy coating is more durable than lacquer coated models, yet is priced comparable

DIMENSIONS: in. (mm)				
Model	A	B	C	D
IR-2	.260 (6.60)	.120 (3.05)	.330 (8.38)	.0200 (0.508)
IR-4	.385 (9.78)	.180 (4.57)	.440 (11.18)	.0250 (0.635)

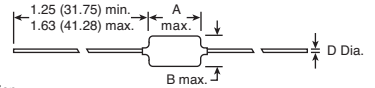
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
								1	10	25
70-IR2-.1	0.1	10%	40	25	680	0.08	1350			
70-IR2-.15	0.15	10%	38	25	600	0.1	1200			
70-IR2-.22	0.22	10%	33	25	510	0.14	1025			
70-IR2-1.2	1.2	10%	25	7.9	150	0.18	590			
70-IR2-1.5	1.5	10%	28	7.9	140	0.22	535			
70-IR2-1.8	1.8	10%	30	7.9	125	0.3	455			
70-IR2-2.7	2.7	10%	37	7.9	100	0.55	355			
70-IR2-3.3	3.3	10%	45	7.9	90	0.85	270			
70-IR2-6.8	6.8	10%	50	7.9	60	2	175			
70-IR2-8.2	8.2	10%	55	7.9	55	2.7	155			
70-IR2-10	10	10%	55	7.9	50	3.7	130			
70-IR2-12	12	10%	45	2.5	40	2.7	155			
70-IR2-27	27	10%	50	2.5	20	3.5	135			
70-IR2-47	47	10%	45	2.5	20	4.5	110			
70-IR2-56	56	10%	45	2.5	18	5.7	100			
70-IR2-1000	1000	10%	30	0.79	3.4	72	28			
70-IR4-5.6	5.6	10%	45	7.9	60	32	495			
70-IR4-18	18	10%	75	2.5	34	2.25	185			
70-IR4-22	22	10%	75	2.5	30	2.5	175			
70-IR4-J-56	56	5%	55	2.5	12	3	164			
70-IR4-J-68	68	5%	55	2.5	11	3.3	156			
70-IR4-J-100	100	5%	50	2.5	9.5	4.5	133			
70-IR4-J-110	110	5%	60	0.79	8.9	4.9	128			
70-IR4-J-220	220	5%	65	0.79	6.2	7.45	103			
70-IR4-J-1200	1200	5%	30	0.25	2	45.7	63			

VISHAY IRF SERIES EPOXY CONFORMAL COATED INDUCTORS

Specifications:

- Insulation Resistance: 1000MΩ min.
- Operating Temperature: -55°C to +105°C



Features:

- Flame retardant coating and color band identification
- Superior coating is excellent for automatic insertion
- Uniform electrical specifications: high Q and self resonant frequency, low DC resistance, high rated current
- Core: Ferrite

DIMENSIONS: in. (mm)				
Model	A	B	C	D
IRF-1	.260 (6.60)	.120 (3.05)	.330 (8.38)	.0200 (0.508)
IRF-3	.385 (9.78)	.180 (4.57)	.440 (11.18)	.0250 (0.635)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
								1	10	25
70-IRF1-1.0	1	10%	50	25	180	0.15	815			
70-IRF1-1.2	1.2	10%	50	7.9	165	0.18	740			
70-IRF1-4.7	4.7	10%	50	7.9	75	0.35	530			
70-IRF1-5.6	5.6	10%	50	7.9	65	0.4	500			
70-IRF1-18	18	10%	50	2.5	30	1	315			
70-IRF1-100	100	10%	60	2.5	13	3.5	165			
70-IRF1-180	180	10%	60	0.79	4.35	5	140			
70-IRF3-.22	0.22	10%	55	25	380	0.1	1400			
70-IRF3-1.0	1	10%	55	25	157	0.19	920			
70-IRF3-1.8	1.8	10%	55	7.9	121	0.25	790			
70-IRF3-2.2	2.2	10%	55	7.9	110	0.28	750			
70-IRF3-2.7	2.7	10%	60	7.9	100	0.3	720			
70-IRF3-3.3	3.3	10%	65	7.9	94	0.34	670			
70-IRF3-4.7	4.7	10%	70	7.9	80	0.39	620			
70-IRF3-5.6	5.6	10%	70	7.9	74	0.43	590			
70-IRF3-10	10	10%	85	7.9	45	0.58	500			
70-IRF3-18	18	10%	65	2.5	34	0.77	430			
70-IRF3-22	22	10%	60	2.5	30	0.84	410			
70-IRF3-33	33	10%	55	2.5	19	1.03	370			
70										



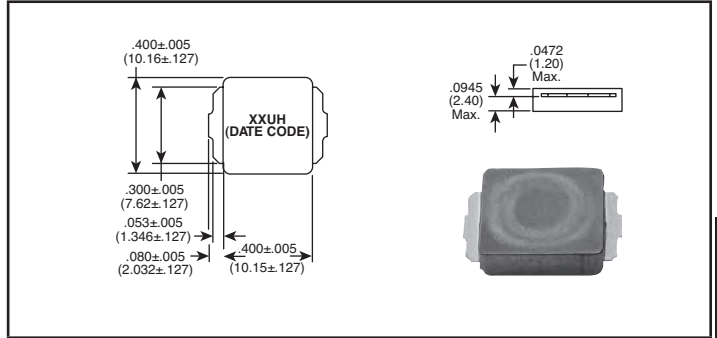
IHLW4040CF - 11 SERIES

Features:

- Operating temperature: -55°C to +125°C
- Shielded construction
- Frequency range up to 2.0MHz
- Handles high transient current spikes without saturation

Applications:

- PDA/Notebook/Desktop/Server applications
- High current POL converters
- Power supplies
- Battery powered devices
- DC/DC converters in distributed power systems, FPGAs



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Inductance (µH ± 20%)	DCR Typ @ 25°C (mΩ)	Heating Rating Current DC Typ. (A)	Saturation Current DC Typ. (A)	Price Each			Reel Quantity	Price Per Piece
						1	100	250		
70-IHLW4040CFERR10M1	IHLW4040CFERR10M11	0.10	0.70	46	48				500	
70-IHLW4040CFERR15M1	IHLW4040CFERR15M11	0.15	0.79	45	46				500	
70-IHLW4040CFERR22M1	IHLW4040CFERR22M11	0.22	0.83	35.5	36				500	
70-IHLW4040CFERR33M1	IHLW4040CFERR33M11	0.33	1.09	33.5	33.5				500	
70-IHLW4040CFERR47M1	IHLW4040CFERR47M11	0.47	1.60	31	22e				500	
70-IHLW4040CFERR56M1	IHLW4040CFERR56M11	0.56	1.71	30.5	23				500	
70-IHLW4040CFERR68M1	IHLW4040CFERR68M11	0.68	2.05	29	20				500	
70-IHLW4040CFERR82M1	IHLW4040CFERR82M11	0.82	2.46	24	19				500	
70-IHLW4040CFERR1R0M1	IHLW4040CFERR1R0M11	1.0	2.67	24	18				500	
70-IHLW4040CFERR1R5M1	IHLW4040CFERR1R5M11	1.5	4.20	20	14.5				500	
70-IHLW4040CFERR2R2M1	IHLW4040CFERR2R2M11	2.2	6.83	16	14				500	

ILSB SERIES - SHIELDED INDUCTORS

Features:

- High reliability
- Magnetically self shielded
- Eliminates silver migration
- Surface mountable
- Nickel barrier plating
- Tolerance ±10%

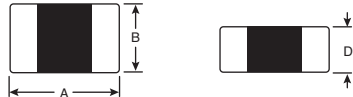


Size	Qty/Reel	Dimensions: mm		
		A	B	D
0603	4000	1.6 ± 0.15	0.8 ± 0.15	0.8 ± 0.2
0805	4000	2.0 ± 0.2	1.25 ± 0.2	N/A
1206	3000	3.2 ± 0.2	1.6 ± 0.2	1.1 ± 0.3

For quantities greater than listed, call for quote.

Environmental Specifications:

- Operating temperature: -55°C to +125°C
- Thermal shock: -40°C to +85°C
- Load Life: 85°C for 1000 hours full rated current
- Humidity: 90% RH at 40°C



Series/Size	Inductance (µH)	Price Each			Reel Quantity	Price Per Piece
		1	100	1000		
ILSB 0603	0.10-4.7				4000	
ILSB 0805	0.068-2.2				4000	
ILSB 0805	2.7-4.7				3000	
ILSB 0805	5.6-10				3000	
ILSB 0805	12-22				3000	
ILSB 1206	0.10-10				3000	
ILSB 1206	12-22				3000	

MOUSER STOCK NO.	Vishay Part No.	Inductance (µH)	Q (Min)	Test Freq. L&G (MHz)	Max. DCR (Ω)	Rated DC Current (mA)
0603 Size						
70-ILSB0603ERR10K	ILSB0603ERR10K	0.10	15	25	0.50	50
70-ILSB0603ERR22K	ILSB0603ERR22K	0.22	15	25	0.80	50
70-ILSB0603ERR33K	ILSB0603ERR33K	0.33	15	25	0.85	35
70-ILSB0603ERR39K	ILSB0603ERR39K	0.39	15	25	1.00	35
70-ILSB0603ERR47K	ILSB0603ERR47K	0.47	15	25	1.35	35
70-ILSB0603ER1R0K	ILSB0603ER1R0K	1.00	35	10	0.60	25
70-ILSB0603ER1R2K	ILSB0603ER1R2K	1.20	35	10	0.80	25
70-ILSB0603ER2R2K	ILSB0603ER2R2K	2.20	35	10	1.15	15
70-ILSB0603ER3R3K	ILSB0603ER3R3K	3.30	35	10	1.55	15
70-ILSB0603ER4R7K	ILSB0603ER4R7K	4.70	35	10	2.10	15
0805 Size						
70-ILSB0805ER68NM	ILSB0805ER68NM	0.068	15	50	0.20	300
70-ILSB0805ERR10K	ILSB0805ERR10K	0.10	20	25	0.30	250
70-ILSB0805ERR12K	ILSB0805ERR12K	0.12	20	25	0.30	250
70-ILSB0805ERR15K	ILSB0805ERR15K	0.15	20	25	0.40	250
70-ILSB0805ERR22K	ILSB0805ERR22K	0.22	20	25	0.50	250
70-ILSB0805ERR27K	ILSB0805ERR27K	0.27	20	25	0.50	250
70-ILSB0805ERR33K	ILSB0805ERR33K	0.33	20	25	0.55	250
70-ILSB0805ERR39K	ILSB0805ERR39K	0.39	25	25	0.65	200
70-ILSB0805ERR47K	ILSB0805ERR47K	0.47	25	25	0.65	200
70-ILSB0805ER1R0K	ILSB0805ER1R0K	1.00	45	10	0.40	50
70-ILSB0805ER1R2K	ILSB0805ER1R2K	1.20	45	10	0.50	50
70-ILSB0805ER1R5K	ILSB0805ER1R5K	1.50	45	10	0.50	50
70-ILSB0805ER1R8K	ILSB0805ER1R8K	1.80	45	10	0.60	50
70-ILSB0805ER2R2K	ILSB0805ER2R2K	2.20	45	10	0.65	30
70-ILSB0805ER2R7K	ILSB0805ER2R7K	2.70	45	10	0.75	30
70-ILSB0805ER3R3K	ILSB0805ER3R3K	3.30	45	10	0.80	30
70-ILSB0805ER3R9K	ILSB0805ER3R9K	3.90	45	10	0.90	30
70-ILSB0805ER4R7K	ILSB0805ER4R7K	4.70	45	10	1.00	30

MOUSER STOCK NO.	Vishay Part No.	Inductance (µH)	Q (Min)	Test Freq. L&G (MHz)	Max. DCR (Ω)	Rated DC Current (mA)
0805 Size Cont.						
70-ILSB0805ER5R6K	ILSB0805ER5R6K	5.6	45	4	0.90	15
70-ILSB0805ER6R8K	ILSB0805ER6R8K	6.8	45	4	1.00	15
70-ILSB0805ER8R2K	ILSB0805ER8R2K	8.2	45	4	1.10	15
70-ILSB0805ER100K	ILSB0805ER100K	10.0	50	2	1.15	15
70-ILSB0805ER120K	ILSB0805ER120K	12.0	50	2	1.25	15
70-ILSB0805ER150K	ILSB0805ER150K	15.0	30	1	0.80	5
70-ILSB0805ER220K	ILSB0805ER220K	22.0	30	1	1.10	5
1206 Size						
70-ILSB1206ERR10K	ILSB1206ERR10K	0.10	20	25	0.25	250
70-ILSB1206ERR15K	ILSB1206ERR15K	0.15	20	25	0.30	250
70-ILSB1206ERR18K	ILSB1206ERR18K	0.18	20	25	0.40	250
70-ILSB1206ERR22K	ILSB1206ERR22K	0.22	20	25	0.40	250
70-ILSB1206ERR27K	ILSB1206ERR27K	0.27	20	25	0.50	250
70-ILSB1206ERR33K	ILSB1206ERR33K	0.33	20	25	0.60	250
70-ILSB1206ERR39K	ILSB1206ERR39K	0.39	25	25	0.50	200
70-ILSB1206ERR47K	ILSB1206ERR47K	0.47	25	25	0.60	200
70-ILSB1206ER1R0K	ILSB1206ER1R0K	1.0	45	10	0.40	100
70-ILSB1206ER1R2K	ILSB1206ER1R2K	1.2	45	10	0.50	100
70-ILSB1206ER1R5K	ILSB1206ER1R5K	1.5	45	10	0.50	50
70-ILSB1206ER1R8K	ILSB1206ER1R8K	1.8	45	10	0.50	50
70-ILSB1206ER2R2K	ILSB1206ER2R2K	2.2	45	10	0.50	50
70-ILSB1206ER3R9K	ILSB1206ER3R9K	3.9	45	10	0.80	50
70-ILSB1206ER4R7K	ILSB1206ER4R7K	4.7	45	10	0.90	50
70-ILSB1206ER8R2K	ILSB1206ER8R2K	8.2	45	4	0.90	25
70-ILSB1206ER100K	ILSB1206ER100K	10.0	45	2	1.00	25
70-ILSB1206ER120K	ILSB1206ER120K	12.0	45	2	1.05	15
70-ILSB1206ER150K	ILSB1206ER150K	15.0	45	1	0.70	5
70-ILSB1206ER180K	ILSB1206ER180K	18.0	45	1	0.70	5
70-ILSB1206ER220K	ILSB1206ER220K	22.0	35	1	0.90	5

VISHAY/DALE Low Profile - SMD High Current Inductors



RoHS Compliant This product is RoHS compliant.

Example of how to build part numbers:			
Catalog Part No.	Vishay Part No.	Code	Value
IHLP2525CZERR_M5A	IHLP2525CZERR47M5A	R47	0.47 μ H
IHLP2525CZERR_M5A	IHLP2525CZERR4R7M5A	4R7	4.7 μ H
IHLP4040DZERR_M5A	IHLP4040DZERR150M5A	150	15 μ H



IHLP AUTOMOTIVE SERIES

- Features:**
- AEC-Q200 Qualified
 - High Temperature: up to 155°C
 - Frequency Range: up to 1.0MHz
 - Shielded construction with ultra-low buzz noise
 - Handles high transient current spikes without saturation

- Applications:**
- Engine and transmission control units
 - Diesel injection drivers
 - DC/DC converters for entertainment/navigation systems
 - Noise suppression for motors



For quantities greater than listed, call for quote.

Vishay Part No.	Series	Inductance (μ H)		Dimensions: mm (Max.)			Frequency (Max.)	Price Each			Reel Qty.	Price Per Piece
		Min.	Max.	Length	Width	Height		1	10	100		
IHLP2525CZERR_M5A	IHLP-2525CZ-5A	0.47	4.7	6.86	6.47	3.0	1 MHz				2000	
IHLP2525CZERR_M5A	IHLP-2525CZ-5A	5.6	10	6.86	6.47	3.0	1 MHz				2000	
IHLP2525CZERR_M5A	IHLP-2525CZ-5A	15	22	6.86	6.47	3.0	1 MHz				2000	
IHLP3232DZERR_M5A	IHLP-3232DZ-5A	0.22	10	8.79	8.26	4.0	1 MHz				500	
IHLP3232DZERR_M5A	IHLP-3232DZ-5A	15	33	8.79	8.26	4.0	1 MHz				500	
IHLP4040DZERR_M5A	IHLP-4040DZ-5A	0.47	10	10.92	10.3	4.0	1 MHz				500	
IHLP4040DZERR_M5A	IHLP-4040DZ-5A	15	33	10.92	10.3	4.0	1 MHz				500	
IHLP5050FDER_M5A	IHLP-5050FD-5A	1.0	10	13.767	12.9	6.4	1 MHz				250	
IHLP5050FDER_M5A	IHLP-5050FD-5A	12	22	13.767	12.9	6.4	1 MHz				250	
IHLP6767GZER_M5A	IHLP-6767GZ-5A	0.47	22	17.15	17.15	7.0	1 MHz				200	
IHLP8787MZERR_M5A	IHLP-8787MZ-5A	470 nH	100	22	22.86	13	1 MHz				200	

IHLP HIGH TEMPERATURE SERIES

- Features:**
- High Temperature: up to 155°C
 - Frequency Range: up to 1.0MHz
 - Shielded construction with ultra-low buzz noise
 - Handles high transient current spikes without saturation

- Applications:**
- PDA/notebook/desktop/server applications
 - Battery powered devices
 - High current POL converters
 - DC/DC converters
 - Low profile, high current power supplies



For quantities greater than listed, call for quote.

IHLP2525CZERR_M51	IHLP-2525CZ-51	0.47	4.7	6.86	6.47	3.0	1 MHz				2000	
IHLP2525CZERR_M51	IHLP-2525CZ-51	5.6	22	6.86	6.47	3.0	1 MHz				2000	
IHLP3232DZERR_M51	IHLP-3232DZ-51	0.22	10	8.79	8.26	4.0	1 MHz				500	
IHLP3232DZERR_M51	IHLP-3232DZ-51	15	47	8.79	8.26	4.0	1 MHz				5000	
IHLP4040DZERR_M51	IHLP-4040DZ-51	0.47	10	10.92	10.3	4.0	1 MHz				500	
IHLP4040DZERR_M51	IHLP-4040DZ-51	15	33	10.92	10.3	4.0	1 MHz				500	
IHLP5050FDER_M51	IHLP-5050FD-51	1.0	10	13.767	12.9	6.4	1 MHz				250	
IHLP5050FDER_M51	IHLP-5050FD-51	12	22	13.767	12.9	6.4	1 MHz				250	
IHLP6767GZER_M51	IHLP-6767GZ-51	0.47	22	17.65	17.15	7.0	1 MHz				200	

IHLP HIGH FREQUENCY SERIES

- Features:**
- High Temperature: up to 125°C
 - Frequency Range: up to 5.0MHz
 - Shielded construction with ultra-low buzz noise
 - Handles high transient current spikes without saturation

- Applications:**
- PDA/notebook/desktop/server applications
 - Battery powered devices
 - High current POL converters
 - DC/DC converters
 - Low profile, high current power supplies

For quantities greater than listed, call for quote.

IHLP1616ABER_M01	IHLP-1616AB-01	0.047	1.0	4.45	4.06	1.2	5 MHz				4000	
IHLP1616BZER_M01	IHLP-1616BZ-01	0.1	2.2	4.45	4.06	2.0	5 MHz				4000	
IHLP2020ABER_M01	IHLP-2020AB-01	0.1	4.7	5.49	5.18	1.2	5 MHz				4000	
IHLP2020BZER_M01	IHLP-2020BZ-01	0.1	10	5.49	5.18	2.0	5 MHz				2000	
IHLP2020CZERR_M01	IHLP-2020CZ-01	0.1	15	5.49	5.18	3.0	5 MHz				2000	
IHLP2525AHER_M01	IHLP-2525AH-01	0.1	4.7	6.86	6.47	1.8	5 MHz				2000	
IHLP2525BDER_M01	IHLP-2525BD-01	0.1	4.7	6.86	6.47	2.4	5 MHz				2000	
IHLP2525BDER_M01	IHLP-2525BD-01	6.8	10	6.86	6.47	2.4	5 MHz				2000	
IHLP2525CZERR_M01	IHLP-2525CZ-01	0.1	4.7	6.86	6.47	3.0	5 MHz				2000	
IHLP2525CZERR_M01	IHLP-2525CZ-01	6.8	10	6.86	6.47	3.0	5 MHz				2000	
IHLP2525EZERR_M01	IHLP-2525EZ-01	0.56	10	6.86	6.47	5.0	5 MHz				500	
IHLP3232CZERR_M01	IHLP-3232CZ-01	0.22	10	8.64	8.18	3.0	5 MHz				1000	
IHLP3232DZERR_M01	IHLP-3232DZ-01	0.22	10	8.64	8.18	4.0	5 MHz				1000	
IHLP4040DZERR_M01	IHLP-4040DZ-01	0.19	10	11.5	10.3	4.0	5 MHz				500	
IHLP5050CEERR_M01	IHLP-5050CE-01	0.1	10	13.2	12.9	3.5	5 MHz				500	
IHLP5050EZERR_M01	IHLP-5050EZ-01	0.1	10	13.2	12.9	5.0	5 MHz				250	
IHLP5050FDER_M01	IHLP-5050FD-01	0.1	10	13.2	12.9	6.5	5 MHz				500	
IHLP6767DZERR_M01	IHLP-6767DZ-01	0.22	10	17.65	17.15	4.0	5 MHz				250	
IHLP6767GZER_M01	IHLP-6767GZ-01	0.22	22	17.65	17.15	7.0	5 MHz				200	

IHLP STANDARD SERIES

- Features:**
- High Temperature: up to 125°C
 - Frequency Range: up to 2.0MHz
 - Shielded construction with ultra-low buzz noise
 - Handles high transient current spikes without saturation

- Applications:**
- PDA/notebook/desktop/server applications
 - Battery powered devices
 - High current POL converters
 - DC/DC converters
 - Low profile, high current power supplies

For quantities greater than listed, call for quote.

IHLP1212ABER_M11	IHLP-1212AB-11	0.22	1.0	3.6	3.0	1.2	1 MHz				3000	
IHLP1212AEER_M11	IHLP-1212AE-11	0.22	1.5	3.6	3.0	1.5	1 MHz				3000	
IHLP1212BZER_M11	IHLP-1212BZ-11	0.22	3.3	3.6	3.0	2.0	1 MHz				3000	
IHLP1616ABER_M11	IHLP-1616AB-11	0.047	2.2	4.45	4.06	1.2	1 MHz				4000	
IHLP1616BZER_M11	IHLP-1616BZ-11	0.1	4.7	4.45	4.06	2.0	1 MHz				4000	
IHLP2020BZER_M11	IHLP-2020BZ-11	0.1	10	5.49	5.18	2.0	1 MHz				2000	
IHLP2020CZERR_M11	IHLP-2020CZ-11	0.1	22	5.49	5.18	3.0	1 MHz				2000	
IHLP2525CZERR_M11	IHLP-2525CZ-11	1.0	22	6.86	6.47	3.0	1 MHz				2000	
IHLP3232CZERR_M11	IHLP-3232CZ-11	0.22	33	8.64	8.18	3.0	1 MHz				1000	
IHLP3232DZERR_M11	IHLP-3232DZ-11	0.22	33	8.64	8.18	4.0	1 MHz				500	
IHLP4040DZERR_M11	IHLP-4040DZ-11	0.19	47	11.5	10.3	4.0	1 MHz				500	
IHLP6767DZERR_M11	IHLP-6767DZ-11	1.0	47	17.65	17.15	4.0	750 KHz				250	
IHLP6767GZER_M11	IHLP-6767GZ-11	0.33	100	17.65	17.15	7.0	2 MHz				200	

VISHAY/DALE High Current Inductors



NEW AT MOUSER

IWAS SERIES WIRELESS CHARGING RECEIVING COIL/SHIELD WITH ATTRACTOR

RoHS Compliant This product is RoHS compliant.

Features:

- Wireless charging receiving coil
- Optimized for 5 V charging circuitry
- High permeability shielding for wireless charging receiving coils
- Blocks charging flux from sensitive components or batteries
- Dimensions: 48mm x 32mm x 1.05mm max.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Inductance ($\mu\text{H} \pm 5\%$)	DCR Typ @ 25°C (m Ω)	Efficiency (%)	Q at 200 kHz (min)	Price Each			
						1	10	25	50
70-IWAS4832FFEB9R7J5	IWAS4832FFEB9R7J50	9.7	200	>70	30				
70-IWAS3827ECEB100J5	IWAS3827ECEB100J50	10.7	183	>70	30				

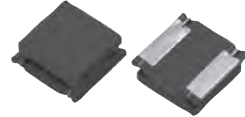
IFSC SERIES LOW PROFILE, HIGH CURRENT SMD INDUCTORS

Features:

- Operating temperature: -55°C to +125°C
- Shielded construction
- Handles high transient current spikes without saturation

Applications:

- PDA/Notebook/Server applications
- High current POL converters
- Power supplies
- Battery powered devices
- DC/DC converters in distributed power systems, FPGAs



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Inductance ($\mu\text{H} \pm 20\%$)	Height (mm)	DCR Typ @ 25°C (m Ω)	DCR Max @ 25°C (m Ω)	Heat Rating Current DC Typ. (A)	Saturation Current DC Typ. (A)	Price Each			Reel Qty.	Price Per Piece
								1	100	500		
IFSC-0806AZ-01 Series												
70-IFSC0806AZER1R0M0	IFSC0806AZER1R0M01	1	1	96	115	1.60	1.88				2000	
70-IFSC0806AZER1R5M0	IFSC0806AZER1R5M01	1.5	1	143	172	1.40	1.63				2000	
70-IFSC0806AZER2R2M0	IFSC0806AZER2R2M01	2.2	1	196	236	1.30	1.40				2000	
70-IFSC0806AZER3R3M0	IFSC0806AZER3R3M01	3.3	1	247	297	1.05	1.00				2000	
70-IFSC0806AZER4R7M0	IFSC0806AZER4R7M01	4.7	1	331	398	0.90	0.85				2000	
70-IFSC0806AZER6R8M0	IFSC0806AZER6R8M01	6.8	1	623	748	0.60	0.80				2000	
70-IFSC0806AZER100M0	IFSC0806AZER100M01	10	1	1108	1330	0.45	0.62				2000	
70-IFSC0806AZER220M0	IFSC0806AZER220M01	22	1	2367	2840	0.30	0.43				2000	
IFSC-1008AB-01 Series												
70-IFSC1008ABERR47M0	IFSC1008ABERR47M01	0.47	1.2	25	29	3.70	3.90				2000	
70-IFSC1008ABER1R0M0	IFSC1008ABER1R0M01	1	1.2	37	43	2.60	2.70				2000	
70-IFSC1008ABER1R5M0	IFSC1008ABER1R5M01	1.5	1.2	63	72	2.20	2.30				2000	
70-IFSC1008ABER2R2M0	IFSC1008ABER2R2M01	2.2	1.2	80	90	1.85	2.15				2000	
70-IFSC1008ABER3R3M0	IFSC1008ABER3R3M01	3.3	1.2	140	155	1.45	1.70				2000	
70-IFSC1008ABER4R7M0	IFSC1008ABER4R7M01	4.7	1.2	190	212	1.20	1.50				2000	
70-IFSC1008ABER6R0M0	IFSC1008ABER6R0M01	6	1.2	260	288	1.10	1.35				2000	
70-IFSC1008ABER6R8M0	IFSC1008ABER6R8M01	6.8	1.2	325	370	1.00	1.15				2000	
70-IFSC1008ABER100M0	IFSC1008ABER100M01	10	1.2	360	410	0.75	0.85				2000	
70-IFSC1008ABER220M0	IFSC1008ABER220M01	22	1.2	910	1050	0.50	0.56				2000	
IFSC-1111AB-01 Series												
70-IFSC1111ABER2R2M0	IFSC1111ABER2R2M01	2.2	1.2	82	98	1.9	1.7				2000	
70-IFSC1111ABER3R3M0	IFSC1111ABER3R3M01	3.3	1.2	100	120	1.7	1.5				2000	
70-IFSC1111ABER4R7M0	IFSC1111ABER4R7M01	4.7	1.2	130	156	1.4	1.2				2000	
70-IFSC1111ABER6R8M0	IFSC1111ABER6R8M01	6.8	1.2	190	228	1.2	1.0				2000	
70-IFSC1111ABER100M0	IFSC1111ABER100M01	10	1.2	280	336	1.0	0.8				2000	
70-IFSC1111ABER220M0	IFSC1111ABER220M01	22	1.2	630	756	0.67	0.55				2000	
IFSC-1111AZ-01 Series												
70-IFSC1111AZER1R0M0	IFSC1111AZER1R0M01	1	1.2	55	68	2.00	1.50				2000	
70-IFSC1111AZER1R5M0	IFSC1111AZER1R5M01	1.5	1.2	65	75	1.45	1.35				2000	
70-IFSC1111AZER2R2M0	IFSC1111AZER2R2M01	2.2	1.2	90	105	1.30	1.10				2000	
70-IFSC1111AZER3R3M0	IFSC1111AZER3R3M01	3.3	1.2	130	150	1.20	0.90				2000	
70-IFSC1111AZER4R7M0	IFSC1111AZER4R7M01	4.7	1.2	170	200	1.00	0.75				2000	
70-IFSC1111AZER6R8M0	IFSC1111AZER6R8M01	6.8	1.2	200	230	0.90	0.65				2000	
70-IFSC1111AZER100M0	IFSC1111AZER100M01	10	1.2	300	340	0.80	0.52				2000	
70-IFSC1111AZER150M0	IFSC1111AZER150M01	15	1.2	500	570	0.65	0.40				2000	
70-IFSC1111AZER220M0	IFSC1111AZER220M01	22	1.2	350	750	0.50	0.35				2000	
70-IFSC1111AZER330M0	IFSC1111AZER330M01	33	1.2	1000	1250	0.40	0.30				2000	
70-IFSC1111AZER470M0	IFSC1111AZER470M01	47	1.2	1800	2050	0.35	0.235				2000	
IFSC-1515AH-01 Series												
70-IFSC1515AHERR56M0	IFSC1515AHERR56M01	0.56	1.8	17	22	5.40	5.50				2000	
70-IFSC1515AHER1R0M0	IFSC1515AHER1R0M01	1	1.8	20	25	3.80	3.80				2000	
70-IFSC1515AHER1R2M0	IFSC1515AHER1R2M01	1.2	1.8	25	30	3.60	3.60				2000	
70-IFSC1515AHER2R2M0	IFSC1515AHER2R2M01	2.2	1.8	35	45	3.00	3.00				2000	
70-IFSC1515AHER3R3M0	IFSC1515AHER3R3M01	3.3	1.8	45	56	2.70	2.40				2000	
70-IFSC1515AHER4R7M0	IFSC1515AHER4R7M01	4.7	1.8	70	90	2.20	2.00				2000	
70-IFSC1515AHER6R8M0	IFSC1515AHER6R8M01	6.8	1.8	90	115	1.90	1.50				2000	
70-IFSC1515AHER8R2M0	IFSC1515AHER8R2M01	8.2	1.8	105	132	1.40	1.40				2000	
70-IFSC1515AHER100M0	IFSC1515AHER100M01	10	1.8	135	170	1.30	1.30				2000	
70-IFSC1515AHER150M0	IFSC1515AHER150M01	15	1.8	185	222	1.25	1.00				2000	
70-IFSC1515AHER220M0	IFSC1515AHER220M01	22	1.8	250	315	1.20	0.83				2000	
70-IFSC1515AHER330M0	IFSC1515AHER330M01	33	1.8	405	486	0.90	0.68				2000	
70-IFSC1515AHER470M0	IFSC1515AHER470M01	47	1.8	495	594	0.80	0.56				2000	

IHTH SERIES THROUGH HOLE, HIGH CURRENT AND HIGH TEMPERATURE INDUCTORS

Features:

- Operating temperature: -55°C to +155°C
- Shielded construction
- Handles high transient current spikes without saturation
- Ultra low buzz noise, due to composite construction

Applications:

- Desktop/Server applications
- High current POL converters
- Line filters
- DC/DC converters in distributed power systems, FPGAs



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Inductance ($\mu\text{H} \pm 20\%$)	DCR Typ @ 25°C (m Ω)	DCR Max @ 25°C (m Ω)	Heat Rating Current DC Typ. (A)	Saturation Current DC Typ. (A)	Price Each			
							1	5	15	30
IHTH-1125MZ-5A Series										
70-IHTH1125MZEB2R2M5	IHTH1125MZEB2R2M5A	2.2	-	-	-	-				
70-IHTH1125MZEB4R7M5	IHTH1125MZEB4R7M5A	4.7	1.65	2.00	44.5	62.0				
70-IHTH1125MZEB100M5	IHTH1125MZEB100M5A	1	0.43	0.48	86.0	69.0				
70-IHTH1125MZEB220M5	IHTH1125MZEB220M5A	22	6.39	6.83	21.0	23.0				
70-IHTH1125MZEB470M5	IHTH1125MZEB470M5A	47	13.2	15.3	14.7	16.0				
70-IHTH1125MZEB101M5	IHTH1125MZEB101M5A	100	30.7	32.2	9.2	11.0				

Inductors

Vishay

NEW AT MOUSER

NEW AT MOUSER

VISHAY/DALE Surface Mount Inductors



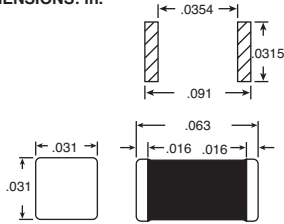
IMC-0603 SURFACE MOUNT INDUCTORS HIGH FREQUENCY, LASER SPIRAL, COATED

RoHS Compliant This product is RoHS compliant.

Features:

- High self-resonant frequency values
- High Q values relative to size at higher frequencies
- Coated coil provides protection and moisture resistance
- Compatible with vapor phase and infrared reflow soldering
- L and Q value not affected by mounting orientation

DIMENSIONS: in.



Specifications:

- Operating temperature: -40°C to +100°C
- Core Material: Ceramic

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (nH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each			Reel Qty.	Price Per Piece
								1	50	100		
70-IMC0603ER2N2S	2.2	.3nH	8	100	6000	0.09	500				3000	
70-IMC0603ER3N3S	3.3	.3nH	9	100	5500	0.12	500				3000	
70-IMC0603ER4N7J	4.7	5%	9	100	4800	0.17	450				3000	
70-IMC0603ER10NJ	10	5%	10	100	2800	0.32	400				3000	
70-IMC0603ER22NJ	22	5%	10	100	2000	0.5	300				3000	
70-IMC0603ER33NJ	33	5%	10	100	1800	0.6	300				3000	
70-IMC0603ER47NJ	47	5%	11	100	1800	0.95	250				3000	
70-IMC0603ER82NJ	82	5%	12	100	1500	1.5	250				3000	
70-IMC0603ERR10J	100	5%	12	100	1300	1.8	200				3000	

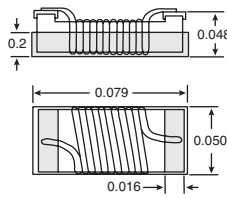


IMC-0805-01 SURFACE MOUNT INDUCTORS HIGH FREQUENCY

Features:

- High self-resonant frequency values
- High Q values relative to size at higher frequencies
- Wirewound construction
- Compatible with vapor phase and infrared reflow soldering

DIMENSIONS: in.



Specifications:

- Operating temperature: -40°C to +125°C
- Core Material: Ceramic for 2.2nH to 390nH
- Ferrite for 470nH to 10,000nH

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (nH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each			Reel Qty.	Price Per Piece
								1	50	100		
70-IMC0805ER2N2S01	2.2	.3nH	50	1000	6000	0.06	600				2000	
70-IMC0805ER2N7S01	2.7	.3nH	35	1000	6000	0.08	600				2000	
70-IMC0805ER5N6J01	5.6	5%	60	1000	5800	0.08	600				2000	
70-IMC0805ER10NJ01	10	5%	60	500	4800	0.08	600				2000	
70-IMC0805ER22NJ01	22	5%	60	500	3300	0.10	600				2000	
70-IMC0805ER27NJ01	27	5%	60	500	2600	0.12	600				2000	
70-IMC0805ER47NJ01	47	5%	60	500	2100	0.15	500				2000	
70-IMC0805ERR10J01	100	5%	60	500	1200	0.43	500				2000	
70-IMC0805ERR22J01	220	5%	50	250	860	1.10	300				2000	
70-IMC0805ERR27J01	270	5%	45	250	850	1.46	250				2000	
70-IMC0805ERR47J01	470	5%	45	100	750	0.99	330				2000	
70-IMC0805ER1R0J01	1000	5%	35	50	480	2.50	120				2000	
70-IMC0805ER2R2J01	2200	5%	15	7.96	100	1.15	320				2000	
70-IMC0805ER2R7J01	2700	5%	15	7.96	100	1.25	320				2000	

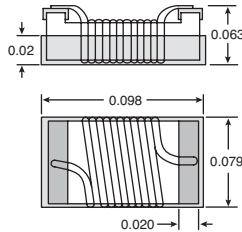


IMC-1008 SURFACE MOUNT INDUCTORS HIGH FREQUENCY

Features:

- High self-resonant frequency values
- High Q values at higher frequencies
- Wirewound construction
- Compatible with vapor phase and infrared reflow soldering

DIMENSIONS: in.



Specifications:

- Inductance and Q measured on HP4191A
- SRF measured on HP8753B
- Temperature range: -40°C to +85°C
- Core material: non-magnetic

For quantities greater than listed, call for quote.

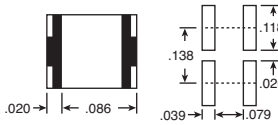
MOUSER STOCK NO.	L (nH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each			Reel Qty.	Price Per Piece
								1	50	100		
70-IMC1008ER10NJ	10	5%	50	1000	4300	0.08	600				2000	
70-IMC1008ER22NJ	22	5%	60	350	2500	0.10	600				2000	
70-IMC1008ER27NJ	27	5%	60	350	1800	0.10	600				2000	
70-IMC1008ER47NJ	47	5%	60	350	1500	0.10	600				2000	
70-IMC1008ERR10J	100	5%	60	350	1100	0.18	500				2000	
70-IMC1008ERR22J	220	5%	45	100	730	0.45	500				2000	
70-IMC1008ERR27J	270	5%	45	100	650	0.75	500				2000	
70-IMC1008ERR47J	470	5%	45	100	480	1.30	400				2000	
70-IMC1008ER1R0J	1000	5%	35	50	310	3.60	90				2000	
70-IMC1008ER2R2J	2200	5%	30	7.96	105	1.55	200				2000	
70-IMC1008ER2R7J	2700	5%	30	7.96	70	1.70	195				2000	
70-IMC1008ER4R7J	4700	5%	30	7.96	43	2.30	175				2000	
70-IMC1008ER6R8J	6800	5%	25	7.96	39	2.80	165				2000	
70-IMC1008ER8R2J	8200	5%	25	7.96	36	3.05	160				2000	



IMC-1210 MOLDED SURFACE MOUNT INDUCTORS

Features:

- Printed marking
- Compatible with vapor phase and infrared reflow soldering
- Molded construction provides superior strength and moisture resistance



Specifications:

- Operating temperature: -55°C to +125°C
- Core material: Ceramic for 3.3nH to 1000nH, ferrite for 1200nH to 22,000nH

For quantities greater than listed, call for quote.

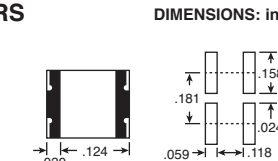
MOUSER STOCK NO.	L (nH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each			Reel Qty.	Price Per Piece
								1	50	100		
70-IMC1210ERR10M	0.1	20%	30	50	700	0.44	450				2000	
70-IMC1210ERR22M	0.22	20%	30	25.2	350	0.32	484				2000	
70-IMC1210ER1R0K	1	10%	30	7.96	120	0.7	400				2000	
70-IMC1210ER2R2K	2.2	10%	30	7.96	75	1	320				2000	
70-IMC1210ER2R7K	2.7	10%	30	7.96	70	1.1	290				2000	
70-IMC1210ER3R3K	3.3	10%	30	7.96	60	1.2	260				2000	
70-IMC1210ER4R7K	4.7	10%	30	7.96	50	1.5	224				2000	
70-IMC1210ER100K	10	10%	30	2.52	33	2.1	189				2000	
70-IMC1210ER220K	22	10%	30	2.52	19	3.7	145				2000	
70-IMC1210ER101K	100	10%	20	0.796	9	14	73				2000	



IMC-1812 MOLDED SURFACE MOUNT INDUCTORS

Features:

- Molded construction provides superior strength and moisture resistance
- Printed marking
- Compatible with vapor phase and infrared reflow soldering



Specifications:

- Inductance tolerance: ±10%
- Temperature range: -40°C to +105°C
- Core material: powdered iron for 1.0μH to 100μH, ferrite for 150μH to 1000μH

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (nH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each			Reel Qty.	Price Per Piece
								1	50	100		
70-IMC1812ER1R0K	1	10%	50	7.96	100	0.5	450				500	
70-IMC1812ER1R2K	1.2	10%	50	7.96	80	0.55	430				500	
70-IMC1812ER1R5K	1.5	10%	50	7.96	70	0.6	410				500	
70-IMC1812ER2R7K	2.7	10%	50	7.96	50	0.75	370				500	
70-IMC1812ER4R7K	4.7	10%	50	7.96	35	1	315				500	
70-IMC1812ER5R6K	5.6	10%	50	7.96	33	1.1	300				500	
70-IMC1812ER100K	10	10%	50	2.52	20	1.6	250				500	
70-IMC1812ER150K	15	10%	50	2.52	17	2.5	200				500	
70-IMC1812ER220K	22	10%	50	2.52	13	3.2	180				500	
70-IMC1812ER470K	47	10%	50	2.52	10	5	140				500	
70-IMC1812ER101K	100	10%	40	0.79	8	8	110				500	
70-IMC1812ER221K	220	10%	40	0.79	4	10	100				500	
70-IMC1812ER331K	330	10%	40	0.79	3.5	14	85				500	
70-IMC1812ER102K	1000	10%	30	0.25	2.5	40	30				500	

WURTH ELECTRONICS Inductors



This product is RoHS compliant.



WE-LQ SMD INDUCTORS

Features:

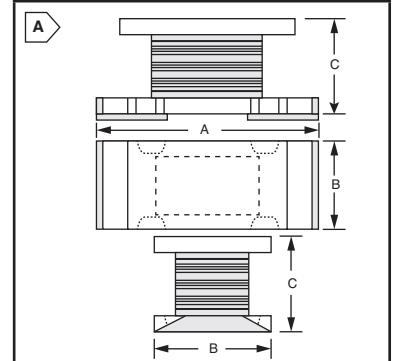
- Miniature chip inductor wound on a special ferrite core
- Small inductances for compact circuits
- High Q at high frequencies
- Low DC-resistance
- Operating temperature: -40°C to +125°C



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Fig.	L (µH)	I _R (A)	I _{sat} (A)	R _{DC} (Ω)	f _{res} (MHz)	A (mm)	B (mm)	C (mm)	Price Each			
											1	10	100	200
710-7440329002	7440329002	A	2.2	0.79	1.2	0.79	63	3.2	2.5	1.55				
710-7440329004	7440329004	A	4.7	0.65	0.85	0.65	43	3.2	2.5	1.55				
710-7440329100	7440329100	A	100	0.45	0.6	0.45	26	3.2	2.5	1.55				
710-7440329220	7440329220	A	22	0.25	0.4	0.92	19	3.2	2.5	1.55				
710-7440329470	7440329470	A	47	0.17	0.25	1.69	15	3.2	2.5	1.55				



WE-SPC SMD SHIELDED POWER INDUCTOR

Features:

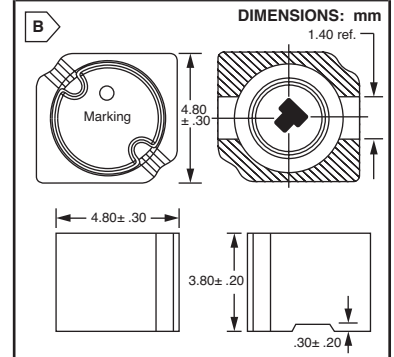
- Extremely small size
- High saturation current, up to 13A
- Magnetic shielded, which results in a low leakage field
- High self resonance frequency
- Low self-losses
- Optimize solderability characteristics
- Constant saturation characteristics
- Operating temperature: -40°C up to +125°C



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Fig.	L (µH)	I _R (A)	I _{sat} (A)	R _{DC} Typ (Ω)	R _{DC} (Ω)	f _{res} (MHz)	Price Each			
									1	50	100	500
710-74408943150	74408943150	B	15	1.4	1.7	0.12	0.14	22				



WE-MPSB EMI MULTILAYER POWER SUPPRESSION BEAD

Features:

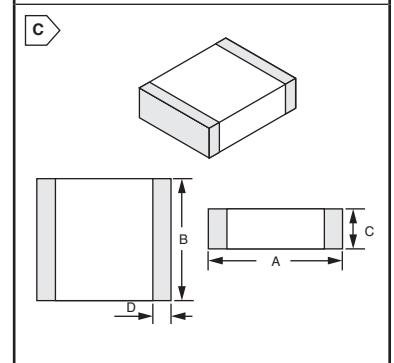
- High Rated Current up to 10A
- Recommended soldering: Reflow
- Operating Temperature: -55°C to +125°C
- Very low RDC



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Fig.	Z@ 100MHz	Z _{max} (Ω)	Test-condition Z _{max}	I _R (A)	R _{DC} (Ω)	A (mm)	B (mm)	C (mm)	D (mm)	Price Each			
												1	10	100	200
710-74279223560	74279223560	C	56	90	1000MHz	10000	0.004	4.06	3.05	2.28	0.89				
710-74279224101	74279224101	C	100	160	1000MHz	7000	0.005	5.59	5.08	1.8	0.76				
710-74279224151	74279224151	C	150	230	700MHz	5000	0.010	5.59	5.08	1.52	0.76				
710-74279224171	74279224171	C	170	250	700MHz	4000	0.015	5.59	5.08	1.8	0.76				
710-74279224181	74279224181	C	180	240	600MHz	5000	0.010	5.59	5.08	1.8	0.76				
710-74279224251	74279224251	C	250	300	150MHz	4000	0.012	5.59	5.08	1.8	0.76				
710-74279224271	74279224271	C	270	350	300MHz	4000	0.020	5.59	5.08	3.2	0.76				
710-74279224401	74279224401	C	400	460	110MHz	4500	0.020	5.59	5.08	3.2	0.76				
710-74279224551	74279224551	C	550	660	300MHz	4000	0.035	5.59	5.08	1.97	0.76				
710-74279225101	74279225101	C	100	160	1200MHz	10000	0.004	8.5	3.05	2.28	0.89				
710-74279226101	74279226101	C	100	160	1100MHz	8000	0.006	4.5	3.2	2.3	0.46				



WE-CMBH COMMON MODE POWER LINE CHOKE (HORIZONTAL)

Features:

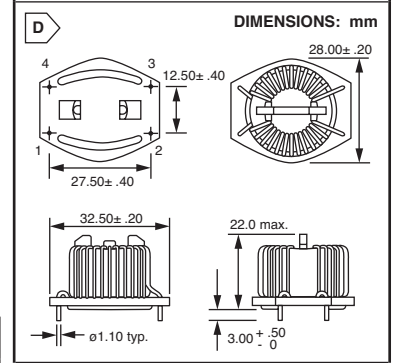
- Horizontal design for compact housings
- Suppression even at low frequency ranges
- Broadband screening because of low capacitance winding technique
- Highest possible current with small sizes
- Customer specific designs on request
- Operating temperature: -40°C to +125°C



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Fig.	Coil Ratio	L (mH)	I _R (A)	R _{DC} (Ω)	U _T (V (AC))	Design	Price Each			
									1	10	100	200
710-744834101	744834101	D	2	1.0	10.0	12.5	250	THT				
710-744834622	744834622	D	2	2.2	6.0	22.0	250	THT				
710-744834433	744834433	D	2	3.3	5.0	37.0	250	THT				
710-744834405	744834405	D	2	5.0	4.0	50.0	250	THT				
710-744834407	744834407	D	2	7.0	3.5	80.0	250	THT				



DESIGN KIT EXAR

Features:

- Suitable for switching power supplies of Exar



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Fig.	Description	Price Each
710-IC-744721	IC-744721	-	6 Sizes, 35 Values, 825 Components	

WE-TI RADIAL LEADED WIRE WOUND INDUCTOR

Features:

- Radial through-hole inductor
- High saturation core material
- Maximum current up to 8.5A
- Small size

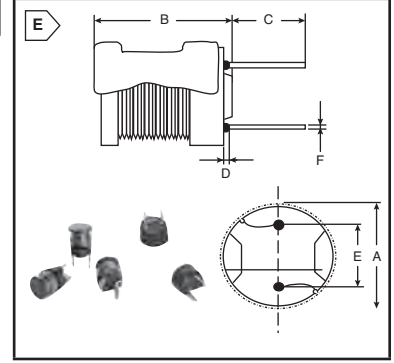
Applications:

- EMI filter
- Signal filtering
- Power supply filter
- Switches, switching power supply for small and medium voltage
- Operating range: -40°C to +105°C



RoHS Compliant

Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Version
5075	6.0	6.0	9.5	3.5	2.5	0.5	Heat Shrinking Tube



5075

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Fig.	L (µH)	I _R (A)	I _{sat} (A)	R _{DC} (Ω)	Price Each			
							1	50	100	500
710-7447462010	7447462010	E	1.0	8.50	8.00	0.015				
710-7447462022	7447462022	E	2.2	6.30	4.30	0.020				
710-7447462033	7447462033	E	3.3	4.70	4.00	0.025				
710-7447462047	7447462047	E	4.7	4.20	3.70	0.030				
710-7447462100	7447462100	E	10	2.50	2.60	0.080				
710-7447462220	7447462220	E	22	1.80	1.70	0.130				
710-7447462330	7447462330	E	33	1.40	1.40	0.220				
710-7447462470	7447462470	E	47	1.18	1.20	0.340				
710-7447462101	7447462101	E	100	0.80	0.80	0.650				
710-7447462221	7447462221	E	220	0.50	0.50	1.20				
710-7447462471	7447462471	E	470	0.35	0.40	2.40				
710-7447462102	7447462102	E	1000	0.25	0.27	6.00				
710-7447462152	7447462152	E	1500	0.19	0.20	8.00				

WURTH ELECTRONICS Inductors



WE-CMB NIZI COMMON MODE POWER LINE CHOKE

RoHS Compliant This product is RoHS compliant.

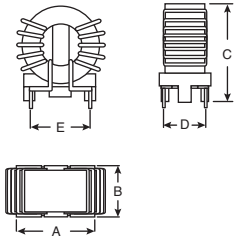
- Features:**
- Compact size
 - Noise suppression up to 300MHz
 - Operating temperature: -40°C + 125°C

- Applications:**
- Power electronics
 - Power line in and output filter
 - Optimized for burst signals

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Coil Ratio	L (μH)	I _R (A)	R _{DC} (mΩ)	U _T (VAC)	U _R (VAC)	Price Each		
Mfr.	Mfr. Part No.							1	25	100
Type XS										
710	744841414	2	14	4.0	15	1500	250			
710	744841330	2	30	3.0	26	1500	250			
710	744841247	2	47	2.0	40	1500	250			
710	744841210	2	100	1.5	80	1500	250			
Type S										
710	744842106	2	16	10.0	2.7	1500	250			
710	744842932	2	32	8.5	5.5	1500	250			
710	744842742	2	42	6.5	8.1	1500	250			
710	744842565	2	65	5.0	13	1500	250			
710	744842311	2	110	3.0	31	1500	250			



Size	Dimensions: mm				
	A	B	C	D	E
Type XS	16.0	7.5	17.5	4.5	10.0
Type S	18.5	14.5	22.0	5.0	7.7

WE-CMB COMMON MODE POWER LINE CHOKE

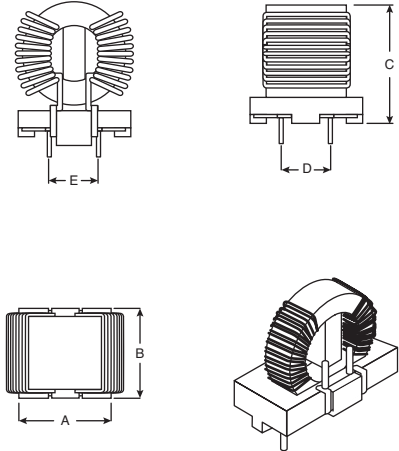
- Features:**
- Compact design
 - Highest possible current with small sizes
 - Operating temperature: -40°C + 125°C

- Applications:**
- Power electronics
 - Power line in and output filter
 - Radio interference suppression in motors

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Coil Ratio	L (mH)	I _R (A)	R _{DC} (mΩ)	U _T (VAC)	U _R (VAC)	Price Each		
Mfr.	Mfr. Part No.							1	25	100
Type XS										
710	744821201	2	1	2.0	44.5	1500	250			
710	744821240	2	4	1.5	140	1500	250			
710	744821110	2	10	0.7	350	1500	250			
710	744821120	2	20	0.5	1000	1500	250			
Type S										
710	744822301	2	1.0	3	35	1500	250			
710	744822222	2	2.2	2.0	70	1500	250			
710	744822233	2	3.3	1.5	120	1500	250			
710	744822110	2	10	1.0	360	1500	250			
710	744822120	2	20	0.5	540	1500	250			
Type M										
710	744823601	2	1.0	6.0	13	1500	250			
710	744823422	2	2.2	4.0	30	1500	250			
710	744823333	2	3.3	2.5	60	1500	250			
710	744823210	2	10	2.0	125	1500	250			
710	744823220	2	20	1.5	270	1500	250			
Type L										
710	744824101	2	1.0	10.0	7	1500	250			
710	744824622	2	2.2	6.0	20	1500	250			
710	744824433	2	3.3	4.0	35	1500	250			
710	744824310	2	10	3.0	105	1500	250			
710	744824220	2	20	2.0	220	1500	250			
Type XL										
710	7448251201	2	1.0	12.0	9	1500	250			
710	7448258022	2	2.2	8.0	14	1500	250			
710	7448256033	2	3.3	6.0	25	1500	250			
710	744825510	2	10	5.0	55	1500	250			
710	744825320	2	20	3.0	160	1500	250			



Size	Dimensions: mm				
	A	B	C	D	E
Type XS	16.0	7.5	17.5	4.5	10.0
Type S	18.5	14.5	22.0	5.0	7.7
Type M	25.0	17.0	28.0	10.7	7.5
Type L	27.5	18.5	33.0	12.0	10.0
Type XL	30.0	22.0	35.0	15.0	25.0

WE-HCF SMD HIGH CURRENT INDUCTOR

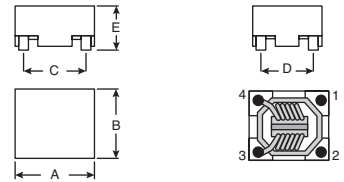
- Features:**
- Winding Style: Sectional
 - UL94-VO compliant housing
 - Operating temperature: -40°C + 125°C

- Applications:**
- Data lines
 - Power lines
 - Suppression for common mode noise

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Coil Ratio	L (μH)	Z (Ω)	I _R (mA)	R _{DC} (mΩ)	U _T (VAC)	U _R (VAC)	Price Each		
Mfr.	Mfr. Part No.								1	25	100
Type XS											
710	744273501	2	5	500	5000	0.0055	500	80			
710	744273801	2	9	800	3500	0.011	500	80			
710	744273102	2	11	1000	2500	0.030	500	80			
710	744273222	2	30	2200	1400	0.060	500	80			



Size	Dimensions: mm					
	A	B	C	D	E	F
744273	9.5	8.3	5.3	6.3	7.5	1.2

WE-CMB COMMON MODE POWER LINE CHOKE

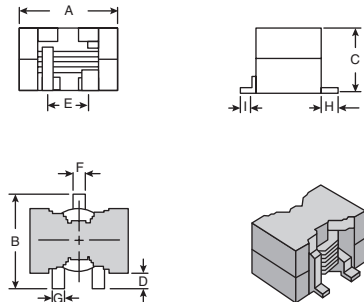
- Features:**
- Magnetically shielded
 - Current capability up to 32 A
 - Operating temperature: -40°C + 125°C

- Applications:**
- Storage inductor for high efficiency DC/DC converters
 - Single and polyphase buck converters
 - Filter for audio applications

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		L (μH)	I _R (A)	I _{sat} (A)	R _{DC} (mΩ)	Price Each		
Mfr.	Mfr. Part No.					1	25	100
Type XS								
710	7443630070	0.7	32.0	75.0	0.83			
710	7443630140	1.4	31.5	60.0	1.08			
710	7443630220	2.2	28.0	52.0	1.50			
710	7443630310	3.1	26.0	45.0	2.09			
710	7443630420	4.2	24.0	38.0	3.04			
710	7443630550	5.5	22.0	33.0	4.00			
710	7443630700	7.0	21.0	30.0	5.61			
710	7443630860	8.6	17.0	25.0	7.16			
710	7443631000	10	16.0	23.0	7.96			
710	7443631500	15	14.0	21.0	8.70			
710	7443632200	22	12.0	15.0	10.65			
710	7443633300	33	12.0	11.0	11.4			
710	7443634700	47	12.0	8.5	12.2			



Size	Dimensions: mm									Core Material
	A	B	C	D	E	F	G	H	I	
2013	21.5	21.0	14.0	3.5	9.0	2.5	2.5	3.0	2.0	MnZn

WURTH ELECTRONICS Inductors and Ferrites



RoHS Compliant This product is RoHS compliant.

WE-FLAT FLAT FERRITE CORE

Features:

- Filter for common mode interferences
- Also available with adhesive tape
- Operating temperature: -25°C to +125°C

Applications:

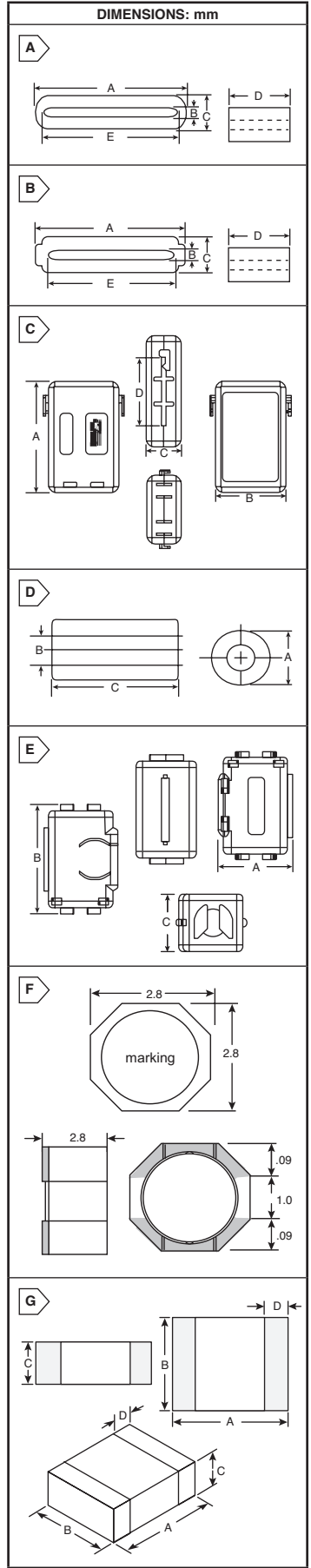
- Interference problems on data lines of digital devices



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Part No.	Fig.	Z @ 25MHz 1 turn (Ω)	Z @ 100MHz 1 turn (Ω)	Number of Poles	Version	Material	Dimensions: mm					Price Each			
								A	B	C	D	E	1	10	25	100
710-7427221	7427221	A	50	166	10	Round	3 W 800	18.0	8.0	5.0	1.0	14.0				
710-7427226	7427226	A	30	75	13	Round	4 W 620	23.8	12.0	6.6	1.1	18.8				
710-7427224	7427224	B	55	115	16	Edged	4 W 620	28.0	14.6	7.7	1.5	23.0				
710-7427220	7427220	A	50	90	21	Round	4 W 620	33.5	20.0	6.5	1.3	28.0				
710-7427223	7427223	A	23	48	23	Round	3 W 800	35.0	8.0	8.0	1.5	30.0				
710-7427228	7427228	A	35	80	26	Round	4 W 620	41.2	15.0	7.7	1.5	35.0				
710-7427214	7427214	A	26	66	30	Round	3 W 800	45.2	12.0	6.5	1.3	40.0				
710-7427218	7427218	A	25	66	34	Round	4 W 620	49.6	12.0	6.5	1.3	44.0				
710-7427216	7427216	A	25	63	40	Round	4 W 620	57.9	12.0	7.0	1.3	52.0				



STAR-FLAT SNAP FERRITE WITH SAFETY KEY TECHNOLOGY

Features:

- STAR-FLAT's ribbon cable holding feature prevents sliding and cable crimping
- The security lock guarantees electromagnetic compatibility because only authorized person can unlock the snap ferrite with the STAR-TEC key

- Color: Grey
- Patented technology
- Classification of the plastic case: UL94V0
- Operating temperature: -25°C to +105°C
- Safety Key: 74271



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Part No.	Fig.	Z @ 25MHz 1 turn (Ω)	Z @ 100MHz 1 turn (Ω)	Number of Poles	Material	Dimensions: mm				Price Each			
							A	B	C	D	1	50	100	500
710-7427246	7427246	C	97	194	26	4 W 620	53.3	33.1	16	34				
710-7427247	7427247	C	72	192	50	4 W 620	84.5	33.1	16	64.5				
710-7427245	7427245	C	42	114	50	4 W 620	84.5	19.6	16	64.5				
710-7427248	7427248	C	78	180	40	4 W 620	71.3	33.1	16	52				

LFS EMI SUPPRESSION AXIAL FERRITE BEADS WE-AFB

Features:

- Core material: MnZn for low frequency applications
- Operating temperature: -25°C to +85°C

Applications:

- Especially for applications in the low frequency range from 150kHz to 30MHz
- Suppression of electronic ballasts (i.e. neon tube) in the lighting industry



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Part No.	Fig.	Z @ 1 MHz 1 turn (Ω)	Z @ 10MHz 1 turn (Ω)	Cable Dia.	Dimensions: mm			Price Each		
						A	B	C	1	25	100
710-7427253	7427253	C	100	80	≤7.6	16.0	8.0	28.5			
710-7427229	7427229	D	100	60	≤9.1	17.5	9.5	28.5			
710-7427255	7427255	D	90	60	≤9.8	18.6	10.2	28.5			
710-7427290	7427290	D	90	50	≤12.5	26.0	13.0	28.5			

SNAP FERRITES STAR-FIX LFS

Features:

- With patented flexible cable fixing
- Prefixing cable system facilitates the cable assembling process
- Cable clamping protection
- One key in each packaging unit
- Classification of the plastic case: UL94-V0
- Operating temperature: -25°C to +105°C
- Patented technology
- Core material: MnZn

Applications:

- Especially for applications in the low frequency range from 300kHz to 30MHz
- Perfect for applications with varying cable diameter
- Reusable because of the key technology therefore perfect for test and measuring purposes and cables with difficult access
- Suppression of electronic ballasts (i.e. neon tube) in the lighting industry



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Part No.	Fig.	Z @ 1 MHz 1 turn (Ω)	Z @ 10MHz 1 turn (Ω)	Cable Dia.	Dimensions: mm			Price Each		
						A	B	C	1	25	100
710-7427272	7427272	E	30	45	4.5 - 8.0	35.1	21.7	18.2			
710-7427273	7427273	E	30	45	8.5 - 12.5	35.1	31.0	28.0			

SMD SHIELDED TINY POWER INDUCTORS WE-TPC

Features:

- Extremely flat power inductor
- High current capability
- Magnetically shielded which results in a low leakage field
- Recommended solder profile: Reflow
- Operating temperature: -40°C to +125°C

Applications:

- Portable power like PDA, digital camera, PCMCIA cards and displays
- DC/DC converter
- Embedded PC
- Mobile data gathering, telemetric



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Part No.	Fig.	L (uH)	I _R (A)	I _{sat} (A)	R _{DC} (Ω)	R _{DC} typ (Ω)	f _{res} (MHz)	Price Each		
									1	25	100
2828											
710-74402500047	74402500047	F	0.47	3.30	4.70	0.023	0.019	290			
710-74402500072	74402500072	F	0.72	3.00	4.00	0.028	0.024	210			
710-744025001	744025001	F	1.2	2.60	3.00	0.042	0.036	180			
710-744025002	744025002	F	2.2	1.80	2.40	0.066	0.057	130			
710-744025003	744025003	F	3.3	1.50	1.80	0.101	0.085	100			
710-744025004	744025004	F	4.7	1.35	1.70	0.120	0.100	84			
710-744025006	744025006	F	6.8	1.10	1.30	0.165	0.142	59			
710-744025100	744025100	F	10	1.00	1.10	0.190	0.170	41			
710-744025150	744025150	F	15	0.72	0.90	0.400	0.356	32			
710-744025220	744025220	F	22	0.50	0.75	0.575	0.525	23			

POWER MULTILAYER INDUCTORS WE-PMI

Features:

- Compact multilayer type
- Suitable for applications with high currents up to 2.5A
- DCR values below 0.2Ω
- Magnetically shielded construction: No cross talk
- Operating temperature: -40°C to +125°C

Applications:

- DC/DC converters especially at high switching frequencies
- Portable devices like PDA and digital cameras

DIMENSIONS: mm				
	A	B	C	D
0805	2.0	1.2	1.0	0.5
0806	2.0	1.6	1.0	0.5



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Part No.	Fig.	L (uH)	I _R (A)	I _{sat} (A)	R _{DC} (Ω)	f _{res} (MHz)	Q	Price Each		
									1	25	100
0805											
710-74479775210	74479775210	G	1.0	1100	700	90	100	10			
710-74479775222	74479775222	G	2.2	700	500	270	70	12			
0806											
710-74479776222	74479776222	G	2.2	1200	400	110	75	15			
710-74479776233	74479776233	G	3.3	1100	300	130	60	15			
710-74479776247	74479776247	G	4.7	1000	250	160	45	15			

WURTH ELECTRONICS SMD Inductors

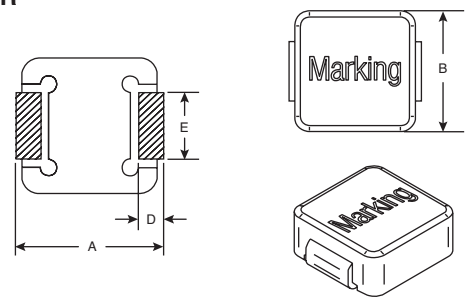


This product is RoHS compliant.

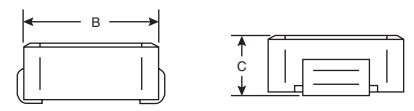
WE-LHMI SMD POWER INDUCTOR

- Features:**
- Compact Design
 - Magnetically shielded
 - High current capability
 - Handles high transient current spikes
 - No acoustic noise and no leakage field
 - Operating temperature: -40°C to +125°C

- Applications:**
- DC/DC Converters for high current power supplies
 - DC/DC Converters for Field
 - Programmable Gate Arrays (FPGA)
 - POL Converters
 - Portable power like PDA, digital camera
 - Mainboards/ graphic cards
 - Battery powered devices



Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
4020	4.45	4.06	1.80	0.76	2.00
7030	7.30	6.60	2.80	1.80	3.00
7050	7.30	6.60	4.80	1.80	3.00
1040	11.00	10.00	3.80	2.30	3.00
1335	13.50	12.60	3.30	2.30	3.00



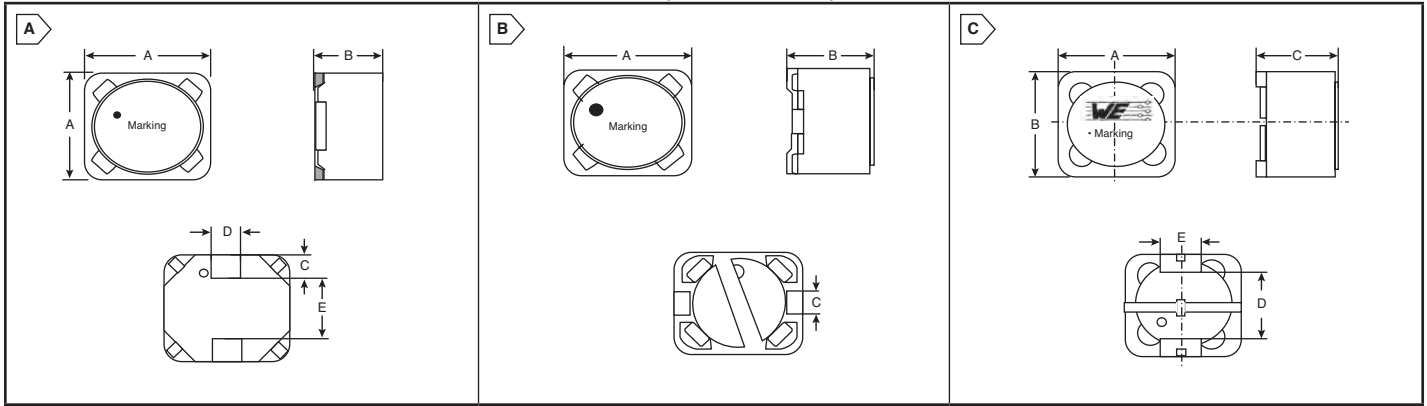
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Part No.	L (µH)	I _R (A)	I _{sat} (A)	R _{DC} typ (mΩ)	R _{DC} (mΩ)	f _{res} (MHz)	Price Each			
								1	10	100	200
4020 Case Size											
710-744373240010	744373240010	0.1	12.0	30.0	3.2	4.0	323				
710-744373240022	744373240022	0.22	9.5	17.0	6.6	7.3	195				
710-744373240033	744373240033	0.33	8.0	16.5	7.8	8.6	143				
710-744373240047	744373240047	0.47	6.8	14.5	11.2	14.0	122				
710-744373240056	744373240056	0.56	6.0	10.5	13.5	16.0	104				
710-744373240068	744373240068	0.68	5.5	10.0	16.0	19.0	90				
710-74437324010	74437324010	1.0	5.0	9.0	22.0	27.0	89				
710-74437324012	74437324012	1.2	4.7	8.5	25.0	30.0	71				
710-74437324015	74437324015	1.5	3.8	8.0	34.8	42.0	64				
710-74437324022	74437324022	2.2	3.3	6.5	51.0	61.0	49				
710-74437324033	74437324033	3.3	2.5	4.2	69.0	76.0	40				
710-74437324047	74437324047	4.7	2.2	4.0	95.0	105.0	31				
710-74437324056	74437324056	5.6	2.0	3.8	120.0	125.0	30				
710-74437324068	74437324068	6.8	1.8	3.5	150.0	172.0	29				
710-74437324082	74437324082	8.2	1.6	2.8	158.0	180.0	22				
710-74437324100	74437324100	10	1.5	2.4	215.0	243.0	23				
710-74437324220	74437324220	22	1.0	2.0	470.0	500.0	14				
7030 Case Size											
710-744373460022	744373460022	0.22	15.0	44.0	2.1	2.8	149				
710-744373460033	744373460033	0.33	13.0	38.0	3.5	3.9	124				
710-744373460047	744373460047	0.47	11.5	31.0	4.0	4.2	91				
710-744373460068	744373460068	0.68	11.0	25.0	4.8	5.5	72				
710-744373460082	744373460082	0.82	9.0	24.0	6.7	8.0	60				
710-74437346010	74437346010	1.0	8.0	22.0	8.3	10.0	54				
710-74437346015	74437346015	1.5	7.2	19.0	13.0	15.0	45				
710-74437346018	74437346018	1.8	6.8	16.5	14.0	17.0	35				
710-74437346022	74437346022	2.2	6.5	15.0	18.0	20.0	32				
710-74437346025	74437346025	2.5	5.5	13.0	20.0	22.0	30				
710-74437346033	74437346033	3.3	5.0	13.5	28.0	30.0	27				
710-74437346047	74437346047	4.7	3.8	12.0	37.0	40.0	22				
710-74437346056	74437346056	5.6	3.6	9.0	43.0	48.0	20				
710-74437346068	74437346068	6.8	3.4	8.0	54.0	60.0	18				
710-74437346082	74437346082	8.2	3.3	7.5	64.0	68.0	17				
710-74437346100	74437346100	10	3.0	7.3	75.0	85.0	15				
710-74437346220	74437346220	22	1.9	4.5	165.0	190.0	10				
7050 Case Size											
710-744373490047	744373490047	0.47	13.5	30.0	3.5	3.9	96				
710-744373490056	744373490056	0.56	13.0	28.0	3.6	4.2	85				
710-744373490068	744373490068	0.68	12.0	26.0	4.0	4.5	73				
710-744373490082	744373490082	0.82	11.3	25.0	4.6	4.9	70				
710-74437349010	74437349010	1.0	10.0	19.5	6.1	6.5	51				
710-74437349012	74437349012	1.2	9.0	18.0	7.2	7.5	45				
710-74437349015	74437349015	1.5	8.0	14.5	8.6	9.0	35				
710-74437349022	74437349022	2.2	7.5	14.0	11.2	12.0	30				
710-74437349033	74437349033	3.3	6.0	12.0	19.0	20.9	26				
710-74437349047	74437349047	4.7	5.0	11.0	28.0	30.8	24				
710-74437349056	74437349056	5.6	3.8	10.5	44.0	49.0	17				
710-74437349068	74437349068	6.8	3.5	9.5	46.0	51.5	16				
710-74437349082	74437349082	8.2	3.3	9.0	56.0	63.0	15				
710-74437349100	74437349100	10	3.2	8.0	65.0	69.0	12				
710-74437349220	74437349220	22	2.1	6.5	140.0	170.0	8				
1040 Case Size											
710-744373680022	744373680022	0.22	24.0	70.0	0.8	1.0	153				
710-744373680036	744373680036	0.36	21.0	64.0	1.1	1.2	104				
710-744373680039	744373680039	0.39	20.5	63.0	1.1	1.3	101				
710-744373680045	744373680045	0.45	20.0	50.0	1.3	1.5	82				
710-744373680056	744373680056	0.56	19.0	44.0	1.6	1.8	70				
710-74437368010	74437368010	1.0	14.5	36.0	3.0	3.3	45				
710-74437368022	74437368022	2.2	10.0	28.0	6.5	7.0	27				
710-74437368033	74437368033	3.3	8.0	23.0	10.8	11.8	22				
710-74437368047	74437368047	4.7	7.0	19.0	15.0	15.5	16				
710-74437368068	74437368068	6.8	6.0	14.0	17.5	23.3	13				
710-74437368100	74437368100	10	5.2	12.5	27.0	30.0	12				
1335 Case Size											
710-744373770022	744373770022	0.22	25.0	40.0	0.8	0.9	130				
710-744373770033	744373770033	0.33	24.0	35.0	0.9	1.1	84				
710-744373770047	744373770047	0.47	19.0	29.0	1.3	1.6	77				
710-744373770056	744373770056	0.56	18.5	28.0	1.4	1.7	59				
710-744373770068	744373770068	0.68	17.5	27.0	1.8	2.2	51				
710-74437377010	74437377010	1.0	15.0	26.0	2.7	3.5	41				
710-74437377015	74437377015	1.5	12.5	25.5	4.7	5.5	30				
710-74437377022	74437377022	2.2	10.0	25.0	7.2	8.0	22				
710-74437377033	74437377033	3.3	9.5	24.5	9.0	11.0	17				
710-74437377047	74437377047	4.7	7.5	18.0	13.0	15.0	13				

WURTH ELECTRONICS SMD Inductors



RoHS Compliant This product is RoHS compliant.



POWER INDUCTORS WE-PD

Characteristics:

- Magnetically shielded version which results in a low leakage field
- High storage capacity
- Low self-losses
- Highest possible current loading for SMD Inductors
- Operating temperature: -40°C to +125°C
- Recommended solder profile: Reflow

Applications:

- Switching regulators with low operating voltages (computer, laptop, mobile phones, pagers)
- Integrated DC/DC-converter
- Perfectly suitable for switching regulators with extremely high efficiency (> 86%)
- Graphic cards
- Plastic base: Because of the one piece construction these are more suitable for high vibration or shock applications

Size	Dimensions: mm					Base
	A	B	C	D	E	
7332	7.3	3.2	1.5	1.5	4.0	Plastic
7345	7.3	4.5	1.5	1.5	4.0	Plastic
7345	7.3	4.5	2.0	-	-	Metal
1260	12.0	12.0	6.0	8.0	5.0	Plastic

7332

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Fig.	Base	Inductance (µH)	Rated Current (A)	Saturation Current (A)	DC Resist. (Ω)	DC Resist. Typical (Ω)	Self Resonant Freq. (MHz)	Price Each			Reel Qty.	Price per Piece
										1	25	100		
710-7447789001	7447789001	A	Plastic	1.0	5.37	6.4	0.012	0.01	42				1000	
710-7447789002	7447789002	A	Plastic	2.2	4.02	4.8	0.02	0.019	36				1000	
710-7447789003	7447789003	A	Plastic	3.3	3.42	4.2	0.03	0.024	33				1000	
710-7447789004	7447789004	A	Plastic	4.7	2.9	3.9	0.035	0.033	30				1000	
710-7447789006	7447789006	A	Plastic	6.8	2.5	2.75	0.044	0.042	26				1000	
710-744778910	744778910	A	Plastic	10	1.83	2.2	0.072	0.064	23				1000	
710-7447789112	7447789112	A	Plastic	12	1.73	1.9	0.098	0.076	22				1000	
710-7447789118	7447789118	A	Plastic	18	1.41	1.7	0.14	0.114	19.6				1000	
710-7447789122	7447789122	A	Plastic	22	1.38	1.4	0.19	0.119	18				1000	
710-7447789133	7447789133	A	Plastic	33	1.22	1.15	0.24	0.153	15.6				1000	
710-7447789139	7447789139	A	Plastic	39	1.03	1.1	0.32	0.209	15				1000	
710-7447789147	7447789147	A	Plastic	47	0.85	1.0	0.36	0.315	13				1000	
710-7447789156	7447789156	A	Plastic	56	0.84	0.9	0.47	0.335	11				1000	
710-7447789168	7447789168	A	Plastic	68	0.74	0.84	0.52	0.427	10.2				1000	
710-7447789182	7447789182	A	Plastic	82	0.69	0.78	0.69	0.47	8.1				1000	
710-744778920	744778920	A	Plastic	100	0.62	0.76	0.79	0.585	7				1000	

7345

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Fig.	Base	Inductance (µH)	Rated Current (A)	Saturation Current (A)	DC Resist. (Ω)	DC Resist. Typical (Ω)	Self Resonant Freq. (MHz)	Price Each			Reel Qty.	Price per Piece
										1	25	100		
710-7447779001	7447779001	A	Plastic	1.0	5.3	9.5	0.011	0.01	49				1000	
710-7447779002	7447779002	A	Plastic	2.2	4.2	6.0	0.018	0.015	45				1000	
710-7447779003	7447779003	A	Plastic	3.3	3.3	4.5	0.03	0.026	38				1000	
710-7447779004	7447779004	A	Plastic	4.7	3.16	4.4	0.032	0.028	35				1000	
710-744777910	744777910	A	Plastic	10	2.0	2.6	0.049	0.045	23				1000	
710-74477710	74477710	B	Metal	10	2.0	2.6	0.049	0.045	23				1000	
710-7447779112	7447779112	A	Plastic	12	1.82	2.4	0.058	0.05	21				1000	
710-7447779118	7447779118	A	Plastic	18	1.5	2.05	0.091	0.08	17				1000	
710-7447779122	7447779122	A	Plastic	22	1.41	1.7	0.11	0.09	15				1000	
710-7447779133	7447779133	A	Plastic	33	1.13	1.4	0.17	0.14	12				1000	
710-7447779139	7447779139	A	Plastic	39	1.13	1.4	0.17	0.14	12				1000	
710-7447779147	7447779147	A	Plastic	47	1.03	1.1	0.26	0.19	10				1000	
710-7447779168	7447779168	A	Plastic	68	0.87	0.95	0.38	0.239	9				1000	
710-7447779182	7447779182	A	Plastic	82	0.84	0.9	0.43	0.25	8				1000	
710-744777920	744777920	A	Plastic	100	0.79	0.75	0.38	0.29	7				1000	

1260

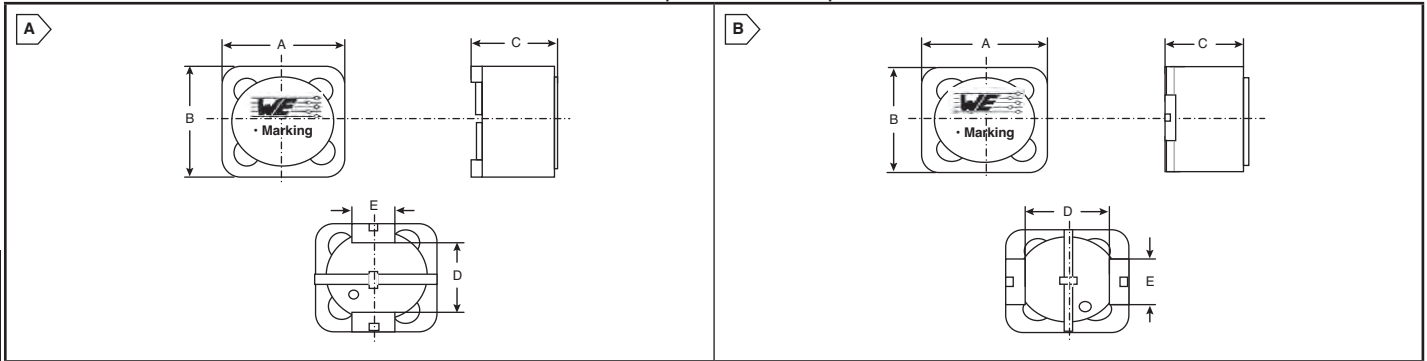
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Fig.	Base	Inductance (µH)	Rated Current (A)	Saturation Current (A)	DC Resist. (Ω)	DC Resist. Typical (Ω)	Self Resonant Freq. (MHz)	Price Each			Reel Qty.	Price per Piece
										1	25	100		
710-744771001	744771001	C	Metal	1.5	10.5	12.5	0.006	0.004	60				500	
710-744771002	744771002	C	Metal	2.2	10.0	11.0	0.008	0.005	50				500	
710-744771003	744771003	C	Metal	3.5	9.25	9.0	0.0075	0.005	40				500	
710-744771004	744771004	C	Metal	4.7	8.25	8.0	0.0106	0.008	35				500	
710-744771008	744771008	C	Metal	8.2	6.25	6.25	0.02	0.014	25				500	
710-74477110	74477110	C	Metal	10	5.0	5.5	0.025	0.018	21.5				500	
710-744771112	744771112	C	Metal	12	3.91	4.85	0.027	0.023	19.7				500	
710-744771118	744771118	C	Metal	18	3.48	4.3	0.034	0.029	14.3				500	
710-744771122	744771122	C	Metal	22	3.37	3.77	0.036	0.031	13				500	
710-744771133	744771133	C	Metal	33	2.68	3.0	0.057	0.049	10				500	
710-744771139	744771139	C	Metal	39	2.49	2.74	0.068	0.057	9				500	
710-744771147	744771147	C	Metal	47	2.21	2.6	0.075	0.072	8				500	
710-744771156	744771156	C	Metal	56	2.01	2.35	0.11	0.087	7				500	
710-744771168	744771168	C	Metal	68	1.91	2.19	0.12	0.096	6				500	
710-744771182	744771182	C	Metal	82	1.65	1.88	0.14	0.129	5.2				500	
710-74477120	74477120	C	Metal	100	1.53	1.7	0.16	0.15	4.9				500	

WURTH ELECTRONICS SMD Inductors



RoHS Compliant This product is RoHS compliant.



POWER INDUCTORS WE-PD (CONT.)

Characteristics:

- Magnetically shielded version which results in a low leakage field
- High storage capacity
- Low self-losses
- Highest possible current loading for SMD Inductors
- Operating temperature: -40°C to +125°C
- Recommended solder profile: Reflow

Applications:

- Switching regulators with low operating voltages (computer, laptop, mobile phones, pagers)
- Integrated DC/DC-converter
- Perfectly suitable for switching regulators with extremely high efficiency (> 86%)
- Graphic cards
- Plastic base: Because of the one piece construction these are more suitable for high vibration or shock applications

DIMENSIONS: mm						
Size	A	B	C	D	E	Base
1280	12.0	12.0	8.0	8.0	5.0	Metal
1210	12.0	12.0	10.0	7.6	5.0	Metal

Design Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Description	Price Each
710-744778	744778	Sample Kit for WE-PD small sizes, 6033/7332	
710-744777	744777	Sample Kit for WE-PD medium sizes, 7345/1260	
710-744770	744770	Sample Kit for WE-PD big sizes, 1280/1210	

1280

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Fig.	Base	Inductance (µH)	Rated Current (A)	Saturation Current (A)	DC Resist. (Ω)	DC Resist. Typical (Ω)	Self Resonant Freq. (MHz)	Price Each			Reel Qty.	Price per Piece
										1	25	100		
710-74477001	74477001	A	Metal	1.2	12.0	16.6	0.007	0.005	45				500	
710-744770015	744770015	A	Metal	1.5	10.0	12.0	0.006	-	42				500	
710-74477002	74477002	A	Metal	2.4	10.1	14.3	0.012	0.009	41				500	
710-74477003	74477003	A	Metal	3.5	8.9	9.6	0.014	0.011	37.5				500	
710-74477004	74477004	A	Metal	4.7	8.5	9.3	0.016	0.012	31.2				500	
710-74477006	74477006	A	Metal	6.1	7.6	8.6	0.018	0.015	25				500	
710-74477010	74477010	A	Metal	10	6.2	6.6	0.022	0.019	18				500	
710-744770112	744770112	A	Metal	12	5.9	6.3	0.024	0.021	16				500	
710-744770115	744770115	A	Metal	15	5.0	6.0	0.027	0.024	14.5				500	
710-744770118	744770118	A	Metal	18	4.2	5.4	0.039	0.032	13.2				500	
710-744770122	744770122	A	Metal	22	4.1	5.0	0.043	0.033	12				500	
710-744770127	744770127	A	Metal	27	3.7	3.8	0.046	0.035	10				500	
710-744770133	744770133	A	Metal	33	3.2	3.6	0.064	0.047	8.5				500	
710-744770139	744770139	A	Metal	39	3.0	3.5	0.073	0.053	8.2				500	
710-744770147	744770147	A	Metal	47	2.7	3.0	0.1	0.076	7.9				500	
710-744770156	744770156	A	Metal	56	2.4	2.9	0.11	0.085	7.1				500	
710-744770168	744770168	A	Metal	68	2.3	2.5	0.14	0.09	6.4				500	
710-744770182	744770182	A	Metal	82	2.25	2.45	0.16	0.086	3.5				500	
710-74477020	74477020	A	Metal	100	2.2	2.4	0.22	0.102	5.2				500	
710-744770218	744770218	A	Metal	180	1.4	1.6	0.35	0.188	4.2				500	
710-744770222	744770222	A	Metal	220	1.3	1.49	0.39	0.247	3.8				500	
710-744770233	744770233	A	Metal	330	1.1	1.1	0.64	0.349	3				500	
710-744770247	744770247	A	Metal	470	0.9	0.9	0.98	0.496	2.6				500	
710-744770256	744770256	A	Metal	560	0.8	0.9	1.07	0.593	2.5				500	
710-744770268	744770268	A	Metal	680	0.7	0.8	1.46	0.84	2.2				500	
710-744770282	744770282	A	Metal	820	0.6	0.8	1.64	0.936	2				500	
710-74477030	74477030	A	Metal	1000	0.6	0.7	1.82	1.04	1.8				500	

1210

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Fig.	Base	Inductance (µH)	Rated Current (A)	Saturation Current (A)	DC Resist. (Ω)	DC Resist. Typical (Ω)	Self Resonant Freq. (MHz)	Price Each			Reel Qty.	Price per Piece
										1	25	100		
710-7447709001	7447709001	B	Metal	1.0	13.0	25.0	0.006	0.004	120				250	
710-7447709002	7447709002	B	Metal	2.2	11.5	20.0	0.006	0.005	65				250	
710-7447709003	7447709003	B	Metal	3.5	11	16.5	0.009	0.006	45				250	
710-7447709004	7447709004	B	Metal	4.7	9.3	13.0	0.011	0.007	38				250	
710-7447709006	7447709006	B	Metal	6.8	8.4	12.8	0.014	0.009	23				250	
710-7447709100	7447709100	B	Metal	10	7.1	10.5	0.021	0.013	21				250	
710-7447709150	7447709150	B	Metal	15	6.5	8.0	0.026	0.021	17				250	
710-7447709220	7447709220	B	Metal	22	5.3	6.5	0.028	0.023	10				250	
710-7447709330	7447709330	B	Metal	33	4.2	5.5	0.045	0.037	8.5				250	
710-7447709390	7447709390	B	Metal	39	4.1	5.0	0.056	0.044	6				250	
710-7447709470	7447709470	B	Metal	47	3.8	4.5	0.06	0.046	6.5				250	
710-7447709680	7447709680	B	Metal	68	3.2	3.6	0.089	0.069	6				250	
710-7447709101	7447709101	B	Metal	100	2.5	3.1	0.11	0.100	6				250	
710-7447709151	7447709151	B	Metal	150	2.1	2.7	0.2	0.151	5.5				250	
710-7447709221	7447709221	B	Metal	220	1.8	2.2	0.3	0.193	2.2				250	
710-7447709271	7447709271	B	Metal	270	1.6	2.1	0.33	0.248	2.5				250	
710-7447709331	7447709331	B	Metal	330	1.5	1.7	0.43	0.363	2				250	
710-7447709471	7447709471	B	Metal	470	1.4	1.5	0.56	0.437	2				250	
710-7447709681	7447709681	B	Metal	680	1.1	1.3	0.825	0.660	1.5				250	
710-7447709821	7447709821	B	Metal	820	0.95	1.1	1.0	0.815	1.2				250	
710-7447709102	7447709102	B	Metal	1000	0.9	1.0	1.2	0.93	-				250	

WURTH ELECTRONICS SMD Inductors



This product is RoHS compliant.

SMD POWER INDUCTORS WE-PD2

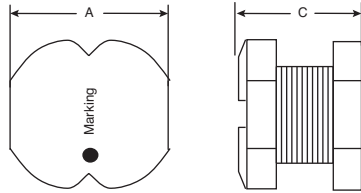
Features:

- Open size
- Current capability up to 14A
- Operating temperature: -40°C to +125°C

Applications:

- Switching regulators with low operating voltage (computer, laptop, mobile phones and pagers)
- Integrated DC/DC-converter
- Perfectly suitable for switching regulators with extremely high efficiency

DIMENSIONS: mm				
	A	B	C	D
4532	4.0	4.5	3.2	1.0
5820	5.2	5.8	2.0	2.0
5845	5.2	5.8	4.5	2.0
7850	7.0	7.8	5.0	3.0
1054	9.0	10.0	5.4	3.5



● = Start of winding

Marking = Inductance code

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	L (μH)	I _R (A)	I _{sat} (A)	R _{DC} (Ω)	R _{DC typ} (Ω)	f _{res} (MHz)	Price Each		
								1	25	100
4532										
710-7447730	7447730	1	4.0	5.72	0.049	0.014	110			
710-744773018	744773018	1.8	2.7	3.6	0.064	0.028	85			
710-744773022	744773022	2.2	2.5	3.38	0.071	0.034	74			
710-744773033	744773033	3.3	2.0	2.88	0.086	0.041	55			
710-744773047	744773047	4.7	1.82	2.46	0.11	0.059	45			
710-744773056	744773056	5.6	1.58	2.43	0.126	0.069	40			
710-744773068	744773068	6.8	1.54	2.1	0.131	0.076	35			
710-744773082	744773082	8.2	1.5	1.8	0.146	0.116	30			
710-74477310	74477310	10	1.45	1.74	0.182	0.118	30			
710-744773112	744773112	12	1.28	1.62	0.21	0.156	30			
710-744773118	744773118	18	1.1	1.29	0.338	0.225	22			
710-744773122	744773122	22	1.0	1.22	0.37	0.2261	20			
710-744773133	744773133	33	0.86	0.9	0.54	0.37	16			
710-744773139	744773139	39	0.77	0.87	0.587	0.418	15			
710-744773147	744773147	47	0.68	0.77	0.844	0.523	12			
710-744773156	744773156	56	0.64	0.75	0.937	0.714	12			
710-744773168	744773168	68	0.56	0.68	1.117	0.754	11			
5820										
710-74477450012	74477450012	0.12	10.0	14.0	0.004	0.003	250			
710-74477450027	74477450027	0.27	8.2	9.5	0.005	0.004	180			
710-74477450056	74477450056	0.56	6.5	6.5	0.01	0.008	145			
710-74477450082	74477450082	0.82	5.4	5.8	0.014	0.012	120			
710-7447745012	7447745012	1.2	4.8	4.6	0.021	0.017	96			
710-7447745017	7447745017	1.7	4.0	3.6	0.027	0.023	92			
710-7447745022	7447745022	2.2	3.6	3.5	0.036	0.03	64			
710-7447745033	7447745033	3.3	3.0	3.0	0.049	0.041	57			
710-7447745039	7447745039	3.9	2.8	2.6	0.045	0.047	48			
710-7447745047	7447745047	4.7	2.5	2.4	0.065	0.057	42			
710-7447745056	7447745056	5.6	2.3	2.1	0.078	0.07	32			
710-7447745062	7447745062	6.2	2.1	2.0	0.09	0.08	30			
710-7447745076	7447745076	7.6	1.9	1.8	0.105	0.095	29			
710-7447745100	7447745100	10	1.7	1.6	0.13	0.12	28			
5845										
710-74477410	74477410	10	2.2	2.5	0.1	0.078	26			
710-74477420	74477420	100	0.57	0.68	0.65	0.51	7			
710-744774022	744774022	2.2	4.6	8.2	0.041	0.026	54			
710-744774027	744774027	2.7	4.0	8.0	0.045	0.032	50			
710-744774033	744774033	3.3	4.0	7.5	0.06	0.042	43			
710-744774047	744774047	4.7	3.0	5.5	0.071	0.056	33			
710-744774068	744774068	6.8	2.4	5.0	0.082	0.071	28			
710-744774112	744774112	12	2.0	1.94	0.11	0.082	24			
710-744774118	744774118	18	1.45	1.69	0.15	0.104	19			
710-744774122	744774122	22	1.28	1.53	0.18	0.109	16			
710-744774127	744774127	27	1.19	1.4	0.2	0.133	15			
710-744774133	744774133	33	1.09	1.17	0.23	0.15	14			
710-744774139	744774139	39	0.94	1.1	0.32	0.215	12			
710-744774147	744774147	47	0.86	1.0	0.37	0.26	10			
710-744774168	744774168	68	0.64	0.86	0.46	0.313	10			
7850										
710-74477510	74477510	10	2.3	2.95	0.07	0.044	23			
710-74477520	74477520	100	0.77	0.86	0.43	0.208	7			
710-744775112	744775112	12	2.18	2.2	0.08	0.042	20			
710-744775118	744775118	18	1.89	2.14	0.1	0.053	17			
710-744775122	744775122	22	1.76	1.81	0.11	0.065	15			
710-744775133	744775133	33	1.35	1.47	0.13	0.088	13			
710-744775139	744775139	39	1.25	1.33	0.16	0.116	12			
710-744775147	744775147	47	1.17	1.24	0.18	0.134	10			
710-744775168	744775168	68	0.99	1.05	0.28	0.218	8			
1054										
710-74477610	74477610	10	2.98	3.24	0.06	0.028	22			
710-744776112	744776112	12	2.72	3.15	0.07	0.033	20			
710-744776118	744776118	18	2.36	1.43	0.09	0.043	18			
710-744776122	744776122	22	2.04	2.07	0.1	0.051	16			
710-744776127	744776127	27	1.95	1.98	0.11	0.063	15			
710-744776133	744776133	33	1.78	1.89	0.102	0.083	12			
710-744776147	744776147	47	1.45	1.62	0.17	0.095	11			
710-744776156	744776156	56	1.36	1.53	0.19	0.112	9			
710-744776168	744776168	68	1.19	1.49	0.22	0.138	8			
710-744776182	744776182	82	1.11	1.17	0.25	0.15	7			
710-74477620	74477620	100	1.02	1.1	0.35	0.2	7			
710-744776233	744776233	330	0.52	0.59	1.15	0.75	4			
710-744776268	744776268	680	0.36	0.43	2.25	1.245	2.5			

WURTH ELECTRONICS SMD Inductors



RoHS Compliant This product is RoHS compliant.

SMD FLAT WIRE HIGH CURRENT INDUCTORS WE-HCI

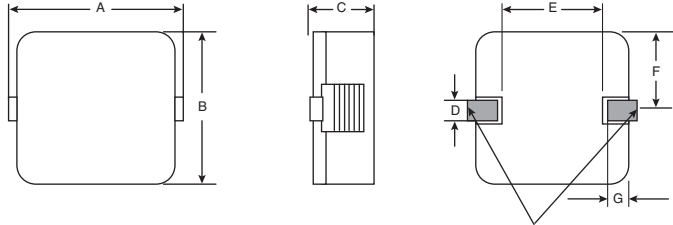
Features:

- Magnetically shielded
- Flat wire coil for low losses at high frequency
- Low stray field
- Operating temperature: -40°C to +125°C / +150°C

Applications:

- Graphic cards
- Laptops
- Industrial computers
- Motherboards
- High current switching regulators
- DC/DC converter
- Polyphase-switching regulators
- Filter

	DIMENSIONS: mm						
	A	B	C	D	E	F	G
7030	7.0	6.9	3.0	1.2	2.5	3.45	1.8
7040	7.0	6.9	3.8	1.2	3.4	3.45	1.8
7050	7.0	6.9	4.8	1.2	2.5	3.45	1.8
1040	10.5	10.2	4.0	2.5	4.2	5.1	2.0
1050	10.5	10.2	4.7	2.2	4.0	5.1	3.0
1350	13.0	12.8	4.7	2.5	6.0	6.4	3.0
1365	13.2	12.8	6.2	2.5	6.0	6.4	3.0



RDC is measured at these points



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Core Material	L (μH)	L _R (μH)	I _R (A)	I _{sat} (A)	R _{DC} (mΩ)	f _{res} (MHz)	Price Each		
									1	25	100
7030											
710-744310013	744310013	Superflux	0.13	0.11	22.0	48.0	0.91	400			
710-744310024	744310024	Superflux	0.24	0.22	18.0	40.0	1.8	220			
710-744310055	744310055	Superflux	0.52	0.43	14.0	20.0	3.7	140			
710-744310095	744310095	Superflux	0.95	0.71	11.0	13.0	6.2	90			
710-744310115	744310115	Superflux	1.15	1.0	8.5	13.0	8.6	84			
710-744310200	744310200	Superflux	2.0	1.55	6.5	9.0	14.2	58			
7040											
710-744311068	744311068	Superflux	0.68	0.52	17.0	20.0	3.1	105			
710-744311150	744311150	Superflux	1.5	1.12	11.0	14.0	6.6	72			
710-744311220	744311220	Superflux	2.2	1.75	9.0	13.0	11.4	52			
710-744311330	744311330	Superflux	3.3	2.75	6.5	11.0	17.2	43			
710-744311470	744311470	Superflux	4.7	3.5	6.0	7.0	19.5	33			
7050											
710-744314024	744314024	Superflux	0.24	0.19	20.0	28.0	1.0	320			
710-744314047	744314047	Superflux	0.47	0.38	18.0	20.0	1.35	235			
710-744314076	744314076	Superflux	0.76	0.6	15.5	15.0	2.25	200			
710-744314110	744314110	Superflux	1.1	0.78	15.0	13.0	3.15	135			
710-744314150	744314150	Superflux	1.5	1.1	13.0	11.0	4.3	110			
710-744314200	744314200	Superflux	2.0	1.35	11.5	9.0	5.85	68			
710-744314330	744314330	Superflux	3.3	2.2	9.0	8.0	9.0	65			
710-744314490	744314490	Superflux	4.9	3.4	6.5	6.5	14.5	56			
710-744314650	744314650	Superflux	6.5	4.5	6.0	6.0	21.5	50			
710-744314760	744314760	Superflux	7.6	6.0	4.2	4.8	30.2	48			
710-744314850	744314850	Superflux	8.5	6.8	4.0	4.5	32.5	44			
710-744314101	744314101	Superflux	10.0	7.5	3.5	4.0	33.0	40			
1040											
710-744355215	744355215	WE-PERM	0.15	0.13	25.0	60.0	0.58	275			
710-744355230	744355230	WE-PERM	0.3	0.25	22.0	35.0	1.1	170			
710-744355256	744355256	WE-PERM	0.56	0.47	20.0	30.0	1.61	100			
710-7443552100	7443552100	WE-PERM	1.0	0.78	16.0	20.0	3.3	80			
710-7443552150	7443552150	WE-PERM	1.5	1.1	14.0	17.0	5.3	63			
710-7443552200	7443552200	WE-PERM	2.0	1.48	11.0	13.0	7.3	53			
710-7443552280	7443552280	WE-PERM	2.8	2.1	9.5	11.0	10.6	46			
710-7443552430	7443552430	WE-PERM	4.3	3.0	8.0	8.0	14.1	33			
1050											
710-744325016	744325016	Superflux	0.16	0.14	25.0	58.0	0.51	400			
710-744325040	744325040	Superflux	0.4	0.33	24.0	37.0	0.67	160			
710-744325072	744325072	Superflux	0.72	0.6	22.0	35.0	1.3	115			
710-744325120	744325120	Superflux	1.2	1.0	20.0	25.0	1.8	65			
710-744325180	744325180	Superflux	1.8	1.4	16.0	18.0	3.5	80			
710-744325240	744325240	Superflux	2.4	1.8	14.0	17.0	4.75	67			
710-744325330	744325330	Superflux	3.3	2.4	12.0	15.0	5.9	54			
710-744325420	744325420	Superflux	4.2	3.3	11.0	14.0	7.1	33			
710-744325550	744325550	Superflux	5.5	4.3	10.0	12.0	10.3	30			
1350											
710-744355019	744355019	WE-PERM	0.19	0.17	29.0	60.0	0.5	225			
710-744355047	744355047	WE-PERM	0.47	0.41	26.0	50.0	0.9	95			
710-744355090	744355090	WE-PERM	0.9	0.66	24.0	28.0	1.6	72			
710-7443550140	7443550140	WE-PERM	1.4	1.05	22.0	26.0	2.4	60			
710-7443550230	7443550230	WE-PERM	2.3	1.6	17.5	17.0	3.7	40			
710-7443550320	7443550320	WE-PERM	3.2	2.2	16.0	15.0	5.3	34			
710-7443550480	7443550480	WE-PERM	4.8	3.55	11.0	13.0	10.5	28			
710-7443550600	7443550600	WE-PERM	6.0	4.7	9.5	11.5	13.5	22			
1365											
710-744355122	744355122	WE-PERM	0.2	0.17	32.0	65.0	0.35	230			
710-744355147	744355147	WE-PERM	0.47	0.41	30.0	50.0	0.67	100			
710-744355182	744355182	WE-PERM	0.82	0.64	27.0	35.0	0.9	72			
710-7443551111	7443551111	WE-PERM	1.13	0.75	11.0	9.5	9.1	12			
710-7443551130	7443551130	WE-PERM	1.3	0.9	25.0	25.0	1.8	59			
710-7443551131	7443551131	WE-PERM	13.0	9.0	10.0	9.0	11.2	14			
710-7443551151	7443551151	WE-PERM	15.4	10.0	9.0	8.0	14.8	15			
710-7443551200	7443551200	WE-PERM	2.0	1.4	23.0	22.0	2.6	45			
710-7443551280	7443551280	WE-PERM	2.8	1.85	20.0	17.5	3.3	35			
710-7443551370	7443551370	WE-PERM	3.7	2.6	17.0	16.0	4.9	26			
710-7443551470	7443551470	WE-PERM	4.7	3.4	13.0	15.0	7.0	30			
710-7443551600	7443551600	WE-PERM	6.0	4.5	12.0	14.0	8.4	22			
710-7443551730	7443551730	WE-PERM	7.3	5.0	13.0	12.0	5.9	28			
710-7443551920	7443551920	WE-PERM	9.2	6.6	12.0	10.5	7.8	26			

WURTH ELECTRONICS SMD Inductors



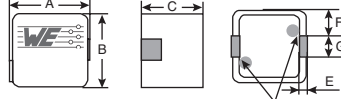
This product is RoHS compliant.



SMD HIGH CURRENT CUBE INDUCTOR, FERRITE FILTER CHOKE WE-HCC

Features:

- Magnetically shielded
- Operating temperature: -40°C to +125°C
- Current capability up to 27A



RDC is measured at these points

DIMENSIONS: mm						
Type	A	B	C	D	E	F
8070	8.4	7.9	7.2	2.3	1.5	2.75
1090	10.9	10.0	9.3	3.0	1.6	3.5
1210	12.1	11.4	9.5	3.5	2.0	3.9

Applications:

- Filter choke for DC/DC converter
- Single and polyphase buck converter
- Filter choke for motor electronics

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Type	Inductance (μF)	Rated Current (A)	Saturation Current (A)	DC Resistance (mΩ)	SRF (MHz)	Price Each			Reel Quantity	Price Per Piece
								1	25	100		
710-7443340030	7443340030	8070	0.3	20.5	36	1.4	272				500	
710-7443340047	7443340047	8070	0.47	19	32	1.72	232				500	
710-7443340068	7443340068	8070	0.68	19	23.5	1.72	181				500	
710-7443340100	7443340100	8070	1	17	24	2.95	147				500	
710-7443340150	7443340150	8070	1.5	16.5	18.5	4.4	120				500	
710-7443340220	7443340220	8070	2.2	16.5	12.5	4.4	97				500	
710-7443340330	7443340330	8070	3.3	14	8.5	6.5	81				500	
710-7443330022	7443330022	1090	0.22	21.5	60	0.6	300				400	
710-7443330033	7443330033	1090	0.33	21.5	55	0.6	250				400	
710-7443330100	7443330100	1090	1	20	27.5	1.35	100				400	
710-7443330150	7443330150	1090	1.5	18	27	2.5	78				400	
710-7443330220	7443330220	1090	2.2	16.5	22	3.7	80				400	
710-7443330330	7443330330	1090	3.3	14	15.5	5.4	51				400	
710-7443330470	7443330470	1090	4.7	13	15	8.2	49				400	
710-7443330680	7443330680	1090	6.8	11.5	11	13.2	40				400	
710-7443330820	7443330820	1090	8.2	11.5	8	13.2	36				400	
710-7443331000	7443331000	1090	10	9	8	20.7	35				400	
710-7443320033	7443320033	1210	0.33	27	55	0.53	214				300	
710-7443320047	7443320047	1210	0.47	26	48	0.72	138				300	
710-7443320068	7443320068	1210	0.68	26	38	0.72	108				300	
710-7443320100	7443320100	1210	1	24	32	1.17	96				300	
710-7443320150	7443320150	1210	1.5	19.5	27	2.1	92				300	
710-7443320220	7443320220	1210	2.2	18	23	3.05	64				300	
710-7443320330	7443320330	1210	3.3	17	17	4.4	44				300	
710-7443320470	7443320470	1210	4.7	15.5	17	6.35	43				300	
710-7443320680	7443320680	1210	6.8	13	13	8.98	42				300	
710-7443320820	7443320820	1210	8.2	13	12	9.9	34				300	
710-7443321000	7443321000	1210	10	9	10	14.4	29				300	

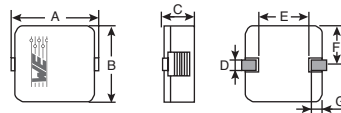
Inductors

Wurth Electronics

SMD FLAT WIRE HIGH CURRENT INDUCTOR WE-HCI

Features:

- Magnetically shielded
- Operating temperature: -40°C to +125°C/+150°C
- Flat wire coil for low losses at high frequency
- Low stray field



DIMENSIONS: mm							
Type	A	B	C	D	E	F	G
1890	18.3	18.2	8.9	4.2	8.0	9.0	5.0

Applications:

- Graphic cards
- Laptops
- Industrial computers
- Motherboards
- High current switching regulators
- DC/DC converter
- Polyphase-switching regulators
- Filter

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Type	Inductance (μF)	Rated Current (A)	Saturation Current (A)	DC Resistance (mΩ)	SRF (MHz)	Price Each			Reel Quantity	Price Per Piece
								1	25	100		
710-7443556082	7443556082	1890	0.82	41.5	65	0.54	85				250	
710-7443556130	7443556130	1890	1.3	34.5	62	0.94	78				250	
710-7443556190	7443556190	1890	1.9	32.5	52	1.2	51				250	
710-7443556260	7443556260	1890	2.6	31.5	50	1.58	42				250	
710-7443556350	7443556350	1890	3.5	22.5	37	3.1	38				250	
710-7443556450	7443556450	1890	4.5	20.5	37	3.4	35				250	
710-7443556560	7443556560	1890	5.6	19	33	3.7	28				250	
710-7443556680	7443556680	1890	6.8	18.5	27	4.1	24				250	
710-74435561100	74435561100	1890	10	15	21.5	6.9	14				250	
710-74435571100	74435571100	1890	10	16.5	18.5	6.9	16				250	
710-74435571500	74435571500	1890	15	14	14	9	14				250	
710-74435572200	74435572200	1890	22	11	11	14.6	10.5				250	
710-74435573300	74435573300	1890	33	8.5	9	21.7	9.5				250	
710-74435574700	74435574700	1890	47	6.8	7	33.5	7.5				250	

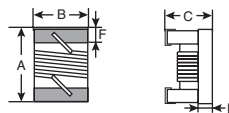
SMD WIRE WOUND CERAMIC INDUCTOR WE-KI

Features:

- High thermal stability
- Operating temperature: -40°C to +125°C

Applications:

- RF transceiver/communications
- Developed for high frequency applications
- Bluetooth and Wireless LAN



DIMENSIONS: mm								
Type	A	B	C	D	F	H	I	J
0402	1	0.55	0.5	0.2	-	0.65	0.375	0.45
0603	1.65	1.15	0.9	0.5	0.3	0.762	0.625	0.65
1008	2.5	2.0	1.6	0.5	0.5	2.2	0.9	1.2

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Type	Inductance (nH)	Test Condition Inductance	Q-Factor	Test Condition Q Factor	Rated Current (mA)	DC Resistance	SRF (MHz)	Price Each				Reel Quantity	Price Per Piece
										1	25	100	500		
710-744765010A	744765010A	0402	1	250	13	250	1360	0.045	6000					3000	
710-744765019A	744765019A	0402	1.9	250	16	250	1040	0.07	6000					3000	
710-744765020A	744765020A	0402	2	250	16	250	1040	0.07	6000					3000	
710-744765022A	744765022A	0402	2.2	250	18	250	960	0.07	6000					3000	
710-744765024A	744765024A	0402	2.4	250	16	250	790	0.068	6000					3000	
710-744765027A	744765027A	0402	2.7	250	16	250	640	0.12	6000					3000	
710-744765033A	744765033A	0402	3.3	250	20	250	840	0.066	6000					3000	
710-744765036A	744765036A	0402	3.6	250	20	250	840	0.066	6000					3000	
710-744765039A	744765039A	0402	3.9	250	20	250	840	0.066	5800					3000	

WURTH ELECTRONICS SMD Inductors



RoHS Compliant This product is RoHS compliant.

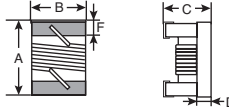
SMD WIRE WOUND CERAMIC INDUCTOR WE-KI (CONT.)

Features:

- High thermal stability
- Operating temperature: -40°C to +125°C

Applications:

- RF transmitter/communications
- Developed for high frequency applications
- Bluetooth and Wireless LAN



DIMENSIONS: mm								
Type	A	B	C	D	F	H	I	J
0402	1	0.55	0.5	0.2	-	0.65	0.375	0.45
0603	1.65	1.15	0.9	0.5	0.3	0.762	0.625	0.65
1008	2.5	2.0	1.6	0.5	0.5	2.2	0.9	1.2

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Type	Inductance (nH)	Test condition Inductance	Q-factor	Test condition Q Factor	Rated Current (mA)	DC Resistance	SRF (MHz)	Price Each				Reel Quantity	Price per Piece
										1	25	100	500		
710-744765043A	744765043A	0402	4.3	250	18	250	700	0.091	6000					3000	
710-744765047A	744765047A	0402	4.7	250	15	250	640	0.13	4775					3000	
710-744765051A	744765051A	0402	5.1	250	23	250	800	0.083	5800					3000	
710-744765056A	744765056A	0402	5.6	250	23	250	760	0.083	5800					3000	
710-744765062A	744765062A	0402	6.2	250	23	250	760	0.083	5800					3000	
710-744765068A	744765068A	0402	6.8	250	20	250	680	0.083	4800					3000	
710-744765075A	744765075A	0402	7.5	250	25	250	680	0.104	5800					3000	
710-744765082A	744765082A	0402	8.2	250	25	250	680	0.104	4400					3000	
710-744765087A	744765087A	0402	8.7	250	18	250	480	0.2	4100					3000	
710-744765090A	744765090A	0402	9	250	25	250	680	0.104	4160					3000	
710-744765095A	744765095A	0402	9.5	250	18	250	680	0.2	4000					3000	
710-744765110A	744765110A	0402	10	250	23	250	480	0.195	3900					3000	
710-744765111A	744765111A	0402	11	250	26	250	640	0.12	3680					3000	
710-744765112A	744765112A	0402	12	250	26	250	640	0.12	3600					3000	
710-744765113A	744765113A	0402	13	250	24	250	560	0.21	3450					3000	
710-744765115A	744765115A	0402	15	250	26	250	560	0.172	3280					3000	
710-744765116A	744765116A	0402	16	250	24	250	560	0.22	3100					3000	
710-744765118A	744765118A	0402	18	250	25	250	420	0.23	3100					3000	
710-744765119A	744765119A	0402	19	250	26	250	480	0.202	3040					3000	
710-744765120A	744765120A	0402	20	250	25	250	420	0.25	3000					3000	
710-744765122A	744765122A	0402	22	250	25	250	400	0.3	2800					3000	
710-744765123A	744765123A	0402	23	250	26	250	400	0.214	2720					3000	
710-744765124A	744765124A	0402	24	250	25	250	400	0.3	2700					3000	
710-744765127A	744765127A	0402	27	250	26	250	400	0.298	2480					3000	
710-744765130A	744765130A	0402	30	250	25	250	400	0.3	2350					3000	
710-744765133A	744765133A	0402	33	250	24	250	400	0.35	2350					3000	
710-744765136A	744765136A	0402	36	250	26	250	320	0.403	2350					3000	
710-744765139A	744765139A	0402	39	250	25	250	320	0.55	2100					3000	
710-744765140A	744765140A	0402	40	250	26	250	320	0.438	2240					3000	
710-744765143A	744765143A	0402	43	250	25	250	100	0.81	2030					3000	
710-744765147A	744765147A	0402	47	200	26	200	100	0.83	2100					3000	
710-744765151A	744765151A	0402	51	200	25	200	100	0.82	1750					3000	
710-744765156A	744765156A	0402	56	200	22	200	100	0.97	1760					3000	
710-744765210A	744765210A	0402	100	150	20	150	100	2.52	1300					3000	
710-744761016C	744761016C	0603	1.6	250	18	250	700	0.03	12500					3000	
710-744761043C	744761043C	0603	4.3	250	22	250	700	0.07	5900					3000	
710-744761047C	744761047C	0603	4.7	250	20	250	700	0.08	5800					3000	
710-744761051C	744761051C	0603	5.1	250	18	250	700	0.15	5700					3000	
710-744761056C	744761056C	0603	5.6	250	16	250	700	0.19	5700					3000	
710-744761075C	744761075C	0603	7.5	250	28	250	700	0.10	4800					3000	
710-744761082C	744761082C	0603	8.2	250	28	250	700	0.10	4700					3000	
710-744761087C	744761087C	0603	8.7	250	28	250	700	0.10	4600					3000	
710-744761111C	744761111C	0603	11	250	30	250	700	0.10	4000					3000	
710-744761112C	744761112C	0603	12	250	32	250	700	0.10	4000					3000	
710-744761118C	744761118C	0603	18	250	35	250	700	0.12	3100					3000	
710-744761120C	744761120C	0603	20	250	35	250	700	0.12	3100					3000	
710-744761124C	744761124C	0603	24	250	35	250	700	0.14	2650					3000	
710-744761133C	744761133C	0603	33	250	36	250	600	0.2	2300					3000	
710-744761136C	744761136C	0603	36	250	36	250	600	0.2	2080					3000	
710-744761139C	744761139C	0603	39	250	36	250	600	0.21	2200					3000	
710-744761147C	744761147C	0603	47	200	35	200	600	0.23	2000					3000	
710-744761151C	744761151C	0603	51	200	32	200	600	0.24	1950					3000	
710-744761156C	744761156C	0603	56	200	32	200	600	0.25	1900					3000	
710-744761168C	744761168C	0603	68	200	32	200	600	0.35	1700					3000	
710-744761182C	744761182C	0603	82	150	30	150	400	0.58	1700					3000	
710-744761212C	744761212C	0603	120	150	30	150	300	0.65	1300					3000	
710-744761215C	744761215C	0603	150	100	30	150	280	0.85	990					3000	
710-744761218C	744761218C	0603	180	100	25	100	250	1	990					3000	
710-744761222C	744761222C	0603	220	100	25	100	250	1.8	900					3000	
710-744761227C	744761227C	0603	270	100	25	100	200	2.1	822					3000	
710-744762033A	744762033A	1008	3.3	100	50	1000	1000	0.06	6000					2000	
710-744762082A	744762082A	1008	8.2	100	50	1000	1000	0.06	5500					2000	
710-744762110A	744762110A	1008	10	100	50	1000	1000	0.08	4300					2000	
710-744762115A	744762115A	1008	15	100	60	500	1000	0.08	2700					2000	
710-744762122A	744762122A	1008	22	100	60	350	1000	0.1	2500					2000	
710-744762127A	744762127A	1008	27	100	60	350	1000	0.1	1800					2000	
710-744762133A	744762133A	1008	33	100	60	350	1000	0.1	1700					2000	
710-744762147A	744762147A	1008	47	100	60	350	1000	0.1	1500					2000	
710-744762182A	744762182A	1008	82	100	60	350	1000	0.18	1100					2000	
710-744762210A	744762210A	1008	100	100	60	350	1000	0.18	1100					2000	
710-744762212A	744762212A	1008	120	25	45	100	800	0.2	950					2000	
710-744762215A	744762215A	1008	150	25	45	100	800	0.22	880					2000	
710-744762218A	744762218A	1008	180	25	45	100	800	0.33	800					2000	
710-744762222A	744762222A	1008	220	25	45	100	800	0.45	730					2000	
710-744762227A	744762227A	1008	270	25	45	100	600	0.75	650					2000	
710-744762233A	744762233A	1008	330	25	45	100	500	0.9	570					2000	
710-744762247A	744762247A	1008	470	25	45	100	420	1.17	480					2000	
710-744762256A	744762256A	1008	560	25	45	100	310	1.5	430					2000	
710-744762268A	744762268A	1008	680	25	45	100	230	2.06	380					2000	
710-744762282A	744762282A	1008	820	25	45	100	180	2.3	350					2000	
710-744762310A	744762310A	1008	1000	25	35	50	120	3.3	310					2000	

WURTH ELECTRONICS SMD Inductors



SHIELDED TINY POWER INDUCTORS WE-TPC



This product is RoHS compliant.

Features:

- Extremely flat power inductor
- High current capability
- High reliability and perfect soldering characteristics because of an integrated soldering pad
- Magnetically shielded which results in a low leakage field
- Operating temperature range: 40°C up to +125°C

Applications:

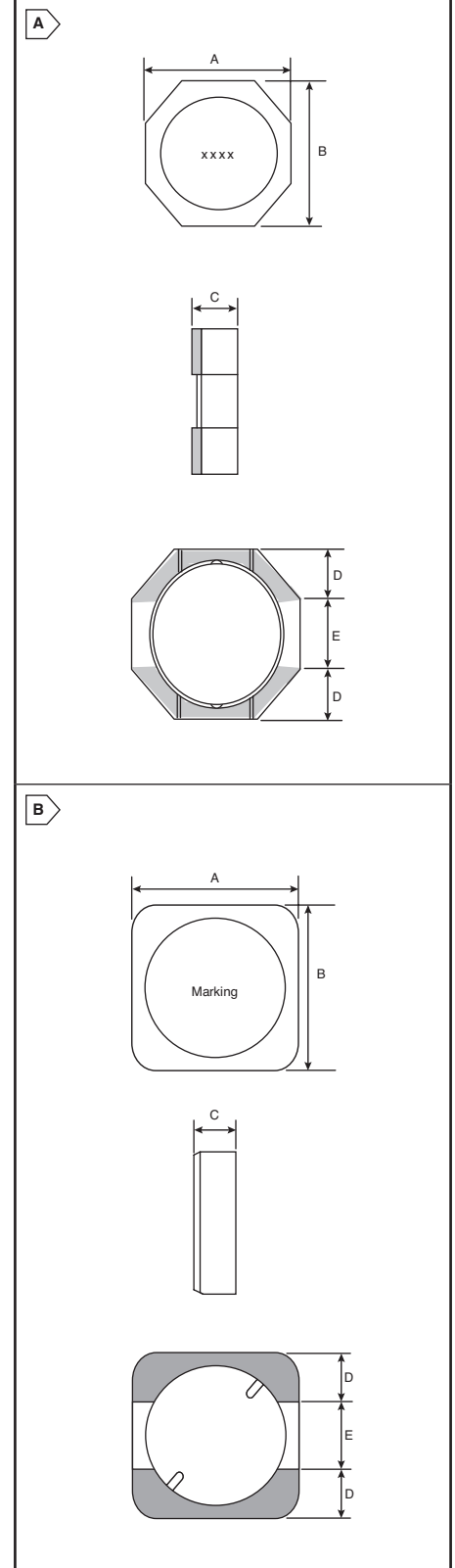
- Portable power-like PDA, digital camera, PC/MICA-cards and displays
- DC/DC converter
- Recommended for switching regulator IC's from Linear Technology, National Semiconductor, Texas Instruments, and Fairchild Semiconductor



DIMENSIONS: mm					
Size	A	B	C	D	E
2811	2.8	2.8	1.1	0.9	0.9
2813	2.8	2.8	1.4	0.9	0.9
3816	3.8	3.8	1.7	1.3	1.2
4818	4.8	4.8	1.8	1.6	1.6
4828	4.8	4.8	2.8	1.6	1.6
5818	5.8	5.8	1.8	1.9	2.0

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Fig.	Inductance (uH)	DCR typ. (Ω)	DCR max. (Ω)	Rated Current (mA)	Saturation Current (mA)	Price Each			Reel Qty.	Price Per Piece
								1	25	100		
2811												
710-74402800011	74402800011	A	0.11	0.013	0.018	4600	4800				1500	
710-74402800033	74402800033	A	0.33	0.027	0.035	3000	2400				1500	
710-74402800047	74402800047	A	0.47	0.036	0.042	2500	2000				1500	
710-74402800082	74402800082	A	0.82	0.053	0.065	2200	1600				1500	
710-744028001	744028001	A	1.00	0.065	0.085	1900	1500				1500	
710-744028002	744028002	A	2.20	0.125	0.155	1500	1000				1500	
710-744028003	744028003	A	3.30	0.185	0.220	1100	850				1500	
710-744028004	744028004	A	4.70	0.265	0.310	900	700				1500	
710-744028006	744028006	A	6.80	0.325	0.400	830	550				1500	
710-744028100	744028100	A	10.00	0.550	0.670	630	450				1500	
2813												
710-74402900011	74402900011	A	0.11	0.0110	0.0150	4800	5500				1200	
710-74402900033	74402900033	A	0.33	0.0230	0.0290	3200	2700				1200	
710-74402900047	74402900047	A	0.47	0.0290	0.0370	2800	2200				1200	
710-74402900082	74402900082	A	0.82	0.0360	0.0450	2600	1800				1200	
710-744029001	744029001	A	1.00	0.0450	0.0550	2500	1600				1200	
710-744029002	744029002	A	2.20	0.0880	0.1050	1700	1150				1200	
710-744029003	744029003	A	3.30	0.1100	0.1300	1400	950				1200	
710-744029004	744029004	A	4.70	0.1700	0.2000	1200	800				1200	
710-744029006	744029006	A	6.80	0.2500	0.3000	950	650				1200	
710-744029100	744029100	A	10.00	0.3900	0.4700	750	500				1200	
3816												
710-744031001	744031001	B	1.50	0.04	0.047	1750	1550				1000	
710-744031002	744031002	B	2.50	0.05	0.058	1450	1250				1000	
710-744031003	744031003	B	3.60	0.066	0.085	1380	1100				1000	
710-744031004	744031004	B	4.70	0.09	0.105	1200	900				1000	
710-744031006	744031006	B	6.80	0.135	0.156	850	750				1000	
710-744031100	744031100	B	10.00	0.185	0.205	740	560				1000	
710-744031150	744031150	B	15.00	0.255	0.285	620	450				1000	
710-744031220	744031220	B	22.00	0.41	0.45	510	360				1000	
710-744031330	744031330	B	33.00	0.635	0.66	420	320				1000	
710-744031470	744031470	B	47.00	0.94	1	390	250				1000	
4818												
710-744042001	744042001	B	1.00	0.0280	0.030	2700	2600				800	
710-7440420018	7440420018	B	1.80	0.0400	0.058	2350	2400				800	
710-7440420027	7440420027	B	2.70	0.0470	0.060	2030	2200				800	
710-744042003	744042003	B	3.30	0.0550	0.065	1950	1800				800	
710-7440420039	7440420039	B	3.90	0.0650	0.075	1820	1700				800	
710-744042004	744042004	B	4.70	0.0700	0.082	1720	1650				800	
710-744042005	744042005	B	5.60	0.0850	0.090	1640	1350				800	
710-744042006	744042006	B	6.80	0.0950	0.100	1500	1200				800	
710-744042008	744042008	B	8.20	0.1010	0.135	1400	1100				800	
710-744042100	744042100	B	10.00	0.1200	0.150	1300	1000				800	
710-744042120	744042120	B	12.00	0.17	0.17	1.15	0.95				800	
710-744042150	744042150	B	15.00	0.22	0.22	1.03	0.75				800	
710-744042180	744042180	B	18.00	0.28	0.28	0.92	0.7				800	
710-744042220	744042220	B	22.00	0.3	0.3	0.88	0.6				800	
710-744042330	744042330	B	33.00	0.42	0.42	0.73	0.5				800	
710-744042101	744042101	B	100.00	1.35	1.35	0.4	0.3				800	
4828												
710-74404300047	74404300047	B	0.47	0.01	0.016	3800	5000				500	
710-74404300082	74404300082	B	0.82	0.014	0.018	3500	3700				500	
710-7440430012	7440430012	B	1.20	0.0170	0.020	3100	2800				500	
710-7440430018	7440430018	B	1.80	0.0200	0.025	2700	2450				500	
710-7440430022	7440430022	B	2.20	0.0230	0.028	2500	2350				500	
710-7440430027	7440430027	B	2.70	0.0270	0.030	2350	1950				500	
710-744043003	744043003	B	3.30	0.0300	0.035	2150	1800				500	
710-7440430039	7440430039	B	3.90	0.0470	0.060	1720	1650				500	
710-744043004	744043004	B	4.70	0.0520	0.070	1550	1700				500	
710-744043005	744043005	B	5.60	0.0800	0.085	1380	1300				500	
710-744043006	744043006	B	6.80	0.0800	0.090	1300	1250				500	
710-744043008	744043008	B	8.20	0.0850	0.100	1250	1050				500	
710-744043100	744043100	B	10.00	0.0950	0.110	1190	1000				500	
710-744043120	744043120	B	12.00	0.1080	0.125	1120	950				500	
710-744043150	744043150	B	15.00	0.1240	0.150	1030	750				500	
710-744043180	744043180	B	18.00	0.1380	0.160	980	700				500	
710-744043220	744043220	B	22.00	0.1550	0.185	925	700				500	
710-744043330	744043330	B	33.00	0.1950	0.230	820	550				500	
710-744043470	744043470	B	47.00	0.2500	0.280	750	500				500	
710-744043680	744043680	B	68.00	0.3400	0.400	630	400				500	
710-744043101	744043101	B	100.00	0.5200	0.600	510	300				500	
5818												
710-7440520012	7440520012	B	1.20	0.020	0.030	3000	3500				500	
710-7440520018	7440520018	B	1.80	0.024	0.035	2600	3000				500	
710-744052002	744052002	B	2.50	0.030	0.040	2400	2700				500	
710-744052003	744052003	B	3.00	0.035	0.045	2200	2400				500	
710-7440520039	7440520039	B	3.90	0.047	0.055	2000	2100				500	
710-744052005	744052005	B	5.00	0.047	0.060	1650	1800				500	
710-744052006	744052006	B	6.20	0.060	0.080	1450	1600				500	
710-744052007	744052007	B	7.50	0.070	0.090	1350	1500				500	
710-744052100	744052100	B	10.00	0.106	0.130	1100	1250				500	



WURTH ELECTRONICS SMD Inductors



SHIELDED TINY POWER INDUCTORS WE-TPC (CONT.)

This product is RoHS compliant.

Features:

- Extremely flat power inductor
- High current capability
- High reliability and perfect soldering characteristics because of an integrated soldering pad
- Magnetically shielded which results in a low leakage field
- Operating temperature range: 40°C up to +125°C

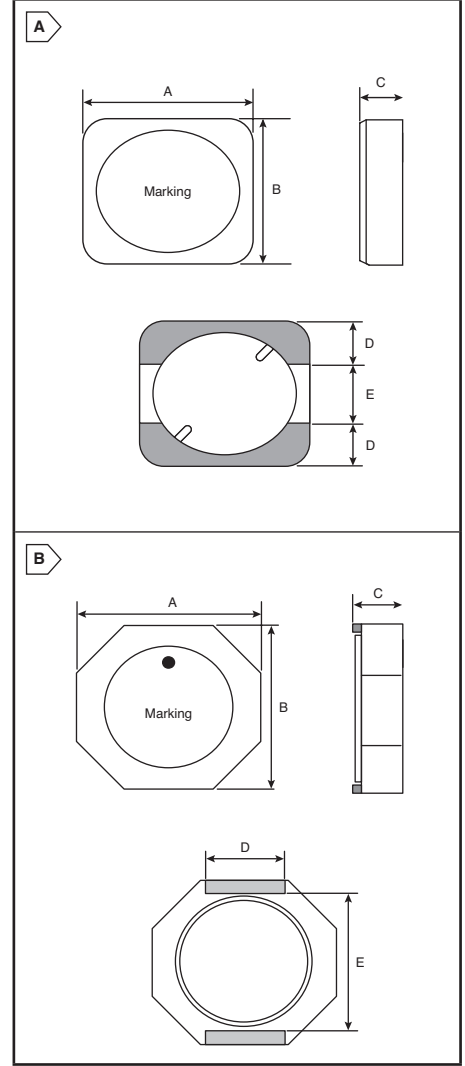
Applications:

- Portable power-like PDA, digital camera, PC/MICA-cards and displays
- DC/DC converter
- Recommended for switching regulator IC's from Linear Technology, National Semiconductor, Texas Instruments, and Fairchild Semiconductor

DIMENSIONS: mm					
Size	A	B	C	D	E
5828	5.8	5.8	2.8	1.9	2.0
1028	10.0	10.0	2.8	3.2	7.4
1038	10.0	10.0	3.8	3.2	7.4

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Fig.	Inductance (uH)	DCR typ. (Ω)	DCR max. (Ω)	Rated Current (mA)	Saturation Current (mA)	Price Each			Reel Qty.	Price per Piece
								1	25	100		
5828												
710-744053002	744053002	A	2.6	0.0220	0.030	3000	2700				400	
710-744053003	744053003	A	3.0	0.0240	0.030	2800	2500				400	
710-7440530047	7440530047	A	4.7	0.0300	0.038	2400	1950				400	
710-744053005	744053005	A	5.3	0.0300	0.040	2300	1900				400	
710-744053006	744053006	A	6.2	0.0350	0.045	2200	1700				400	
710-744053008	744053008	A	8.2	0.0400	0.055	2100	1600				400	
710-744053100	744053100	A	10.0	0.0500	0.070	1500	1400				400	
710-744053120	744053120	A	12.0	0.0600	0.080	1460	1250				400	
710-744053150	744053150	A	15.0	0.0700	0.100	1380	1150				400	
710-744053180	744053180	A	18.0	0.0880	0.110	1250	1100				400	
710-744053220	744053220	A	22.0	0.0950	0.120	1150	900				400	
710-744053270	744053270	A	27.0	0.1250	0.160	1050	800				400	
710-744053330	744053330	A	33.0	0.1550	0.190	900	700				400	
710-744053470	744053470	A	47.0	0.2200	0.250	820	650				400	
710-744053680	744053680	A	68.0	0.2750	0.350	620	560				400	
710-744053101	744053101	A	100.0	0.360	0.480	450	450				400	
1028												
710-744065001	744065001	B	1.0	0.0058	0.0065	8000	9500				1000	
710-7440650015	7440650015	B	1.5	0.0085	0.0100	7200	7500				1000	
710-7440650022	7440650022	B	2.2	0.0104	0.0150	6200	5900				1000	
710-7440650033	7440650033	B	3.3	0.0150	0.0200	5300	4700				1000	
710-7440650047	7440650047	B	4.7	0.0200	0.0230	4600	4200				1000	
710-7440650082	7440650082	B	8.2	0.0310	0.0370	3800	2800				1000	
710-744065100	744065100	B	10.0	0.0450	0.0530	3000	2500				1000	
710-744065150	744065150	B	15.0	0.0750	0.0900	2200	2250				1000	
710-744065220	744065220	B	22.0	0.1100	0.1350	1800	1900				1000	
710-744065330	744065330	B	33.0	0.1400	0.1800	1600	1300				1000	
710-744065470	744065470	B	47.0	0.1800	0.2300	1400	1150				1000	
710-744065560	744065560	B	56.0	0.2100	0.2700	1250	1100				1000	
710-744065680	744065680	B	68.0	0.2300	0.3000	1200	1050				1000	
710-744065820	744065820	B	82.0	0.3100	0.4200	1100	1000				1000	
710-744065101	744065101	B	100.0	0.3300	0.4700	1000	900				1000	
710-744065121	744065121	B	120.0	0.4200	0.5600	900	850				1000	
710-744065151	744065151	B	150.0	0.5300	0.6800	850	750				1000	
1038												
710-7440660015	7440660015	B	1.5	0.0062	0.0075	7200	10000				800	
710-7440660022	7440660022	B	2.2	0.0080	0.0105	6700	6800				800	
710-7440660035	7440660035	B	3.5	0.0115	0.0150	5800	6400				800	
710-744066005	744066005	B	5.0	0.0165	0.0220	4900	5500				800	
710-7440660062	7440660062	B	6.2	0.0200	0.0240	4300	4500				800	
710-744066100	744066100	B	10.0	0.0280	0.0350	3600	4000				800	
710-744066150	744066150	B	15.0	0.0400	0.0500	3200	3250				800	
710-744066220	744066220	B	22.0	0.0600	0.0750	2500	2300				800	
710-744066330	744066330	B	33.0	0.0920	0.1120	2100	1800				800	
710-744066470	744066470	B	47.0	0.1320	0.1600	1750	1850				800	
710-744066680	744066680	B	68.0	0.1850	0.2160	1500	1500				800	
710-744066101	744066101	B	100.0	0.2550	0.3000	1200	1200				800	
710-744066151	744066151	B	150.0	0.3950	0.4700	1000	1100				800	
710-744066221	744066221	B	220.0	0.5700	0.7400	750	850				800	
710-744066331	744066331	B	330.0	0.8500	1.0000	600	700				800	



SMD COMMON MODE NOISE SUPPRESSORS WE-CNSW

Features:

- High common-mode noise suppression at high frequency
- Small influence for high speed signals through winding symmetry

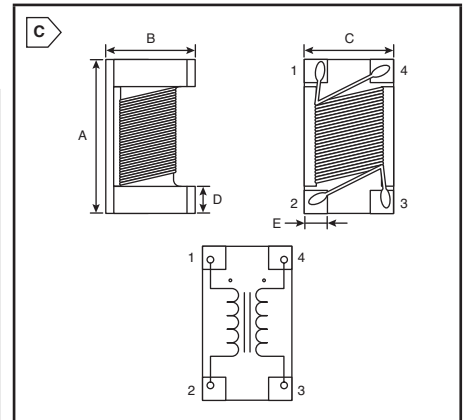
Applications:

- USB 2.0
- Firewire/IEEE 1394
- LVDS
- High speed data lines
- Common mode filters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Fig.	Impedance (Ω)	Rated Volt. (V)	DC Resistance (Ω)	Rated Current (mA)	Pack Size	Price Each			Reel Qty.	Price per Piece
								1	25	100		
0805												
710-744231061	744231061	C	67	50	0.25	400	2000				2000	
710-744231091	744231091	C	90	50	0.30	370	2000				2000	
710-744231121	744231121	C	120	50	0.30	370	2000				2000	
710-744231181	744231181	C	180	50	0.35	330	2000				2000	
710-744231261	744231261	C	260	50	0.40	300	2000				2000	
710-744231371	744231371	C	370	50	0.45	280	2000				2000	
1206												
710-744232090	744232090	C	90	50	0.3	370	2000				2000	
710-744232161	744232161	C	160	50	0.4	340	2000				2000	
710-744232261	744232261	C	260	50	0.5	310	2000				2000	
710-744232601	744232601	C	600	50	0.8	260	2000				2000	
710-744232102	744232102	C	1000	50	1.0	230	2000				2000	
710-744232222	744232222	C	2200	50	1.2	200	2000				2000	

DIMENSIONS: mm					
Type	A	B	C	D	E
0805	2.00	1.20	1.20	0.45	0.40
1206	3.20	1.90	1.60	0.60	0.60



WURTH ELECTRONICS Inductors and Coils



RoHS compliant This product is RoHS compliant.

SMD COMMON MODE CHOKES FOR SIGNAL LINES WE-SL2

- Features:**
- For distortion-free removal of noise from transmitted electrical signals
 - Double current-compensated choke
 - Offering a wide bandwidth with the core materials NiZn / MnZn
 - Ambient temperature: -40°C to +85°C
 - Nominal voltage: 80 VDC (42V AC)
 - UL compliant housing

- Applications:**
- Current compensated choke for data and signal lines
 - Power supply systems
 - Filter for measurement signals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (uH)	Tol. (%)	RDC (Ω)	IDC (mA)	Impedance max (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.							1	25	100		
710-744226		A	2 x 10	30	0.08	1.6	920				1000	
710-744226S		A	2 x 10	30	0.08	1.6	920				1000	
710-744228		A	2 x 25	30	0.12	1.0	2800				1000	
710-744228S		A	2 x 25	30	0.12	1.0	2800				1000	
710-744225		A	2 x 40	30	0.25	0.9	3100				1000	
710-744225S		A	2 x 40	30	0.25	0.9	3100				1000	
710-744227		A	2 x 51	30	0.16	1.0	5500				1000	
710-744227S		A	2 x 51	30	0.16	1.0	5500				1000	
710-744224		A	2 x 250	50	0.13	1.2	1800				1000	
710-744223		A	2 x 500	50	0.15	1.0	3300				1000	
710-744222		A	2 x 1000	50	0.31	0.8	6000				1000	
710-744221		A	2 x 2000	50	0.42	0.6	9200				1000	
710-744220		A	2 x 4700	50	0.75	0.5	20000				1000	
710-744229		A	2 x 6500	50	0.95	0.4	18400				1000	

SMD COMMON MODE LINE FILTERS WE-SL5

- Features:**
- Small size
 - Low profile
 - High impedance up to 13000 Ω
 - High current up to 2500 mA
 - Low stray/leakage inductance
 - UL compliant housing (UL 94-V0)
 - Rated voltage 60V

- Applications:**
- USB
 - CAN
 - Firewire
 - Data lines
 - Power lines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (uH)	Tol. (%)	RDC (Ω)	IDC (mA)	Impedance max (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.							1	25	100		
710-744272121		B	2 x 120	40	0.025	2500	460				800	
710-744272221		B	2 x 220	40	0.032	2200	780				800	
710-744272251		B	2 x 250	40	0.035	2000	970				800	
710-744272471		B	2 x 470	40	0.065	1600	1750				800	
710-744272102		B	2 x 1000	40	0.18	950	3600				800	
710-744272222		B	2 x 2200	40	0.3	750	7500				800	
710-744272332		B	2 x 3300	40	0.36	650	8900				800	
710-744272392		B	2 x 3900	40	0.54	520	9600				800	
710-744272472		B	2 x 4700	40	0.72	350	13000				800	

SMD COMMON MODE LINE FILTERS WE-SLM

- Features:**
- Small size
 - High current up to 300 mA
 - Nominal voltage: 80V DC (42V AC)
 - Operating temperature: -40°C to +125°C
 - Recommended soldering profile: Reflow

- Applications:**
- USB
 - CAN
 - Firewire
 - Data lines
 - Filter for measurement signals
 - Power supplies

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Inductance (uH)	Tol. (%)	RDC (Ω)	IDC (mA)	Impedance max (Ω)	Price Each			Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.							1	25	100		
710-744242110		C	11	+50/-30	0.18	300	800				500	
710-744242220		C	22	+50/-30	0.23	300	1500				500	
710-744242330		C	33	+50/-30	0.27	300	2000				500	
710-744242510		C	51	+50/-30	0.32	300	2500				500	
710-744242101		C	100	+50/-30	0.58	300	4000				500	
710-744242471		C	470	+50/-30	0.35	400	2200				500	

DESIGN KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Description	Price Each
710-744728	744728	Assortment of SMD Power Chokes--Texas Instruments 5 different types, 35 values, and 176 components	
710-744725	744725	Common mode chokes WE-CNSW and WE-SL/SL1/LS2/SL3/SI5 7 different types, 35 values, and 425 components	
710-744062	744062	Assortment of SMD Inductors--WE-TPC, large size	
710-744043	744043	Assortment of SMD Inductors--WE-TPC, medium size	
710-744028	744028	Assortment of SMD Inductors--WE-TPC, small size	

WE-WPC WIRELESS POWER CHARGING COILS

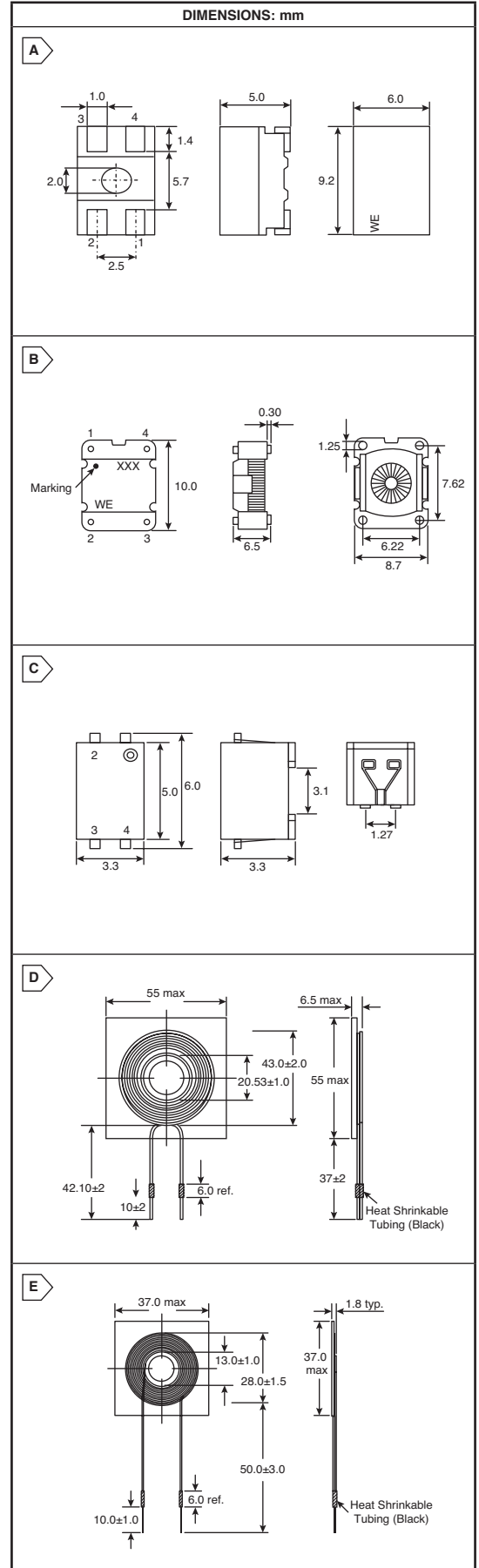
- Characteristics:**
- Qi standard compliant
 - Evaluated and approved from several IC-Manufacturers

- Applications:**
- Cell Phones/Smartphones
 - Headsets
 - Digital Cameras
 - Hand Held Devices



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Würth Electronics Part No.	Fig.	Inductance (uH)	Q	Rated Current (A)	Saturation Current (A)	DCR (Ω)	Price Each			
								1	25	50	100
710-760308101	760308101	D	24	90	5.5	10.0	0.07				
710-760308201	760308201	E	10	50	4.5	8.0	0.16				



ABRACON Antennas



This page of product is RoHS compliant.



APAMS SERIES - EXTERNAL GSM ANTENNAS

Features:

- High reliability/sensitivity
- Compact size
- Easy to install (magnetic base/adhesive tape)
- SGS

Specifications:

- VSWR: 2:1
- Termination style: RF connector
- Impedance: 50Ω

Applications:

- Wireless communications
- GSM
- GPRS
- CDMA
- UMTS
- Vehicle monitoring

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Bandwidth (MHz)		Gain (dBi)		Cable Length (m)	Dimensions: mm				Price Each				
			@900MHz	@1800MHz	@900MHz	@1800MHz		Diameter	Length	Width	Height	1	10	25	50	
815-APAMS-101	APAMS-101	A	140	280	1	2	2.5	-	115	22	-	-	-	-	-	-
815-APAMS-102	APAMS-102	B	140	170	1	2	3	-	138	21	6	-	-	-	-	-
815-APAMS-103	APAMS-103	C	90	170	2	2	2	-	78	25	3.8	-	-	-	-	-
815-APAMS-104	APAMS-104	D	70	170	2	3.5	2.5	30	111	-	-	-	-	-	-	-

APAMPS SERIES - GPS+GSM ACTIVE ANTENNA MODULES

Features:

- Dual band
- High reliability/sensitivity
- Compact size, easy to install
- SGS

Specifications:

- Frequency range: 1575.42MHz to 1576.44
- VSWR: 1.5:1
- Termination style: RF connector
- Impedance: 50Ω

Applications:

- GPS navigation
- Vehicle tracking
- Telemetry applications
- Asset tracking
- Emergency call systems

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Bandwidth (MHz)	Gain (dBi)	Cable Length (m)	Dimensions: mm		Price Each			
						Diameter	Length	1	10	25	50
815-APAMPS-105	APAMPS-105	E	10	5	3	76.8	15.8	-	-	-	-
815-APAMPS-106	APAMPS-106	F	10	5	2	75	14.1	-	-	-	-

APAMP SERIES - GPS ACTIVE ANTENNA MODULE

Features:

- High reliability/sensitivity
- Compact size
- Easy to install (magnetic base/adhesive tape)
- SGS

Specifications:

- Frequency range: 1575.42MHz to 1576.44
- VSWR: 1.5:1
- Termination style: RF connector
- Impedance: 50Ω

Applications:

- Automotive navigation
- Automotive monitoring
- Personal tracking

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Bandwidth (MHz)	Gain (dBi)	Cable Length (m)	Dimensions: mm			Price Each			
						Length	Width	Height	1	10	25	50
815-APAMP-107	APAMP-107	G	10	5	3	48.6	39.2	15.2	-	-	-	-
815-APAMP-108	APAMP-108	H	10	5	3	54.5	44.5	15.8	-	-	-	-
815-APAMP-109	APAMP-109	I	10	5	3	50.6	50.6	15.1	-	-	-	-
815-APAMP-110	APAMP-110	J	10	5	3	49.2	40	15.2	-	-	-	-
815-APAMP-111	APAMP-111	K	10	5	3	38.3	35	12	-	-	-	-
815-APAMP-112	APAMP-112	L	10	5	3	46	38	15	-	-	-	-
815-APAMP-113	APAMP-113	M	10	5	2.5	38	34	12	-	-	-	-
815-APAMP-114	APAMP-114	N	5	1	3	26	23	12	-	-	-	-
815-APAMP-115	APAMP-115	O	10	3.5	3	40	35	13.1	-	-	-	-
815-APAMP-116	APAMP-116	P	10	5	3	44	37	14.5	-	-	-	-

MURATA Band Pass and Low Pass Filters



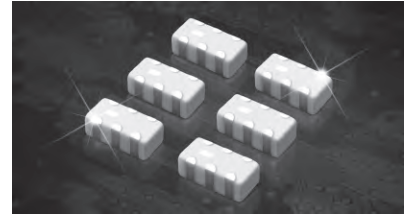
This product is RoHS compliant.

Murata's world's smallest 2.4 GHz balanced output filter for Texas Instruments wireless connectivity solutions. The new filter has been designed specifically for use with wireless connectivity system-on-chips (SoCs) from Texas Instruments Incorporated (TI), the CC253x and CC254x for ZigBee and Bluetooth technology networking respectively.

Ultra-small, low-profiled, lightweight chip filters based on ceramic multilayer technology. Extremely ultra-small band-pass filters.

Features:

- Ultra-small, low-profiled, lightweight band-pass filters
- Absolutely no adjustment required
- Reflow solderable
- Available in tape and reel packaging for automatic mounting
- Applicable for applications using frequency in the 0.5GHz to 0.6GHz



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Unbalance Port Impedance (Ω)	Application	Frequency Range (GHz)	Insertion Loss (dB Max.)	Attenuation	Price Each	Reel Quantity	Price Per Piece
81-LFB182G45BG2D280	LFB182G45BG2D280	50	Zigbee and Bluetooth	2450.00 ± 50.00 MHz	1.75 dB max. at 25°C	20.0 dB min. at 25 °C; 19.0 dB min. at -40~+85 °C @ 4800.00 ~ 5000.00 MHz 20.0 dB min. at 25 °C; 19.0 dB min. at -40~+85 °C @ 7200.00 ~ 7500.00 MHz		4000	

LIGHTWEIGHT CHIP FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Unbalance Port Impedance (Ω)	Application	Frequency Range (GHz)	Insertion Loss (dB Max.)	Attenuation	Price Each	Reel Quantity	Price Per Piece
81-LFB322G45SN1A504	LFB322G45SN1A504	50	WIMAX	2600MHz ± 100MHz	3.3dB max. (at 25°C) 3.6dB max. (-40to+85°C) 47dB min. at 824to960MHz	39dB min. at 1710to1990MHz 39dB min. at 1710to1990MHz 29dB min. at 2110to2170MHz 20dB min. at 7500to8100MHz		2000	
81-LFL151G81TC1B786	LFL151G81TC1B786	50	GSM1800/1900	1810MHz ± 100MHz	0.60dB max. (at 25°C) 0.70dB max. (-40to+85°C)	23dB min. at 3420to3570MHz 21dB min. at 3700to3820MHz 19dB min. at 3x(f0±100)MHz		2000	
81-LFL15869MTC1B787	LFL15869MTC1B787	50	GSM850/900	869.5MHz ± 45.5MHz	0.50dB max. (at 25°C)	18dB min. at 2x(f0±45.5)MHz 17dB min. at 3x(f0±45.5)MHz		2000	
81-LFB2H2G60BB1C106	LFB2H2G60BB1C106	50	WIMAX	2600MHz ± 100MHz	3.3dB max. (at 25°C) 3.6dB max. (-40to+85°C)	47dB min. at 824to960MHz 39dB min. at 1710to1990MHz 29dB min. at 2110to2170MHz 20dB min. at 7500to8100MHz		3000	
81-LFB2H2G60BB1B973	LFB2H2G60BB1B973	50	WIMAX	2600MHz ± 100MHz	3.3dB max. (at 25°C) 3.6dB max. (-40to+85°C)	39dB min. at 1710to1990MHz 29dB min. at 2110to2170MHz 20dB min. at 7500to8100MHz		3000	
81-LFB182G45SG9A246	LFB182G45SG9A246	50	W-LAN/BT	2450MHz ± 50MHz	2.2dB max. (at 25°C) 2.2dB max. (at 25°C)	24.5dB min. at 880to960MHz 12.5dB min. at 1710to1990MHz 15.5dB min. at 4800to5000MHz 19.5dB min. at 7200to7500MHz		4000	
81-LFB212G45SG8A127	LFB212G45SG8A127	50	W-LAN/BT	2450MHz ± 50MHz	1.5dB max. (at 25°C) 1.7dB max. (-40to+85°C)	25dB min. at 1200to1300MHz 10.0dB min. at 2000MHz 30dB min. at 3600to3800MHz 34dB min. at 4800to5000MHz		4000	
81-LFB212G45SG8A166	LFB212G45SG8A166	50	W-LAN/BT	2450MHz ± 50MHz	1.4dB max. (at 25°C) 1.6dB max. (-40to+85°C)	30dB min. at 824to960MHz 30dB min. at 1710to1910MHz 6dB min. at 2110to2170MHz 20dB min. at 4800to5000MHz		4000	
81-LFB212G49SG8B830	LFB212G49SG8B830	50	WIMAX	2495MHz ± 195MHz	2.4dB max. (at 25°C) 2.6dB max. (-40to+85°C)	30dB min. at 824to960MHz 9dB min. at 1710to1990MHz 9dB min. at 1710to1990MHz 30dB min. at 4600to5380MHz 30dB min. at 6900to8070MHz		4000	
81-LFB213G60SG8B831	LFB213G60SG8B831	50	WIMAX	3600MHz ± f0±300MHz	1.5dB max. (at 25°C) 1.8dB max. (-40to+85°C)	32dB min. at 824to960MHz 24dB min. at 1710to1990MHz 21dB min. at 1990to2170MHz 28.5dB min. at 6900to8070MHz		4000	
81-LFB215G37SG8A185	LFB215G37SG8A185	50	WLAN/BT	5375MHz ± 475MHz	2.2dB max. (at 25°C) 2.5dB max. (-40to+85°C)	40dB min. at 340to1195MHz 21dB min. at 2140to3580MHz 21dB min. at 2140to3580MHz 20dB min. at 8570to8930MHz		4000	
81-LFL182G45TC3B746	LFL182G45TC3B746	50	WLAN/BT	2450MHz ± 50MHz	0.60dB max. (at 25°C) 0.70dB max. (-40to+85°C)	35dB min. at 2x(f0±50)MHz 30dB min. at 3x(f0±50)MHz		4000	
81-LFL182G50TC1B905	LFL182G50TC1B905	50	WIMAX	2500MHz ± 200MHz	0.4dB max. (at 25°C) 0.43dB max. (-40to+85°C)	21dB min. at 4600to5400MHz 22dB min. at 6900to8100MHz		4000	
81-LFL182G54TC1B838	LFL182G54TC1B838	50	WIMAX	2545MHz ± 145MHz	0.4dB max. (at 25°C) 0.43dB max. (-40to+85°C)	26dB min. at 4800to5390MHz 23dB min. at 7200to8085MHz 7dB min. at 8000to10000MHz		4000	
81-LFL183G55TC2B908	LFL183G55TC2B908	50	WIMAX	3550MHz ± 250MHz	0.45dB max. (at 25°C) 0.55dB max. (-40to+85°C)	17dB min. at 6600to7600MHz 20dB min. at 9900to11400MHz		4000	
81-LFL211G44TC1A014	LFL211G44TC1A014	50	-	10.700MHz ± 30MHz	6.0dB ± 2.0dB	35dB min. at 9MHz 35dB min. at 12MHz		4000	
81-LFL212G45TC1A007	LFL212G45TC1A007	50	WLAN	2450MHz ± 50MHz	0.50 max. (at 25°C)	27dB min. at 2x(f0±50.0)MHz 30dB min. at 3x(f0±50.0)MHz 30dB min. at 4x(f0±50.0)MHz		4000	
81-LFL215G37TC1A210	LFL215G37TC1A210	50	WLAN	5375MHz ± 475MHz	0.70 max. (at 25°C) 0.90dB max. (-40to+85°C)	30dB min. at 2x(f0±475)MHz 20 min. at 3x(f0±475)MHz		4000	
81-LFL152G45TC1A219	LFL152G45TC1A219	50	WLAN/BT	2450MHz ± 50MHz	0.45dB max. (at 25°C) 0.55dB max. (-40to+85°C)	21dB min. at 2x(f0±50.0)MHz 21dB min. at 3x(f0±50.0)MHz		10000	

MURATA Ceramic Filters (Cerafil®)

 This product is RoHS compliant.



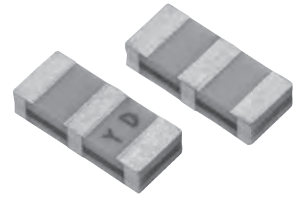
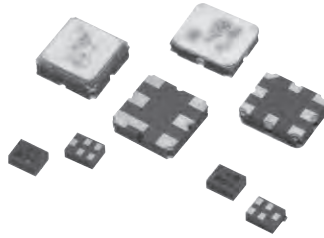
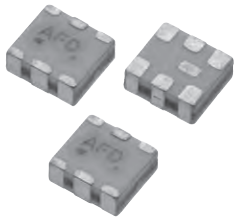
NEW TECHNOLOGY

Signal Conditioning

Murata

NEW TECHNOLOGY

NEW TECHNOLOGY



SFECF

SFECF10M7 series for FM-receivers are small, high performance and super thin (1.4mm max.) filters. Piezoelectric element is connected in the sandwich shape by ceramics substrate. They have 1.4mm max. thickness and small mounting area. (3.45x3.1mm)
SFECF series and CDSCB series (MHz Discriminator) enable customers to make VICS/RKE/TPMS set so thin and small sized.

SFELF

SFELA10M7 series for FM-receivers are monolithic type ceramic filters which use the thickness expander mode of the piezoelectric ceramic.

Features:

- Insertion loss is 1 to 1.5dB lower than conventional products
- These types are useful for elevating the sensitivity of sets
- Small dispersion and stable characteristics
- Excellent shape factor of frequency response
- Good waveform symmetry

SFSCE

SFSCE series are chip surface mount filters available for 3dB bandwidth at 700kHz to 1.3MHz. (more than twice width compared with current types) They have 1.0mm max. thickness and small mounting area (4.5x3.8mm).

Features:

- The filters are mountable by automatic placers.
- They are slim, at only 1.0mm max. thickness, and have a small mounting area (4.5x3.8mm) enabling flexible PCB design.
- Available lead (Pb) free solder reflow.
- Operating temperature range: -20 to +80 (degrees C)
- Storage temperature range: -40 to +85 (degrees C)

Applications:

- SS digital communication system
- Digital wireless audio
- PHS Evolution system
- RFID Reader Writer
- RKE

SFECV

SFECV/SFECK10M7 series for FM-receivers are monolithic type ceramic filters which utilize the thickness expander mode of piezoelectric ceramics. SFECV series enable customers to make AM/FM set very thin, and it can be of help to the total chip circuit.

SFVLF

SFELF10M7LFTA/KAH0, SFVLF/SFKLF series realizes narrower band characteristics not obtained by conventional ceramic filters. Besides, low spurious and temperature characteristics is stable. This series is suitable for European car-audio or AM up conversion use that needs narrow band characteristics are stable. As part of the environment protection activity, solder for terminal plating and terminal-element connection inside of ceramic filters contain no lead (Pb).

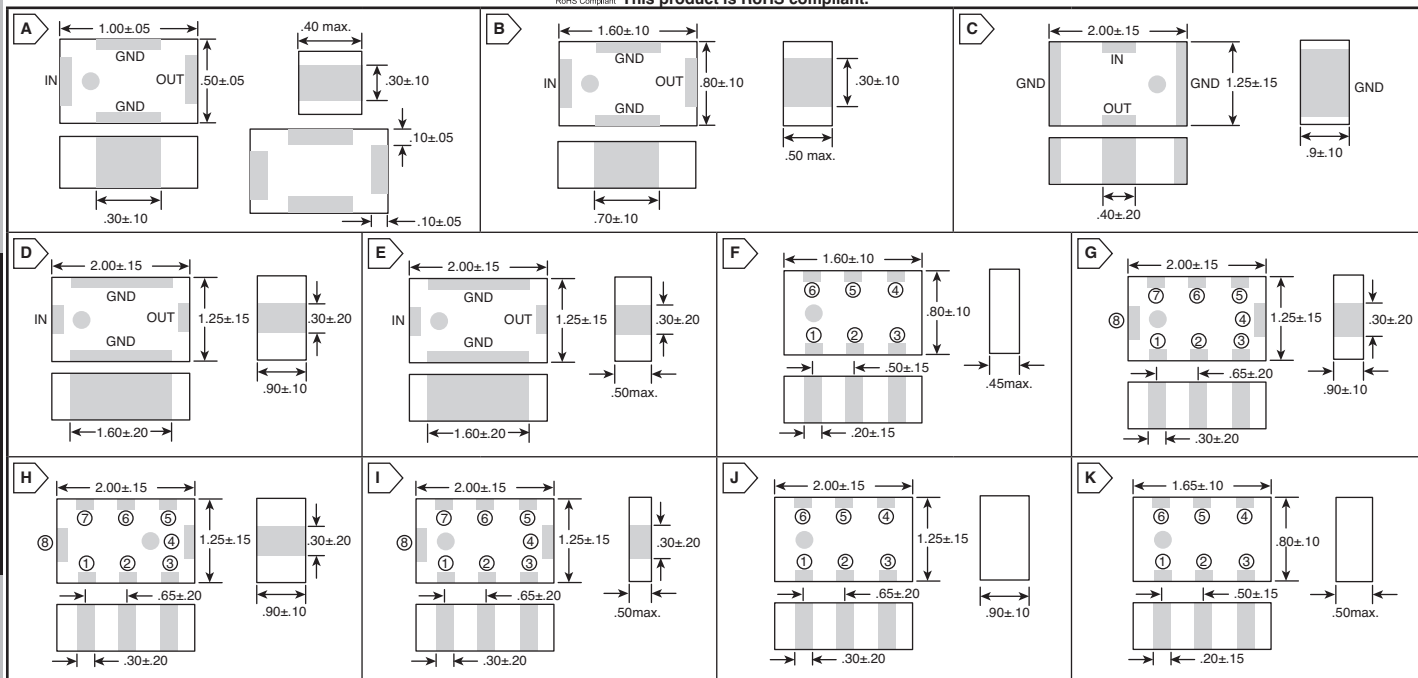
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Unbalance Port Impedance (Ω)	Frequency Range (GHz)	Insertion Loss (dB Max.)	Attenuation	Price Each			
						1	50	100	500
Small Chip Type SFECF Series									
81-SFECF10M7DF00-R0	SFECF10M7DF00-R0	330	10.700MHz ± 150kHz	6.0dB ± 3.0dB	20dB min. at 9MHz 20dB min. at 12MHz				
81-SFECF10M7EA00-R0	SFECF10M7EA00-R0	330	10.700MHz ±30kHz	3.0dB ± 2.0dB	30dB min. at 9MHz 30dB min. at 12MHz				
81-SFECF10M7FA00-R0	SFECF10M7FA00-R0	330	10.700MHz ±30kHz	3.0dB ± 2.0dB	30dB min. at 9MHz 30dB min. at 12MHz				
81-SFECF10M7GA00-R0	SFECF10M7GA00-R0	330	10.700MHz ±30kHz	3.5dB ±2.0dB	30dB min. at 9MHz 30dB min. at 12MHz				
81-SFECF10M7HA00-R0	SFECF10M7HA00-R0	330	10.700MHz ±30kHz	4.0dB ±2.0dB	30dB min. at 9MHz 30dB min. at 12MHz				
81-SFECF10M7DF0021R0	SFECF10M7HA00-R0	330	10.700MHz ±30kHz	4.0dB ±2.0dB	30dB min. at 9MHz 30dB min. at 12MHz				
81-SFECF10M7FA00-R0	SFECF10M7FA00-R0	330	10.700MHz ±30kHz	4.0dB ±2.0dB	30dB min. at 9MHz 30dB min. at 12MHz				
Narrow Band Type SFECV Series									
81-SFECV10.7MS3	SFECV10M7HA00-R0	330	10.700MHz ±30kHz	4.0dB ±2.0dB	30dB min. at 9MHz 30dB min. at 12MHz				
81-SFECV10M7FA00-R0	SFECV10M7FA00-R0	330	10.700MHz ±30kHz	4.0dB ±2.0dB	30dB min. at 9MHz 30dB min. at 12MHz				
81-SFECV10M7KA00-R0	SFECV10M7KA00-R0	330	10.700MHz ±30kHz	6.0dB ±2.0dB	35dB min. at 9MHz 35dB min. at 12MHz				
Standard Lead Type SFELF Series									
81-SFELF10M7DF0021B0	SFELF10M7DF0021-B0	330	10.700MHz ±30kHz	3.0dB ±2.0dB	20dB min. at 5MHz 20dB min. at 15MHz				
81-SFELF10M7DF00-B0	SFELF10M7DF00-B0	470	10.700MHz ± 175kHz	3.0dB ±2.0dB	20dB min. at 5MHz 20dB min. at 15MHz				
81-SFELF10M7EA00-B0	SFELF10M7EA00-B0	470	10.700MHz ±30kHz	3.0dB ±2.0dB	30dB min. at 9MHz 30dB min. at 12MHz				
81-SFELF10M7FA00-B0	SFELF10M7FA00-B0	330	10.700MHz ±30kHz	4.0dB ±2.0dB	30dB min. at 9MHz 30dB min. at 12MHz				
81-SFELF10M7FA00G-B0	SFELF10M7FA00G-B0	330	10.700MHz ±30kHz	4.0dB ±2.0dB	30dB min. at 9MHz 30dB min. at 12MHz				
81-SFELF10M7GA00-A0	SFELF10M7GA00-A0	330	10.700MHz ±30kHz	4.0dB ±2.0dB	30dB min. at 9MHz 30dB min. at 12MHz				
81-SFELF10M7GA00-B0	SFELF10M7GA00-B0	470	10.700MHz ±30kHz	4.0dB ±2.0dB	40dB min. at 9MHz 40dB min. at 12MHz				
81-SFELF10M7HA00-B0	SFELF10M7HA00-B0	330	10.700MHz ±30kHz	7.0dB ± 1.0dB	40dB min. at 9MHz 40dB min. at 12MHz				
81-SFELF10M7JAA0-B0	SFELF10M7JAA0-B0	470	10.700MHz ±30kHz	4.5dB ±2.0dB	35dB min. at 9MHz 35dB min. at 12MHz				
81-SFELF10M7KAB0-B0	SFELF10M7KAB0-B0	330	10.700MHz ±30kHz	7.0dB ±2.0dB	45/30dB min. at 9MHz 30dB min. at 12MHz				
81-SFELF10M7KAH0-B0	SFELF10M7KAB0-B0	330	10.700MHz ±30kHz	7.0dB ±2.0dB	45/30dB min. at 9MHz 30dB min. at 12MHz				
Wide Band Type SFSCE Series									
81-SFSCE10M7WF04-R0	SFSCE10M7WF04-R0	470	10.700MHz ± 400kHz	6.0dB ± 1.5dB	-				
81-SFSCE10M7WF05-R0	SFSCE10M7WF05-R0	470	10.700MHz ± 325kHz	6.0dB ± 1.5dB	-				
Narrow Bandwidth Type SFVLF Series									
81-SFVLF10M7LF00-B0	SFVLF10M7LF00-B0	330	10.700MHz ± 25kHz	5.5dB ±2.5dB	30dB min. at 9MHz				
81-SFVLF10M7MF00-B0	SFVLF10M7MF00-B0	330	10.700MHz ± 13kHz	5.5dB ±2.5dB	30dB min. at 9MHz 30dB min. at 12MHz				

TAIYO YUDEN Filters, Diplexers and Baluns TAIYO YUDEN



This product is RoHS compliant.



Features:
 • High Frequency
 • Compact and Low-profile
 • Low loss and high attenuation
 • Stable temperature characteristics

Applications:
 • Bluetooth module, Wireless LAN, Digital TV

* For additional values and sizes, visit mouser.com

DIMENSIONS: mm

CHIP BAND PASS FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Fig.	Frequency Range (MHz)	Frequency (MHz)	Impedance (Ohms)	Price Each				
						1	10	50	100	500
963-FI105B245024-T	FI105B245024-T	A	2400 - 2500	2450	50					
963-FI168B245001-T	FI168B245001-T	B	2400 - 2500	2450	50					
963-FI168B250065-T	FI168B250065-T	B	2300 - 2700	2500	50					
963-FI212B190223-T	FI212B190223-T	C	1884 - 1930	1902	50					
963-FI212B245025-T	FI212B245025-T	C	2400 - 2500	2450	50					
963-FI212B245026-T	FI212B245026-T	D	2400 - 2500	2450	50					
963-FI212B245027-T	FI212B245027-T	D	2400 - 2500	2450	50					
963-FI212B396001-T	FI212B396001-T	D	3168 - 4752	3960	50					
963-FI212B448802-T	FI212B448802-T	D	4224 - 4752	4488	50					

LOW PASS FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Fig.	Frequency Range (MHz)	Frequency (MHz)	Impedance (Ohms)	Price Each				
						1	10	50	100	500
963-FI105L250014-T	FI105L250014-T	A	2400 - 2500	2500	50					
963-FI168L062005-T	FI168L062005-T	B	470 - 770	620	50					
963-FI168L259764-T	FI168L259764-T	B	2300 - 2700	2597	50					
963-FI212L062002-T	FI212L062002-T	E	470 - 770	620	50					
963-FI212L062003-T	FI212L062003-T	E	470 - 770	620	50					
963-FI212L062007-T	FI212L062007-T	E	470 - 770	620	50					
963-FI212L062009-T	FI212L062009-T	E	470 - 770	620	50					

DUAL FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Fig.	Frequency Range (MHz)	Frequency (MHz)	Impedance (Ohms)	Price Each				
						1	10	50	100	500
963-FI168D087018-T	FI168D087018-T	F	824 - 915	870	50					

BALANCE FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Fig.	Frequency Range (MHz)	Frequency (MHz)	Impedance (Ohms)	Price Each				
						1	10	50	100	500
963-FI212C245031-T	FI212C245031-T	G	2400 - 2500	2450	50					
963-FI212C245032-T	FI212C245032-T	G	2400 - 2500	2450	50					
963-FI212C245033-T	FI212C245033-T	H	2400 - 2500	2540	50					
963-FI212C245034-T	FI212C245034-T	H	2400 - 2500	2450	50					
963-FI212C245035-T	FI212C245035-T	G	2400 - 2500	2450	50					
963-FI212C245036-T	FI212C245036-T	G	2400 - 2500	2450	50					
963-FI212C245041-T	FI212C245041-T	G	2400 - 2500	2450	50					
963-FI212C245051-T	FI212C245051-T	G	2400 - 2500	2450	50					
963-FI212C245072-T	FI212C245072-T	G	2400 - 2500	2450	50					
963-FI212C249566-T	FI212C249566-T	I	2300 - 2690	2495	100					

DIPLEXERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Fig.	Frequency Range (MHz)	Frequency (MHz)	Impedance (Ohms)	Price Each				
						1	10	50	100	500
963-FI212P089208-T	FI212P089208-T	J	698 - 960	892	50					
963-FI212P089208-T	FI212P245003-T	J	698 - 960	892	50					

BALUN

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Fig.	Frequency Range (MHz)	Frequency (MHz)	Impedance (Ohms)	Price Each				
						1	10	50	100	500
963-FI168T578717-T	FI168T578717-T	K	5725 - 5850	5787	100					

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For current pricing, visit mouser.com

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NEW SUPPLIER

Signal Conditioning

Taiyo Yuden

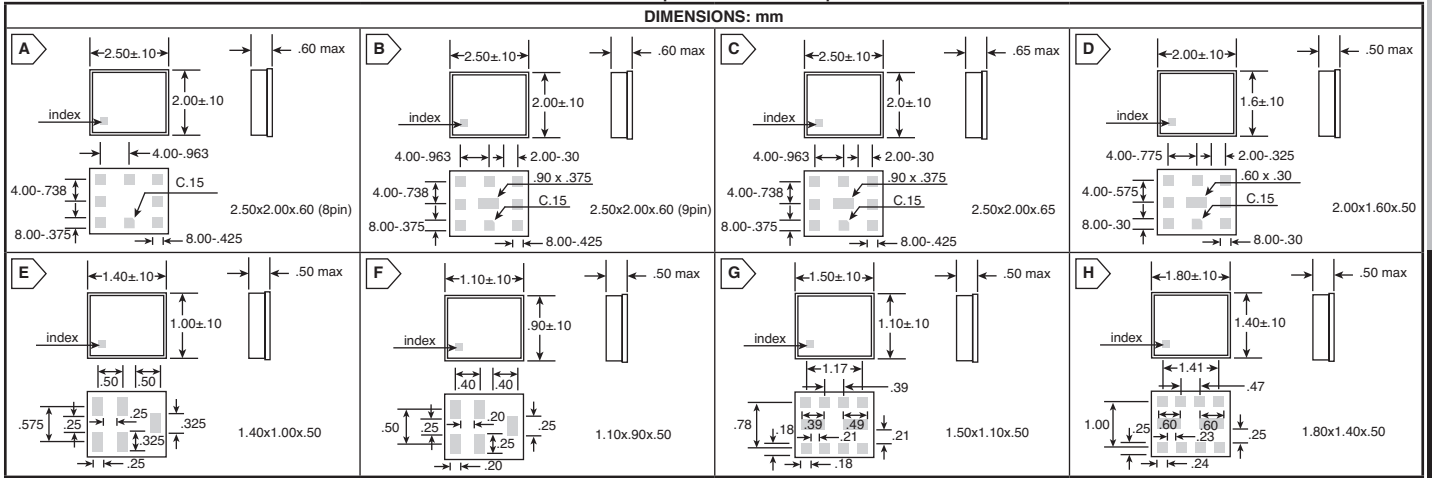
NEW SUPPLIER

NEW SUPPLIER



This product is RoHS compliant.

DIMENSIONS: mm



FAR SERIES

Features:

- Low insertion loss
- High attenuation
- Small size package
- High reliability with hermetic sealing

Applications:

- UMTS (W-CDMA)
- GSM
- LTE
- GPS

*: For additional values and sizes, visit mouser.com

Saw Duplexers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Fig.	Frequency Range (MHz)	Frequency (MHz)	Insertion Loss (dB)	Isolation (dB)	Price Each				
							1	10	50	100	500
963-FAD5NA881M50P1A2	FAR-D5NA-881M50-P1A2-Z	A	700 - 1000	881	-	-					
963-FAD5NC881M50M11A	FAR-D5NC-881M50-M11A-Z	A	700 - 1000	881	-	-					
963-FAD5NC881M50M11B	FAR-D5NC-881M50-M11B-Z	A	700 - 1000	881	-	-					
963-FAD5NE740M00P1C9	FAR-D5NE-740M00-P1C9-Z	B	700 - 1000	740	1.7/2.0	61/58					
963-FAD5NE881M50P1A6	FAR-D5NE-881M50-P1A6QZ	B	700 - 1000	881	1.6/1.7	60/53					
963-FAD5NE881M50P1A9	FAR-D5NE-881M50-P1A9-Z	B	700 - 1000	881	1.6/1.8	57/51					
963-FAD5NF942M50P1GW	FAR-D5NF-942M50-P1GWQZ	C	700 - 1000	942	1.9/2.3	59/54					
963-FAD5NF942M50P1GZ	FAR-D5NF-942M50-P1GZ-Z	C	700 - 1000	942	1.9/2.3	57/51					
963-FAD6JH2G1325B1YZ	FAR-D6JH-2G1325-B1YZ-Z	C	1000 - 5000	1325	1.5/1.7	57/51					
963-FAD6NF1G9600P1BT	FAR-D6NF-1G9600-P1BT-Z	C	1000 - 5000	1960	2.5/2.8	54/55					
963-FAD6NH1G9600M1Z6	FAR-D6NH-1G9600-M1Z6-Z	C	1000 - 5000	1960	2.3/2.7	55/53					
963-FAD6NH1G9600M1Z9	FAR-D6NH-1G9600-M1Z9-Z	C	1000 - 5000	1960	2.2/3.1	55/50					
963-D5NF878M0P1ET-Z	D5NF878M0P1ET-Z	C	700 - 1000	878	1.9/2.5	58/50					
963-D6HH1G9600BH95-Z	D6HH1G9600BH95-Z	C	1000 - 5000	960	2.3/2.5	56/53					
963-D6NF1G9600P1BR-Z	D6NF1G9600P1BR-Z	C	1000 - 5000	960	2.5/3.4	56/53					

Saw Filters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Fig.	Frequency Range (MHz)	Frequency (MHz)	Insertion Loss (dB)	Isolation (dB)	Price Each				
							1	10	50	100	500
963-FAF5KA710M00D4VQ	FAR-F5KA-710M00-D4VQ-Z	D	700 - 1000	710	-	-					
963-FAF5KY751M00B4UQ	FAR-F5KY-751M00-B4UQ-Z	E	700-1000	751	1.6	-					
963-FAF5KA782M00D4VP	FAR-F5KA-782M00-D4VP-Z	D	700 - 1000	782	-	-					
963-FAF5KA836M50D4DF	FAR-F5KA-836M50-D4DF-Z	E	700 - 1000	836	1.9	-					
963-FAF5KA881M50D4DB	FAR-F5KA-881M50-D4DB-Z	E	700 - 1000	881	1.7	56					
963-FAF5KA897M50D4DC	FAR-F5KA-897M50-D4DC-Z	E	700 - 1000	897	2.2	16					
963-FAF5KB836M50B4EG	FAR-F5KB-836M50-B4EG-Z	E	700 - 1000	836	1.6	42					
963-FAF5KB881M50B4ED	FAR-F5KB-881M50-B4ED-Z	E	700 - 1000	881	1.5	61					
963-FAF5KB942M50B4EB	FAR-F5KB-942M50-B4EB-Z	E	700 - 1000	942	1.6	26					
963-FAF5KY740M00B4UR	FAR-F5KY-740M00-B4UR-Z	E	700 - 1000	740	1.4	60					
963-FAF5KY881M50B4UZ	FAR-F5KY-881M50-B4UZ-Z	E	700 - 1000	881	1.5	61					
963-FAF6KA1G5754L4AB	FAR-F6KA-1G5754-L4AB-Z	E	1000 - 5000	1575	0.44	-					
963-FAF6KA1G5754L4AJ	FAR-F6KA-1G5754-L4AJ-Z	E	1000 - 5000	1575	0.9	-					
963-FAF6KA1G7400D4DE	FAR-F6KA-1G7400-D4DE-Z	E	1000 - 5000	1740	1.5	44					
963-FAF6KA1G8800L4AF	FAR-F6KA-1G8800-L4AF-Z	E	1000 - 5000	1880	2.4	35					
963-FAF6KA1G9500D4DG	FAR-F6KA-1G9500-D4DG-Z	E	1000 - 5000	1950	1.6	38					
963-F6KY1G9600B4NF-Z	F6KY1G9600B4NF-Z	E	1000-5000	1960	2.8	-					
963-FAF6KA1G9600D4MT	FAR-F6KA-1G9600-D4MT-Z	E	1000 - 5000	1960	3.4	43					
963-FAF6KA2G0175D4DR	FAR-F6KA-2G0175-D4DR-Z	E	1000 - 5000	2017	1.8	-					
963-FAF6KA2G1400D4CG	FAR-F6KA-2G1400-D4CG-Z	E	1000 - 5000	2140	1.9	39					
963-FAF6KA2G1400D4DW	FAR-F6KA-2G1400-D4DW-Z	E	1000-5000	2140	1.9	-					
963-FAF6KB1G8425B4GA	FAR-F6KB-1G8425-B4GA-Z	E	1000 - 5000	1842	1.5	14					
963-FAF6KB1G9500B4GJ	FAR-F6KB-1G9500-B4GJ-Z	E	1000 - 5000	1950	2.1	34					
963-FAF6KB1G9600B4GB	FAR-F6KB-1G9600-B4GB-Z	E	1000 - 5000	1960	1.6	18					
963-FAF6KB1G9600B4GP	FAR-F6KB-1G9600-B4GP-Z	E	1000 - 5000	1960	2.1	23					
963-FAF6KB2G1400B4GC	FAR-F6KB-2G1400-B4GC-Z	E	1000 - 5000	2140	1.7	39					
963-FAF5QA915M00M2AK	FAR-F5QA-915M00-M2AK-J	F	700 - 1000	915	1.8	-					
963-F5KA833M0D4MG-Z	F5KA833M0D4MG-Z	G	700 - 1000	833	-	-					
963-F5KY878M0B4ND-Z	F5KY878M0B4ND-Z	G	700 - 1000	878	-	-					
963-F5QB881M5P2BG-J	F5QB881M5P2BG-J	G	700 - 1000	881	-	-					
963-F6KA2G535L4AM-Z	F6KA2G535L4AM-Z	G	1000 - 5000	2535	-	-					

Saw Dual Filters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Taiyo Yuden Part No.	Fig.	Frequency Range (MHz)	Frequency (MHz)	Insertion Loss (dB)	Isolation (dB)	Price Each				
							1	10	50	100	500
963-FAG6KZ1G8425Y4WY	FAR-G6KZ-1G8425-Y4WY-Z	H	1000 - 5000	1842	1.6/1.8	16/31					
963-FAG6KZ1G8425Y4WZ	FAR-G6KZ-1G8425-Y4WZ-Z	H	1000 - 5000	1842	1.8/1.6	31/16					

TDK Baluns, Duplexers and Filters



This product is RoHS compliant.

For quantities greater than listed, call for quote.

MULTILAYER BALUN TRANSFORMERS

MOUSER STOCK NO.	TDK Part No.	Application	Frequency Range (GHz)	Insertion Loss (dB)	Balanced Impedance (Ω)	Case Size (mm)	Price Each			
							1	10	100	500
810-HHM1904C1	HHM1904C1	2.4GHz W-LAN/Bluetooth	2.4 -2.5	1.0	75	1.0 x 0.5 x 0.4				
810-HHM1907B1	HHM1907B1	2.4GHz W-LAN/Bluetooth	4.9 - 5.9	0.8	50	1.0 x 0.5 x 0.5				
810-HHM1908A1	HHM1908A1	2.4GHz W-LAN/Bluetooth	4.9 - 5.9	0.8	100	1.0 x 0.5 x 0.5				
810-HHM1902A1	HHM1902A1	2.4GHz W-LAN/Bluetooth	2.4 -2.5	1.0	50	1.0 x 0.5 x 0.5				
810-HHM1903A1	HHM1903A1	2.4GHz W-LAN/Bluetooth	2.4 -2.5	1.0	100	1.0 x 0.5 x 0.5				
810-HHM-1710D1	HHM1710D1	2.4GHz W-LAN/Bluetooth	2.4 -2.5	1.2	50	1.6 x 0.8 x 0.6				
810-HHM-1711D1	HHM1711D1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	1.2	100	1.6 x 0.8 x 0.6				
810-HHM1713E2	HHM1713E2	2.4GHz W-LAN/Bluetooth	2.4 -2.5	1.2	200	1.6 x 0.8 x 0.6				
810-HHM-1521	HHM1521	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	1.0	200	2.0 x 1.25 x .095				
810-HHM-1517	HHM1517	2.4GHz W-LAN/Bluetooth	2.4 -2.5	1.2	50	2.0 x 1.25 x .095				
810-HHM1520	HHM1520	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	1.2	100	2.0 x 1.25 x .095				
810-HHM1541E1	HHM1541E1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	1.0	75	2.0 x 1.25 x 0.95				
810-HHM-1732B1	HHM1732B1	5.0GHz W-LAN	4.9 - 5.9	1.0	100	1.6 x 0.8 x 0.6				
810-HHM-1732B1	HHM1733B1	5.0GHz W-LAN	4.9 - 5.9	1.0	50	1.6 x 0.8 x 0.6				
810-HHM1752A2	HHM1752A2	5.0GHz W-LAN	4.9 - 5.9	1.0	200	1.6 x 0.8 x 0.6				
810-HHM1562B	HHM1562B	5.0GHz W-LAN	5.15 - 5.87	1.0	100	2.0 x 1.25 x 0.95				
810-HHM1570B1	HHM1570B1	5.0GHz W-LAN	5.15 - 5.87	1.0	100	2.0 x 1.25 x 0.95				
810-HHM1749K1	HHM1749K1	DCS Tx & Rx	1.7 - 1.9	0.8	100	1.6 x 0.8 x 0.6				
810-HHM1779B1	HHM1779B1	DCS Tx & Rx	2.11 - 2.17	0.8	100	1.6 x 0.8 x 0.6				
810-HHM1749H1	HHM1749H1	DCS Tx & Rx	1.93 - 1.99	0.9	100	1.6 x 0.8 x 0.6				
810-HHM1704A2	HHM1704A2	DCS Tx & Rx	1.71 - 1.88	1.1	50	1.6 x 0.8 x 0.65				
810-HHM1726P1	HHM1726P1	GSM900 Tx & Rx	880 - 960	0.8	100	1.6 x 0.8 x 0.6				
810-HHM1776B3	HHM1776B3	GSM900 Tx & Rx	880 - 960	1.2	50	1.6 x 0.8 x 0.6				
810-HHM1596A1	HHM1596A1	UWB	3.1 - 4.9	1.0	100	2.0 x 1.25 x 0.95				
810-HHM1595A1	HHM1595A1	UWB	3.0 - 8.0	1.5	100	2.0 x 1.25 x 0.95				

MULTILAYER DIPLEXERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Application	Frequency Range (GHz)	Insertion Loss (dB)	Case Size (mm)	Price Each			
						1	10	100	500
810-DPX16585DT8017A1	DPX16585DT-8017A1	2.4/5.0 GHz W-LAN	4.9 - 5.85	0.6	1.6 x 0.8 x 0.6				
810-DPX16595DT8018A1	DPX16595DT-8018A1	2.4/5.0 GHz W-LAN	4.9 - 5.95	0.9	1.6 x 0.8 x 0.6				
810-DPX20595DT9026A1	DPX20595DT-9026A1	2.4/5.0 GHz W-LAN	4.9 - 5.95	0.65	2.0 x 1.25 x 0.6				
810-DPX20585DT4043A1	DPX20585DT-4043A1	2.4/5.0 GHz W-LAN	4.9 - 5.85	0.75	2.0 x 1.25 x 0.95				
810-DPX20595DT9008A1	DPX20595DT-9008A1	2.4/5.0 GHz W-LAN	4.9 - 5.95	1.6	2.0 x 1.25 x 0.95				
810-DPX16250DT8014A1	DPX16250DT-8014A1	GPS & 2.4GHz Bluetooth	1.565 - 1.585	0.75	1.6 x 0.8 x 0.6				
810-DPX204752DT-4028	DPX204752DT-4028A1	UWB	2.3 - 4.752	1.1	2.0 x 1.25 x 0.95				

MULTILAYER BAND PASS FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Application	Frequency Range (GHz)	Insertion Loss (dB)	Case Size (mm)	Price Each			
						1	10	100	500
810-DEA16245BT1241A1	DEA162450BT-1241A1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	2.0	1.6 x 0.8 x 0.6				
810-DEA16245BT1262B2	DEA162450BT-1260B2	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	2.2	1.6 x 0.8 x 0.6				
810-DEA16245BT1262B1	DEA162450BT-1262B1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	2.4	1.6 x 0.8 x 0.6				
810-DEA16245BT1247C1	DEA162450BT-1247C1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	2.5	1.6 x 0.8 x 0.6				
810-DEA16245BT296A1H	DEA162450BT-2096A1-H	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	2.8	1.6 x 0.8 x 0.6				
810-DEA16245BT1271A3	DEA162450BT-1271A3	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	3.0	1.6 x 0.8 x 0.6				
810-DEA16245BT292A1H	DEA162450BT-2092A1-H	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	3.5	1.6 x 0.8 x 0.6				
810-DEA16245BT1210A1	DEA162450BT-1210A1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	3.3	1.6 x 0.8 x 0.65				
810-DEA20245BT3201B2	DEA202450BT-3201B2	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	2.5	2.0 x 1.25 x 0.8				
810-DEA20245BT1275A1	DEA202450BT-1275A1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	1.6	2.0 x 1.25 x 0.95				
810-DEA20245B2038A1	DEA202450BT-2038A1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	2.6	2.0 x 1.25 x 0.95				
810-DEA20245BT1283A2	DEA202450BT-1283A2	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	1.6	2.0 x 1.25 x 1.05				
810-DEA25245BT208B2	DEA252450BT-2080B2	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	2.0	2.5 x 2.0 x 0.9				
810-DEA25245BT2024C2	DEA252450BT-2024C2	2.4GHz W-LAN/Bluetooth	2.4 - 2.8	3.0	2.5 x 2.0 x 0.9				
810-DEA25245BT2027A1	DEA252450BT-2027A1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	1.2	2.5 x 2.0 x 1				
810-DEA25245BT2031A1	DEA252450BT-2031A1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	1.5	2.5 x 2.0 x 1				
810-DEA25245B2063C1	DEA252450BT-2063C1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	2.4	2.5 x 2.0 x 1				
810-DEA25245BT2109C3	DEA252450BT-2109C3	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	2.5	2.5 x 2.0 x 1				
810-DEA25245BT2037C1	DEA252450BT-2037C1	2.4GHz W-LAN/Bluetooth	5.375	1.8	2.5 x 2.0 x 1.5				
810-DEA252400BT2030A	DEA252400BT-2030A1	2.4GHz W-LAN/Bluetooth	880 - 915	1.4	2.5x2.0x1.0				
810-DEA16537BT2122A1	DEA165375BT-2122A1	5.0GHz W-LAN	5.375	1.8	1.6 x 0.8 x 0.6				
810-DEA20542BT1209B2	DEA205425BT-1209B2	5.0GHz W-LAN	4.9 - 5.95	1.5	2.0 x 1.25 x 0.9				
810-DEA20537BT2054A1	DEA205375BT-2054A1	5.0GHz W-LAN	4.9 - 5.85	2.5	2.0 x 1.25 x 0.95				
810-DEA25578BT2044A1	DEA25578BT-2044A1	5.0GHz W-LAN	5.725 - 5.85	1.6	2.5 x 2 x 1.5				
810-DEA205437BT1200	DEA205437BT-1200	5.0GHz W-LAN	5.15 - 5.9	1.5	3 x 1.25 x 0.9				
810-DEA205425BT2028A	DEA205425BT-2028A4	5.0GHz W-LAN	1.28 - 3.3	1.6	3 x 1.25 x 0.95				
810-DEA252593BT2074A3	DEA252593BT-2074A3	WIMAX	5.725 - 5.85	1.6	2.5 x 2 x 1.5				

MULTILAYER BAND PASS FILTERS (BALANCE OUTPUT TYPE)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Application	Frequency Range (GHz)	Insertion Loss (dB)	Case Size (mm)	Price Each			
						1	10	100	500
810-DEA202450BT-7077	DEA202450BT-7077A1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	3.9	2.0 x 1.25 x 0.95				
810-DEA252450BT-7035	DEA252450BT-7035B2	Bluetooth	2.4 - 2.5	3.6	2.5 x 2.0 x 1.8				
810-DEA202450BT7210A1	DEA202450BT-7210A1	ZigBee	2.4 - 2.5	0.95	2.0 x 1.25 x 0.8				

MULTILAYER LOW PASS FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Application	Frequency Range (GHz)	Insertion Loss (dB)	Case Size (mm)	Price Each			
						1	10	100	500
810-DEA16250LT1212A1	DEA162500LT-1212A1	2.4GHz W-LAN/Bluetooth	2.4 - 2.484	0.75	2.0 x 1.25 x 1				
810-DEA16250LT1217A1	DEA162500LT-1217A1	2.4GHz W-LAN/Bluetooth	2.4 - 2.5	0.48	1.6 x 0.8 x 0.6				
810-DEA16191LT5003C1	DEA161910LT-5003C1	DCS/PCS	1.71 - 1.91	0.52	1.6 x 0.8 x 0.6				
810-DEA160915LT-1169	DEA160915LT-1169	GSM850/GSM900 Tx	880 - 915	0.7	1.6 x 0.8 x 0.2				
810-DEA16269LT1217A2	DEA162690LT-1217A2	WIMAX	2.3 - 2.69	0.8	1.6 x 0.8 x 0.6				

MULTILAYER HIGH PASS FILTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Application	Frequency Range (GHz)	Insertion Loss (dB)	Case Size (mm)	Price Each			
						1	10	100	500
810-DEA16240HT8004B1	DEA162400HT-8004B1	2.4GHz W-LAN/Bluetooth	1.8 - 1.9	1.4	1.6 x 0.8 x 0.6				
810-DEA20248HT8002A1	DEA202484HT-8002A1	2.4GHz W-LAN/Bluetooth	2.4 - 2.484	0.75	2.0 x 1.25 x 1				

NEW AT MOUSER

Signal Conditioning

TDK

NEW AT MOUSER

NEW AT MOUSER

Products may be RoHS compliant. Check mouser.com for RoHS status.

TCM SERIES COMMON MODE FILTERS SMD

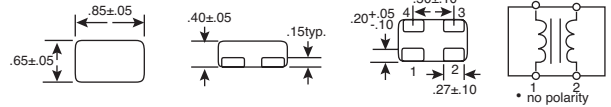
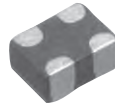
Specifications:

- Operating Temperature: -25°C to +85°C

TCM0806 Type Ultra-Compact Common Mode Filter

Applications:

- PDP/LCD/DLP/PJ TVs
- DVD players
- Notebook PCs
- High speed interface (LVDS, IEEE1394 and USB2.0)
- Portable audio
- Amusement machines
- Digital cellular phones



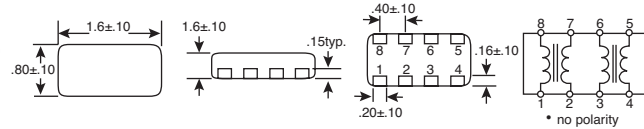
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Impedance @ 100MHz	Size (wxd) mm	Thickness (t) mm	Lines	Price Each			
						1	50	100	500
810-TCM0806G-350-2P	TCM0806G-350-2P	35W±30%	0.85x0.65	0.4	1				
810-TCM0806G-650-2P	TCM0806G-650-2P	65W±20%	0.85x0.65	0.4	1				
810-TCM0806G-900-2P	TCM0806G-900-2P	90W±20%	0.85x0.65	0.4	1				

TCM1608G Type Dual-Circuit Modularized Common Mode Filter Array

Applications:

- PDP/LCD/DLP/PJ TVs
- DVD players
- Notebook PCs
- High speed interface (LVDS, IEEE1394 and USB2.0)
- Portable audio
- Amusement machines
- Digital cellular phones



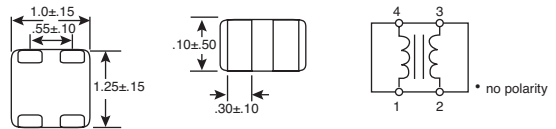
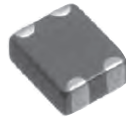
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Impedance @ 100MHz	Size (wxd) mm	Thickness (t) mm	Lines	Price Each			
						1	50	100	500
810-TCM1608G-350-4P	TCM1608G-350-4P	35W±30%	1.6x0.8	0.4	2				
810-TCM1608G-650-4P	TCM1608G-650-4P	65W±20%	1.6x0.8	0.4	2				
810-TCM1608G-900-4P	TCM1608G-900-4P	90W±20%	1.6x0.8	0.4	2				
810-TCM1608G-201-4P	TCM1608G-201-4P	200W±20%	1.6x0.8	0.4	2				

MCZ1210AH Type Compact Size Multilayer Common Mode Filter

Applications:

- High speed interface (LVDS and USB2.0)
- Digital cellular phones, PCs, DSCs, portable game machines.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Impedance @ 100MHz	Size (wxd) mm	Thickness (t) mm	Lines	Price Each			
						1	50	100	500
810-MCZ1210AH360	MCZ1210AH360	36W±25%	1.25x1.0	0.5	1				
810-MCZ1210AH900	MCZ1210AH900	90W±25%	1.25x1.0	0.5	1				
810-MCZ2010AH900	MCZ2010AH900	90W±25%	2.0x1.0	0.5	2				
810-MCZ2010AH121	MCZ2010AH121	120W±25%	2.0x1.0	0.5	2				

DIMENSIONS: mm

A

A: Feeding point
B: Fixing electrode
Tolerance: ±0.2mm
Dimensions in mm

B

A) Feed Point
B) NC
Weight: 0.08g
Tolerance: ±0.2mm
[Unit:mm]

CERAMIC CHIP ANTENNAS



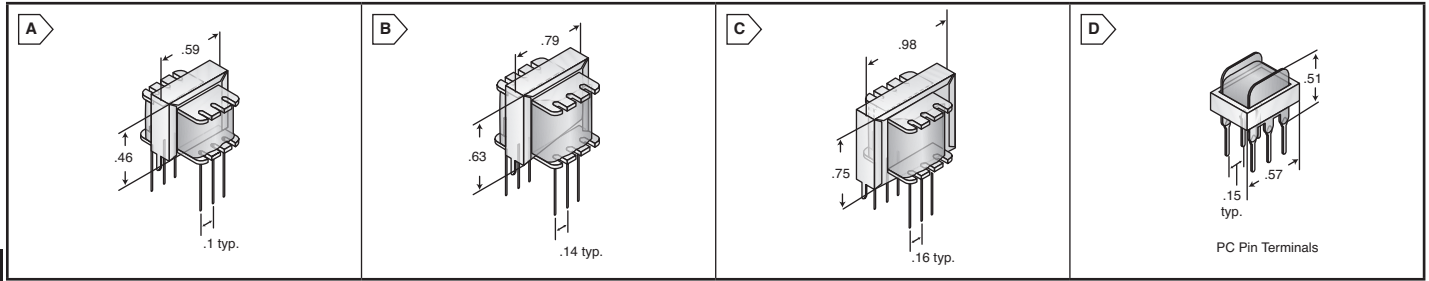
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Fig.	Application	Frequency Range (GHz)	Polarization	Antenna Gain	Impedance (Ohms)	VSWR (Max)	Price Each			
									1	10	100	500
810-ANT98030CGS2442M	ANT98030CGS2442MB1	A	ISM Band	2.4-2.485	Linear	5.0 dBi	50	3.7				

MULTILAYER CHIP ANTENNAS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TDK Part No.	Fig.	Application	Frequency Range (GHz)	Polarization	Antenna Gain	Impedance (Ohms)	VSWR (Max)	Price Each			
									1	10	100	500
810-ANT8030-2R4-01A	ANT8030-2R4-01A	B	Bluetooth	2.4 to 2.5	Linear	2.0 dBi	50	2.0				



DIMENSIONS: in.

Xicon Signal Conditioning

PC LEADS



* Dual Secondaries

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Impedance (Ω)		Resist. (Ω)		Application (Typical)	Price Each			
		Pri.	Sec.	Pri.	Sec.		1	100	500	1000
Ultraminiature Core Type EI-14, 75mW Max Output										
42TL030-RC	A	100 CT	100 CT	10.9	9.10	Coupling				
42TL004-RC	A	200 CT	8 CT	12	1	Output				
42TL023-RC	A	300 CT	600 CT	30	35	Coupling				
42TL001-RC	A	500 CT	8 CT	35	1	Output				
42TL009-RC	A	500 CT	500 CT	40	38	Interstage				
42TL031-RC	A	600 CT	100 CT	42.8	20.2	Coupling				
42TL016-RC	A	600 CT	600 CT	65	55	Coupling				
42TL008-RC	A	800 CT	8 CT	40	1	Output				
42TL013-RC	A	1K CT	8 CT	60	1	Output				
42TL027-RC	A	1K CT	2K CT	130	140	Coupling				
42TL003-RC	A	1.2K CT	8 CT	80	1	Output				
42TL022-RC	A	1.5K CT	600 CT	125	55	Coupling				
42TL021-RC	A	4K CT	600 CT	148	64	Coupling				
42TL018-RC	A	7K CT	10K CT	400	385	Interstage				
42TL019-RC	A	10K CT	600 CT	450	100	Coupling				
42TL002-RC	A	10K CT	2K CT	500	200	Driver				
42TL012-RC	A	10K CT	5K CT	900	500	Interstage				
42TL218-RC	A	10K CT	10K CT	715	583	Interstage				
* 42TL017-RC	A	20K CT	600 CT	693	66	Coupling				
Core Type EI-19, 200mW Max Output										
42TM030-RC	B	100 CT	100 CT	9.25	7.80	Coupling				
42TM004-RC	B	200 CT	8 CT	12	1	Output				
42TM001-RC	B	500 CT	8 CT	26	1	Output				
42TM026-RC	B	500 CT	16 CT	50	5	Output				
42TM009-RC	B	500 CT	500 CT	50	40	Interstage				
42TM023-RC	B	600 CT	300 CT	55	30	Coupling				
42TM016-RC	B	600 CT	600 CT	65	55	Coupling				
42TM008-RC	B	800 CT	8 CT	40	1	Output				
42TM013-RC	B	1K CT	8 CT	75	1	Output				
42TM003-RC	B	1.2K CT	8 CT	80	1	Output				
42TM011-RC	B	1.5K CT	500 CT	120	50	Interstage				

PC LEADS (CONT.)



* Dual Secondaries

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Impedance (Ω)		Resist. (Ω)		Application (Typical)	Price Each			
		Pri.	Sec.	Pri.	Sec.		1	100	500	1000
Core Type EI-19, 200mW Max Output (Cont.)										
42TM022-RC	B	1.5K CT	600 CT	65	45	Coupling				
42TM021-RC	B	4K CT	600 CT	244	77	Coupling				
42TM114-RC	B	4.6K CT	20 CT	300	2	Input				
42TM024-RC	B	10K CT	500 CT	550	150	Coupling				
42TM019-RC	B	10K CT	600 CT	600	100	Coupling				
42TM002-RC	B	10K CT	2K CT	600	155	Driver				
42TM018-RC	B	10K CT	10K CT	550	500	Interstage				
42TM006-RC	B	20K CT	1K CT	900	70	Interstage				
42TM017-RC	B	25K CT	600 CT	1000	80	Coupling				
42TM117-RC	B	50K CT	1K CT	1.2K	42	Input				
Dual Secondary Core Type EI-19, 200mW Max Output										
* 42TM028-RC	B	600 CT	600/600	78	65/60	Coupling				
Miniature Core Type EI-24, 400mW Max Output										
42TU048-RC	C	48 CT	8 CT	2.5	.5	Output				
42TU120-RC	C	120 CT	8 CT	7	.7	Output				
42TU200-RC	C	200 CT	8 CT	12	.5	Output				
42TU400-RC	C	500 CT	8 CT	18	.7	Output				
42TU500-RC	C	500 CT	500 CT	35	28	Interstage				
42TU016-RC	C	600 CT	600 CT	65	55	Coupling				
42TU008-RC	C	800 CT	8 CT	40	1	Output				
42TU013-RC	C	1K CT	8 CT	75	1	Output				
42TU003-RC	C	1.2K CT	8 CT	75	1	Output				
42TU011-RC	C	1.5K CT	500 CT	120	50	Interstage				
42TU019-RC	C	10K CT	600 CT	600	100	Coupling				
42TU002-RC	C	10K CT	2K CT	600	155	Driver				
42TU012-RC	C	10K CT	5K CT	425	220	Interstage				

PC Pin Terminals

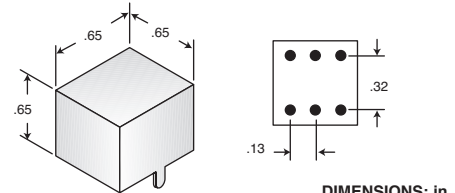
Microminiature Core Type EI-14, 75mW Max Output										
42XL016-RC	D	600 CT	600 CT	65	55	Coupling				
42XL003-RC	D	1.2K CT	8 CT	80	1	Output				

SHIELDED AUDIO TRANSFORMERS MICROMINIATURE CORE TYPE EI-14, 75MW MAX OUTPUT

Epoxy encapsulated. Metal shielded to reduce magnetic cross coupling and electrostatic fields.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Impedance (Ω)		Resistance (Ω)		Application (Typical)	Price Each			
	Primary	Secondary	Primary	Secondary		1	100	500	1000
429-7201-RC	500 CT	8 CT	35	1	Output				
429-7209-RC	500 CT	500 CT	40	38	Interstage				
429-7216-RC	600 CT	600 CT	65	55	Coupling				
429-7218-RC	7K CT	10K CT	400	385	Interstage				
429-7202-RC	10K CT	2K CT	580	200	Driver				



DIMENSIONS: in.

I.F. TRANSFORMERS

• I.F.: Intermediate Frequency

Sub-Miniature PC Mounting

For quantities greater than listed, call for quote.

DIMENSIONS: in.

Sub-Miniature

Schematics

MOUSER STOCK NO.	Impedance Pri : Sec	Application (Typical)	Cap Color	Schem.	Turns Ratio Pri : Sec	Price Each				
						1	10	100	500	
455kHz										
42IF101-RC	60K : 600	1st IF	Yel	1	22 : 1					
42IF102-RC	30K : 500	2nd IF	White	1	22 : 1					
42IF103-RC	20K : 6K	3rd IF	Black	1	6 : 1					
796kHz										
42IF100-RC	Osc.	Tuning	Red	2	13 : 1					
42IF110-RC	Osc.	Tuning	Red	2	35 : 1					
10.7MHz										
42IF122-RC	15K : 300	2nd & 3rd IF	Brown	1	14 : 1					
42IF123-RC	25K : 4K	1st IF	Green	1	7 : 1					
Variable Frequency (Capacitor-less)										
42IF104-RC	50K : 500	1st IF	Yel	2	22 : 1					
42IF106-RC	20K : 5K	3rd IF	Black	2	6 : 1					
42IF124-RC	15K : 300	2nd & 3rd IF	Org	2	14 : 1					