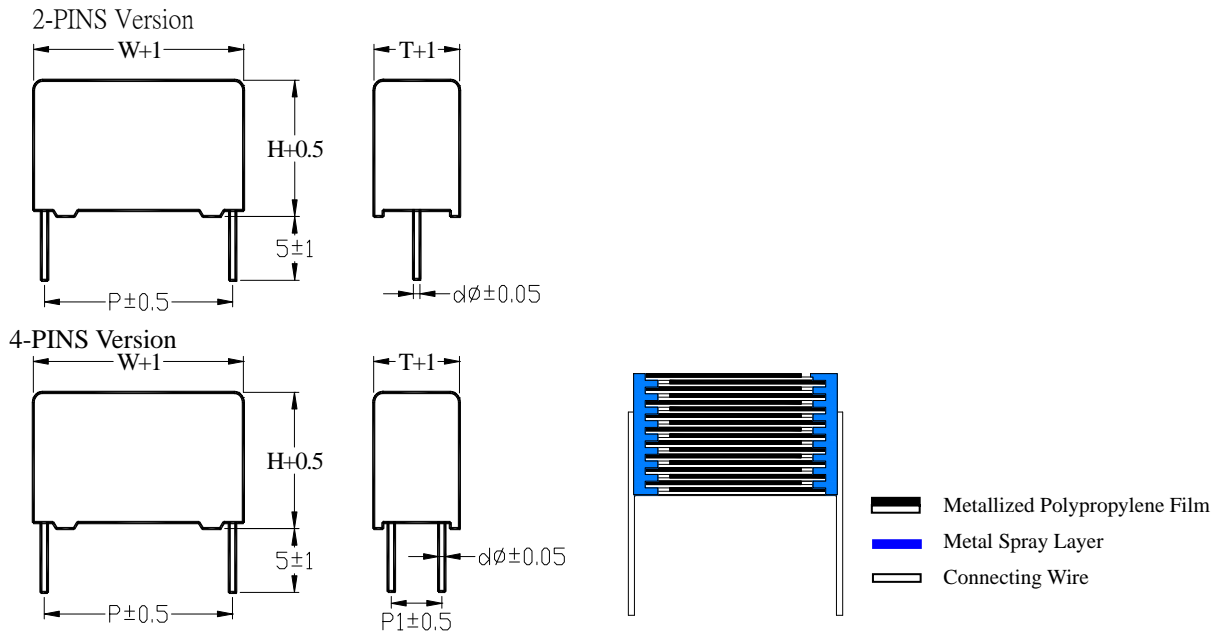




Metallized Polypropylene Capacitor - Radial

MPBF



Construction:

Dielectric : Polypropylene Film
 Electrodes : Metallization.
 Construction : Low inductive type.
 Leads : Tinned Wire.
 Outer coating : Flame retarding epoxy resin(UL 94V-0)

Feature:

- ※ High frequency capability
- ※ High Ripple Current
- ※ Self-Healing
- ※ Optimized AC voltage performance

Recommended Application:

- ※ AC output filter for power converters
- ※ Solar inverters

Electrical Characteristics:

Related Documents	IEC 61071/60068			
Rated Voltage	$V_N 85^\circ\text{C}$	250VAC	300VAC	350VAC
	$V_N 105^\circ\text{C}$	170VAC	210VAC	240VAC
Rated Temperature	-40°C ~ +85°C.			
MAXIMUM OPERATING TEMPERATURE(CASE)	105°C			
Capacitance Range	1.0μF~60.0μF.			
Capacitance Tolerance	±5% (J), ±10% (K)			
Insulation Resistance	Terminal to Terminal :(at 20°C ±5°C), Voltage charge time: 1 minute. Voltage:100VDC ≥10000MΩ×μF			
Withstand Voltage	Terminal to Terminal: (at 20°C ±5°C) 1.5×V _R applied for 10sec.			
Self inductance(Ls)	<1 nH per mm of lead spacing			



Metallized Polypropylene Capacitor - Radial

$V_{N85^{\circ}C}=250VAC$

CAP μF	V_{NAC}	Dimensions (mm)			P mm	P1 mm	d Φ mm	dv/dt V/ μs	I_{PEAK} A	ESR 10Khz m Ω	I_{rms} 10Khz A ▲	SPQ	TYPE NO.
		W	H	T									
2.0	250	31	20	10	27.5	-	0.8	50	100	30	3.5	207	MPBF205*0250AB127B
3.3	250	31	22	13	27.5	-	0.8	50	165	20	6	171	MPBF335*0250AB127B
5.0	250	31	24.5	15	27.5	-	0.8	50	250	14	8	153	MPBF505*0250AB127B
8.0	250	31	33	18	27.5	-	0.8	50	400	10	9	126	MPBF805*0250AB127B
10.0	250	31	37	22	27.5	-	0.8	50	500	9	11	99	MPBF106*0250AB127B
12.0	250	31	37	22	27.5	-	0.8	25	300	7	12	99	MPBF126*0250AB127B
15.0	250	41.5	35.5	22.5	37.5	10.2	1.2	25	375	9	14	70	MPBF156*0250AB137B-F
15.0	250	41.5	35.5	22.5	37.5	-	1.0	25	375	10	13	70	MPBF156*0250AB137B
16.0	250	41.5	35.5	22.5	37.5	10.2	1.2	25	400	8	14	70	MPBF166*0250AB137B-F
16.0	250	41.5	35.5	22.5	37.5	-	1.0	25	400	9	13	70	MPBF166*0250AB137B
20.0	250	41.5	38	28	37.5	10.2	1.2	25	500	6	16	56	MPBF206*0250AB137B-F
20.0	250	41.5	38	28	37.5	-	1.0	25	500	7	15	56	MPBF206*0250AB137B
30.0	250	41.5	45	30	37.5	20.3	1.2	12	360	5	19	56	MPBF306*0250AB137B-FF
30.0	250	41.5	45	30	37.5	-	1.0	12	360	5.5	18	56	MPBF306*0250AB137B
40.0	250	58	45	30	52.5	20.3	1.2	12	480	5	23	40	MPBF406*0250AB152B-FF
50.0	250	58	50	35	52.5	20.3	1.2	12	600	5	26	35	MPBF506*0250AB152B-FF
60.0	250	58	50	35	52.5	20.3	1.2	12	720	5	29	35	MPBF606*0250AB152B-FF

TYPE NO.

* = Capacitance tolerance code

J = $\pm 5\%$, K = ± 10

$I_{rms}(\blacktriangle)$: Ambient temperature is $70^{\circ}C$



Metallized Polypropylene Capacitor - Radial

$V_{N85^{\circ}C}=300VAC$

CAP μF	V_{NAC}	Dimensions (mm)			P mm	P1 mm	$d\Phi$ mm	dv/dt $V/\mu s$	I_{PEAK} A	ESR 10KHz $m\Omega$	Irms 10KHz A ▲	SPQ	TYPE NO.
		W	H	T									
1.0	300	31	18	9	27.5	-	0.8	68	68	80	3	252	MPBF105*0300AB127B
1.5	300	31	20	10	27.5	-	0.8	68	102	35	4	207	MPBF155*0300AB127B
2.2	300	31	22	13	27.5	-	0.8	68	150	30	5	171	MPBF225*0300AB127B
3.3	300	31	24.5	15	27.5	-	0.8	68	225	20	8	153	MPBF335*0300AB127B
5.0	300	31	33	18	27.5	-	0.8	68	340	12	11	126	MPBF505*0300AB127B
7.5	300	31	37	22	27.5	-	0.8	68	510	9	13	99	MPBF755*0300AB127B
10.0	300	41.5	35.5	22.5	37.5	10.2	1.2	35	350	10	13	70	MPBF106*0300AB137B-F
10.0	300	41.5	35.5	22.5	37.5	-	1.0	35	350	11	12	70	MPBF106*0300AB137B
14.0	300	41.5	38	28	37.5	10.2	1.2	35	490	8	14	56	MPBF146*0300AB137B-F
14.0	300	41.5	38	28	37.5	-	1.0	35	490	9	13	56	MPBF146*0300AB137B
15.0	300	41.5	38	28	37.5	20.3	1.2	35	525	6	14	56	MPBF156*0300AB137B-FF
15.0	300	41.5	38	28	37.5	-	1.0	35	525	7	13	56	MPBF156*0300AB137B
20.0	300	41.5	45	30	37.5	20.3	1.2	35	700	5	16	56	MPBF206*0300AB137B-FF
20.0	300	41.5	45	30	37.5	-	1.0	35	700	5.5	15	56	MPBF206*0300AB137B
25.0	300	58	45	30	52.5	20.3	1.2	15	375	9	18	40	MPBF256*0300AB152B-FF
30.0	300	58	50	35	52.5	20.3	1.2	15	450	8	20	35	MPBF306*0300AB152B-FF
35.0	300	58	50	35	52.5	20.3	1.2	15	525	7	23	35	MPBF356*0300AB152B-FF
40.0	300	58	50	35	52.5	20.3	1.2	15	600	6	25	35	MPBF406*0300AB152B-FF

TYPE NO.

* = Capacitance tolerance code

J = $\pm 5\%$, K = $\pm 10\%$

Irms(▲): Ambient temperature is $70^{\circ}C$



Metallized Polypropylene Capacitor - Radial

$V_{N85^{\circ}C}=350VAC$

CAP μF	V_{NAC}	Dimensions (mm)			P mm	P1 mm	d Φ mm	dv/dt V/ μs	I_{PEAK} A	ESR 10Khz m Ω	I _{rms} 10Khz A ▲	SPQ	TYPE NO.
		W	H	T									
1.0	350	31	20	10	27.5	-	0.8	100	100	40	3	207	MPBF105*0350AB127B
1.5	350	31	23.5	14	27.5	-	0.8	100	150	28	4.5	162	MPBF155*0350AB127B
2.2	350	31	24.5	15	27.5	-	0.8	100	200	21	6.5	153	MPBF225*0350AB127B
3.5	350	31	33	18	27.5	-	0.8	100	300	13	10	126	MPBF355*0350AB127B
5.0	350	31	37	22	27.5	-	0.8	100	500	10	13	99	MPBF505*0350AB127B
7.5	350	41.5	35.5	22.5	37.5	10.2	1.2	50	375	10	12	70	MPBF755*0350AB137B-F
7.5	350	41.5	35.5	22.5	37.5	-	1.0	50	375	10.5	11	70	MPBF755*0350AB137B
10.0	350	41.5	38	28	37.5	10.2	1.2	50	500	9	14	56	MPBF106*0350AB137B-F
10.0	350	41.5	38	28	37.5	-	1.0	50	500	10	13	56	MPBF106*0350AB137B
13.0	350	41.5	45	30	37.5	20.3	1.2	50	650	6	16	56	MPBF136*0350AB137B-FF
13.0	350	41.5	45	30	37.5	-	1.0	50	650	7	15	56	MPBF136*0350AB137B
15.0	350	41.5	45	32	37.5	20.3	1.2	50	750	7	16	49	MPBF156*0350AB137B-FF
18.0	350	58	45	30	52.5	20.3	1.2	50	900	6	17	40	MPBF186*0350AB152B-FF
20.0	350	58	45	30	52.5	20.3	1.2	35	700	6	18	40	MPBF206*0350AB152B-FF
25.0	350	58	50	35	52.5	20.3	1.2	35	875	5	21	35	MPBF256*0350AB152B-FF

TYPE NO.

* = Capacitance tolerance code

J = $\pm 5\%$, K = $\pm 10\%$

I_{rms}(▲): Ambient temperature is 70°C