TEAPO

Radial Type Aluminium Electrolytic Capacitors

SH Standard Series

■ Endurance: 105℃ 2000hours
■ Recommended Applications :For high quality , reliability application, high CV product
■ Corresponding product to RoHS

SH ↑ High Temperature
SK

■ SPECIFICATIONS

Item	Characteristics		
Category Temperature Range	-40~+105℃	-25~+105℃	-25~+105℃
Rated Voltage Range	6.3 ~ 100VDC	160 ~ 450VDC	500VDC
Rated Capacitance Range	1~ 22000 μF	1 ~ 470 μF	2.2~82 μF
Capacitance Tolerance	± 20 % (120Hz , 20℃)	± 20 % (120Hz , 20℃)	± 20 % (120Hz , 20℃)
Leakage Current (20℃)	I=0.01CV or 3(μA)whichever is greater.	I=0.03CV+10(μA)	I=0.04CV+100(uA)
	(After rated voltage applied for 2 minutes)I：Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)		

Dissipation Factor(MAX) (tan δ) (120Hz ,20℃)

WV	6.3	10	16	25	35	50	63~100	160~250	350~450	500
tan δ	0.26	0.22	0.18	0.16	0.14	0.12	0.10	0.15	0.20	0.25

When nominal capacitance is over 1000 μF,tan δ shall be added 0.02 to the listed value with increase of every 1000 μF.

Low Temperature Stability Impedance Ratio (MAX)

WV / Z(120Hz)	6.3	10	16	25	35~100	160~250	350~450	500
Z-25℃ / Z+20℃	4	3	2	2	2	4	4	6
Z-40℃ / Z+20℃	8	6	4	4	3	—	—	—

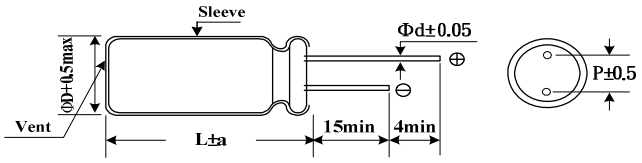
Endurance

After applying rated voltage for 2000 hours at 105℃ the capacitors shall meet the following requirements.

Capacitance change	Within ± 20% of initial value
D.F. (tan δ)	Not more than 200% of specified value
Leakage current	initial specified value or less

Shelf Life: After leaving capacitors under no load at 105℃ for 1000 hours.the capacitors shall meet the same requirement as Endurance.

■ Dimensions [mm]



φD	5	6.3	8	10	13	16	18	22
p	2.0	2.5	3.5	5.0		7.5		10.0
φd	0.5	0.5	0.6	0.6		0.8		0.8
a	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0

■ Multiplier for Ripple Current

Freq. (Hz)	120	300	1K	10K~100K
6.3 ~ 100V ≦68 μF	1.00	1.30	1.57	2.00
6.3 ~ 100V 100 ~ 470 μF	1.00	1.23	1.34	1.50
6.3 ~ 100V 471 ~ 22000 μF	1.00	1.10	1.13	1.15
160 ~ 450V all volume(μF)	1.00	1.25	1.40	1.60
500Vall volume(μF)	1.00	1.05	1.10	1.15

SH

Standard Series

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms105℃) (120Hz)
6.3 (8)	100	5x11	0.26	100
	150	5x11	0.26	120
	220	6.3x11	0.26	165
	330	6.3x11	0.26	200
	470	6.3x11	0.26	230
	680	8x11	0.26	350
	1000	8x15	0.26	445
		10x12.5	0.26	470
	1500	10x15	0.26	600
	2200	10x20	0.28	800
	3300	13x20	0.30	1100
	4700	13x20	0.32	1180
	6800	13x25	0.36	1490
	10000	16x32	0.44	1830
	15000	16x36	0.54	2090
	22000	18x40	0.68	2350
10 (13)	47	5x11	0.22	75
	68	5x11	0.22	80
	100	5x11	0.22	110
	150	5x11	0.22	120
	220	6.3x11	0.22	180
	330	6.3x11	0.22	235
		8x11	0.22	255
	470	6.3x11	0.22	250
		8x11	0.22	305
	680	8x11	0.22	365
		10x12.5	0.22	420
	1000	8x15	0.22	480
		10x12.5	0.22	540
	1500	10x20	0.22	800
	2200	10x20	0.24	870
	3300	13x20	0.26	1100
	4700	13x25	0.28	1380
	6800	16x25	0.22	1700
	10000	16x36	0.40	1950
	15000	18x36	0.50	2180
16 (20)	33	5x11	0.18	70
	47	5x11	0.18	85
	68	5x11	0.18	100
	100	5x11	0.18	130
	150	6.3x11	0.18	175
	220	6.3x11	0.18	220
	330	8x11	0.18	280
	470	8x11	0.18	375
	680	8x15	0.18	450
		10x12.5	0.18	480
	1000	10x15	0.18	640
	1500	10x20	0.18	830
	2200	13x20	0.20	1050
	3300	13x25	0.22	1250
	4700	16x25	0.24	1650
	6800	16x32	0.28	1900
	10000	18x36	0.36	2070
25 (32)	22	5x11	0.16	60
	33	5x11	0.16	75
	47	5x11	0.16	90
	68	6.3x11	0.16	125
	100	6.3x11	0.16	145
	150	8x11	0.16	200
	220	8x11	0.16	240
	330	8x11	0.16	300
		10x12.5	0.16	355

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms105℃) (120Hz)
25 (32)	470	8x15	0.16	420
		10x12.5	0.16	440
	680	10x15	0.16	560
	1000	10x20	0.16	740
	1500	13x20	0.16	920
	2200	13x25	0.18	1230
	3300	16x25	0.20	1500
	4700	16x32	0.22	1800
	6800	18x36	0.26	2050
35 (44)	10	5x11	0.14	44
	15	5x11	0.14	50
	22	5x11	0.14	65
	33	5x11	0.14	85
	47	5x11	0.14	100
	68	6.3x11	0.14	130
	100	6.3x11	0.14	170
	150	8x11	0.14	220
	220	10x12.5	0.14	315
	330	10x12.5	0.14	400
	470	10x15	0.14	480
	680	10x20	0.14	650
	1000	13x20	0.14	900
	1500	13x25	0.14	1050
	2200	16x25	0.16	1370
	3300	16x36	0.18	1680
	4700	18x36	0.20	1920
50 (63)	1	5x11	0.12	12
	2.2	5x11	0.12	18
	3.3	5x11	0.12	25
	4.7	5x11	0.12	30
	6.8	5x11	0.12	30
	10	5x11	0.12	50
	15	5x11	0.12	50
	22	5x11	0.12	75
	33	5x11	0.12	95
	47	6.3x11	0.12	115
	68	8x11	0.12	159
	100	8x11	0.12	200
	150	10x12.5	0.12	289
	220	10x12.5	0.12	360
		10x15	0.12	415
	330	10x20	0.12	535
	470	10x20	0.12	630
		13x20	0.12	730
	680	13x20	0.12	800
	1000	13x25	0.12	1060
	1500	16x25	0.12	1300
	2200	16x36	0.14	1600
	3300	18x36	0.16	1780
63 (79)	10	5x11	0.1	55
	15	5x11	0.1	65
	22	6.3x11	0.1	90
	33	6.3x11	0.1	100
	47	8x11	0.1	155
	68	10x12.5	0.1	198
	100	10x12.5	0.10	260
	150	10x15	0.10	330
	220	10x20	0.10	465
	330	13x20	0.10	650
	470	13x20	0.10	700
	680	16x25	0.10	1000
	1000	16x32	0.10	1200

SH Standard Series

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms105℃) (120Hz)
63 (79)	1500	16x36	0.10	1450
	2200	18x36	0.12	1650
100 (125)	10	6.3x11	0.10	65
	15	6.3x11	0.10	75
	22	8x11	0.10	115
	33	8x11	0.10	140
	47	10x12.5	0.10	185
	68	10x15	0.10	240
	100	10x20	0.10	305
	150	13x20	0.10	370
	220	13x25	0.10	520
	330	16x25	0.10	720
	470	16x32	0.10	875
	680	16x36	0.10	1200
160 (200)	1	5x11	0.15	17
	2.2	6.3x11	0.15	25
	3.3	6.3x11	0.15	36
	4.7	6.3x11	0.15	43
	6.8	8x11	0.15	54
	10	8x11	0.15	70
	15	10x12.5	0.15	90
	22	10x15	0.15	115
	33	10x20	0.15	160
	47	10x20	0.15	195
	68	13x20	0.15	255
	100	13x25	0.15	350
	150	16x25	0.15	435
	220	16x32	0.15	550
	330	18x36	0.15	800
	470	18x40	0.15	900
200 (250)	1	6.3x11	0.15	17
	2.2	6.3x11	0.15	25
	3.3	6.3x11	0.15	36
	4.7	8x11	0.15	50
	6.8	8x11	0.15	60
	10	10x12.5	0.15	80
	15	10x15	0.15	110
	22	10x20	0.15	140
	33	13x20	0.15	200
	47	13x20	0.15	220
	68	13x25	0.15	280
	100	16x25	0.15	350
	150	16x32	0.15	480
	220	16x36	0.15	675
		18x32	0.15	685
	330	18x36	0.15	750
250 (300)	1	6.3x11	0.15	17
	2.2	6.3x11	0.15	29
	3.3	8x11	0.15	42
	4.7	8x11	0.15	52
	6.8	8x11	0.15	62
	10	10x12.5	0.15	80
	15	10x15	0.15	110
	22	10x20	0.15	140
	33	13x20	0.15	200
	47	13x25	0.15	240
	68	13x25	0.15	290
	100	16x25	0.15	380
	150	16x32	0.15	420
	220	18x36	0.15	680
350 (400)	1	6.3x11	0.20	16
	2.2	8x11	0.20	31
	3.3	8x11	0.20	35
	4.7	8x11	0.20	45
	10	10x15	0.20	80
	22	13x20	0.20	150
	33	13x25	0.20	200
	47	16x25	0.20	260
	100	18x32	0.20	400
400 (450)	1	6.3x11	0.20	17
	2.2	8x11	0.20	31
	3.3	8x11	0.20	35
	4.7	8x11	0.20	45
		10x12.5	0.20	55
	6.8	8x15	0.20	60
		10x12.5	0.20	65
	10	10x15	0.2	80
	15	10x20	0.2	100
	22	13x20	0.2	150
	33	13x25	0.2	200
	47	16x25	0.2	265
	68	16x32	0.2	410
		18x25	0.2	390
	100	18x32	0.2	500
	120	18x32	0.2	520
		18x36	0.2	550
	150	18x40	0.2	620
420 (470)	1	6.3x11	0.2	17
	2.2	8x11	0.2	29
	3.3	8x11	0.2	34
	4.7	10x12.5	0.2	55
	6.8	10x15	0.2	68
	10	10x20	0.20	98
	15	13x20	0.20	130
	22	13x25	0.20	155
	33	16x25	0.20	205
	47	16x25	0.20	235
	68	16x32	0.20	400
		18x25	0.20	380
	100	18x36	0.20	490
	120	18x40	0.20	530
	150	18x45	0.20	570
450 (500)	1.0	6.3x11	0.20	18
		8x11	0.20	22
	2.2	8x11	0.20	30
		10x12.5	0.20	37
	3.3	8x15	0.20	42
		10x12.5	0.20	40
	4.7	10x12.5	0.20	52
	6.8	10x15	0.20	62
	10	10x20	0.20	85
	15	13x20	0.20	120
	22	13x25	0.20	150
	33	16x25	0.20	210
	47	16x25	0.20	260
	68	18x32	0.20	370
	100	18x36	0.20	495
	120	18x40	0.20	565
	150	18x45	0.20	650
500 (550)	2.2	8x11	0.25	25
	3.3	8x16	0.25	30
	4.7	8x16	0.25	34
		10x12.5	0.25	38
	6.8	10x16	0.25	50

SH

Standard Series

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms105℃) (120Hz)
500 (550)	8.2	10x20	0.25	65
	10	10x20	0.25	70
		13x20	0.25	85
	15	13x25	0.25	100
	22	13x25	0.25	115
		16x25	0.25	130

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms105℃) (120Hz)
500 (550)	33	18x25	0.25	180
	47	16x32	0.25	180
		18x30	0.25	230
	68	18x32	0.25	250
		18x36	0.25	290
	82	18x40	0.25	335

TEAPO

Radial Type Aluminium Electrolytic Capacitors

TB Low impedance、High Ripple Series

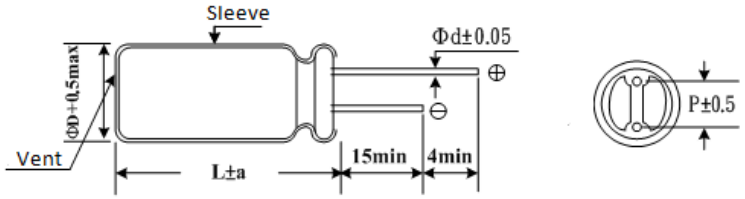
■ Endurance:105℃ 5000~6000hours
■ Recommended Applications :AV(TV, Video, Audio), Monitor/Computer,
OA/HA/Communication,Converter/Inverter,Adapter, SMPS
■ Corresponding product to RoHS

TB
↑
SJ
Long Life

■ SPECIFICATIONS

Item	Characteristics
Category Temperature Range	-40 ~ +105℃
Rated Voltage Range	6.3~35VDC
Rated Capacitance Range	47~ 8200 μF
Capacitance Tolerance	± 20 % (120Hz , 20℃)
Leakage Current (20℃)	I=0.01CV or3 μA whichever is greater. (After rated voltage applied for 2 minutes) I：Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)
Dissipation Factor(MAX) (tan δ) (120Hz ,20℃)	WV: 6.3 / 10 / 16 / 25 / 35 tan δ: 0.22 / 0.19 / 0.16 / 0.14 / 0.12 When nominal capacitance is over 1000 μF,tan δ shall be added 0.02 to the listed value with increase of every 1000 μF.
Low Temperature Stability Impedance Ratio (MAX)	WV / Z(120Hz): 6.3 / 10 / 16 / 25 / 35 Z-25℃ / Z+20℃: 2 / 2 / 2 / 2 / 2 Z-40℃ / Z+20℃: 3 / 3 / 3 / 3 / 3
Endurance	After applying rated voltage with rated ripple current for 5000~6000hours at 105℃, the capacitors shall meet the following requirements. Capacitance change: Within ± 25% of initial value(6.3、10V：± 30%) D.F. (tan δ): Not more than 200% of specified value Leakage current: initial specified value or less ΦD: 5~6.3Φ / 8~16Φ life(hours): 5000hrs / 6000hrs *If dimension is down size,Endurance will be less 1000 hours than standard.
Shelf Life	After placed at 105℃without voltage applied for 500 hours,the capacitors shall meet the same requirement as Endurance.

■ Dimensions [mm]



ΦD	5	6	8	10	13	16
P	2.0	2.5	3.5	5.0	5.0	7.5
Φd	0.5	0.5	0.6	0.6	0.6	0.8
a	1.5	1.5	1.5	1.5	2.0	2.0

■ Multiplier for Ripple Current

Freq. (Hz)	120	1K	10K	100K
47~150 μF	0.40	0.75	0.90	1.00
220 ~ 560 μF	0.50	0.85	0.94	1.00
680 ~ 1800 μF	0.60	0.87	0.95	1.00
2200 ~ 3900 μF	0.75	0.90	0.95	1.00
4700 ~8200 μF	0.85	0.95	0.98	1.00

TB

Low impedance、High Ripple Series

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
6.3V (8)	220	5x11	330	0.24
	470	6.3x11	500	0.11
	820	8x12	900	0.062
	1200	8x15	1210	0.048
		10x12.5	1240	0.053
	1500	8x20	1410	0.041
	1800	10x16	1650	0.038
	2200	10x20	1960	0.026
	2700	10x25	2250	0.023
	3900	13x20	2480	0.023
	4700	13x25	2900	0.020
	5600	13x30	3450	0.017
	6800	13x35	3570	0.016
		16x20	3250	0.018
	8200	16x25	3630	0.017
10V (13)	150	5x11	330	0.24
	330	6.3x11	500	0.11
	680	8x12	900	0.062
	1000	8x15	1210	0.048
		10x12.5	1240	0.053
	1500	8x20	1410	0.041
		10x16	1650	0.038
	1800	10x20	1960	0.026
	2200	10x25	2250	0.023
	3300	13x20	2480	0.023
	3900	13x25	2900	0.020
	4700	13x30	3450	0.017
		16x20	3250	0.018
	5600	13x35	3570	0.016
	6800	16x25	3630	0.017
16V (20)	100	5x11	330	0.24
	220	6.3x11	500	0.11
	470	8x12	900	0.062
	680	8x15	1210	0.048
		10x12.5	1240	0.053
	1000	8x20	1410	0.041
		10x16	1650	0.038
	1500	10x20	1960	0.026

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
16V (20)	1800	10x25	2250	0.023
	2200	13x20	2480	0.023
	2700	13x25	2900	0.020
	3300	13x30	3450	0.017
		16x20	3250	0.018
	3900	13x35	3570	0.016
	4700	16x25	3630	0.017
25V (32)	68	5x11	330	0.24
	150	6.3x11	500	0.11
	330	8x12	900	0.062
	390	8x15	1210	0.048
	470	10x12.5	1240	0.053
	560	8x20	1410	0.041
	680	10x16	1650	0.038
	820	10x20	1960	0.026
	1000	10x25	2250	0.023
	1500	13x20	2480	0.023
	1800	13x25	2900	0.020
	2200	13x30	3450	0.017
		16x20	3250	0.018
	2700	13x35	3570	0.016
	3300	16x25	3630	0.017
35V (44)	47	5x11	330	0.24
	100	6.3*11	500	0.11
	220	8x12	900	0.062
	270	8x15	1210	0.048
	330	10x12.5	1240	0.053
	390	8x20	1410	0.041
	470	10x16	1650	0.038
	560	10x20	1960	0.026
	680	10x25	2250	0.023
	1000	13x20	2480	0.023
	1200	13x25	2900	0.020
	1500	13x30	3450	0.017
		16x20	3250	0.018
	1800	13x35	3570	0.016
	2200	16x25	3630	0.017

TEAPO

Radial Type Aluminium Electrolytic Capacitors

TC Low impedance、Long life Series

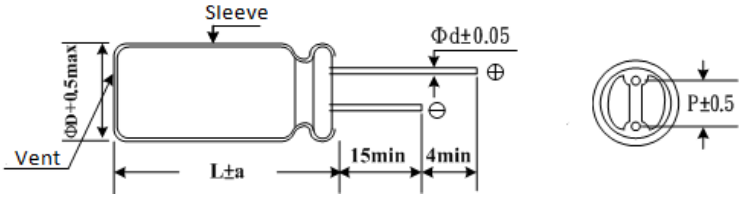
■ Endurance:105℃6000~10000hours
■ Recommended Applications :Applicable forAV(TV,Viodeo,Audio),
OA/HA/Communication, SMPS, Adapter,Monitor/Computer,Converter/Inverter
■ Corresponding product to RoHS

TC
↑ Long Life
TB

■ SPECIFICATIONS

Item	Characteristics
Category Temperature Range	-40 ~ +105℃
Rated Voltage Range	6.3~100VDC
Rated Capacitance Range	8.2 ~ 8200 μF
Capacitance Tolerance	± 20 % (120Hz , 20℃)
Leakage Current (20℃)	I=0.01CV or 3 μA whichever is greater. (After rated voltage applied for 2 minutes) I：Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)
Dissipation Factor(MAX) (tan δ) (120Hz ,20℃)	WV: 6.3 / 10 / 16 / 25 / 35 / 50 / 63 / 80 / 100 tan δ: 0.22 / 0.19 / 0.16 / 0.14 / 0.12 / 0.10 / 0.09 / 0.08 / 0.08 When nominal capacitance is over 1000 μF,tan δ shall be added 0.02 to the listed value with increase of every 1000 μF.
Low Temperature Stability Impedance Ratio (MAX)	WV / Z(120Hz): 6.3 / 10 / 16 / 25 / 35 / 50 / 63 / 80 / 100 Z-25℃ / Z+20℃: 4 / 3 / 2 / 2 / 2 / 2 / 2 / 2 / 2 Z-40℃ / Z+20℃: 8 / 6 / 4 / 3 / 3 / 3 / 3 / 3 / 3
Endurance	After applying rated voltage with rated ripple current for 6000~10000hours at 105℃, the capacitors shall meet the following requirements. Capacitance change: Within ± 25% of initial value(6.3、10V：± 30%) D.F. (tan δ): Not more than 200% of specified value Leakage current: initial specified value or less DΦ: 5-6.3Φ / 8Φ / 10~18Φ Life: 6000hrs / 8000hrs / 10000hrs
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for1,000 hours at 105℃ without voltage applied.

■ Dimensions [mm]



ΦD	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8
a	1.5	1.5	1.5	1.5	2.0	2.0	2.0

■ Multiplier for Ripple Current

Freq. (Hz)	120	1K	10K	100K
8.2 ~ 33	0.42	0.70	0.90	1.00
47 ~ 270	0.50	0.73	0.92	1.00
330 ~680	0.55	0.77	0.94	1.00
820 ~ 1800	0.60	0.80	0.96	1.00
2200 ~8200	0.70	0.85	0.98	1.00

Radial Type Aluminium Electrolytic Capacitors

TC Low impedance、Long life Series

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
6.3V (8)	220	5x11	345	0.242
	470	6.3x11	540	0.103
	820	8x12	945	0.062
	1200	8x16	1250	0.050
		10x12.5	1330	0.043
	1500	8x20	1500	0.032
	1800	10x16	1760	0.031
	2200	10x20	1960	0.022
	2700	10x25	2250	0.020
	3900	13x20	2480	0.019
	4700	13x25	2900	0.017
	5600	13x30	3450	0.014
	6800	16x20	3250	0.017
		13x35	3570	0.013
	8200	16x25	3630	0.014
10V (13)	150	5x11	345	0.242
	330	6.3x11	540	0.103
	680	8x12	945	0.062
	1000	8x16	1250	0.050
		10x12.5	1330	0.043
	1500	8x20	1500	0.032
		10x16	1760	0.031
	1800	10x20	1960	0.022
	2200	10x25	2250	0.020
	3300	13x20	2480	0.019
	3900	13x25	2900	0.017
	4700	13x30	3450	0.014
		16x20	3250	0.017
	5600	13x35	3570	0.013
	6800	16x25	3630	0.014
16V (20)	100	5x11	345	0.242
	220	6.3x11	540	0.103
	470	8x12	945	0.062
	680	8x16	1250	0.050
		10x12.5	1330	0.043
	1000	8x20	1500	0.032
		10x16	1760	0.031
	1500	10x20	1960	0.022
	1800	10x25	2250	0.020
	2200	13x20	2480	0.019
	2700	13x25	2900	0.017
	3300	13x30	3450	0.014
		16x20	3250	0.017
	3900	13x35	3570	0.013
	4700	16x25	3630	0.014
25V (32)	68	5x11	345	0.242
	150	6.3x11	540	0.103
	330	8x12	945	0.062
	390	8x16	1250	0.050
	470	10x12.5	1330	0.043
	560	8x20	1500	0.032
	680	10x16	1760	0.031
	820	10x20	1960	0.022
	1000	10x25	2250	0.020
	1500	13x20	2480	0.019
	1800	13x25	2900	0.017
	2200	13x30	3450	0.014
		16x20	3250	0.017
	2700	13x35	3570	0.013
	3300	16x25	3630	0.014
35V (44)	47	5x11	345	0.2200
	100	6.3x11	540	0.094

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
35V (44)	220	8x12	945	0.056
	270	8x16	1250	0.050
	330	10x12.5	1330	0.041
	390	8x20	1500	0.032
	470	10x16	1760	0.030
	560	10x20	1960	0.025
	680	10x25	2250	0.023
	1000	13x20	2480	0.025
	1200	13x25	2900	0.022
	1500	13x30	3450	0.018
		16x20	3250	0.020
	1800	13x35	3570	0.018
	2200	16x25	3630	0.015
50V (63)	27	5x11	238	0.3400
	56	6.3x11	385	0.1400
	100	8x12	724	0.074
	120	8x16	950	0.061
	150	10x12.5	979	0.061
	180	8x20	1190	0.046
	220	10x16	1370	0.042
	270	10x20	1580	0.030
	330	10x25	1870	0.028
	470	13x20	2050	0.027
	560	13x25	2410	0.023
	680	13x30	2860	0.021
	820	13x35	2960	0.019
		16x20	2730	0.023
	1000	16x25	3010	0.021
63V (79)	18	5x11	173	1.000
	47	6.3x11	278	0.560
	82	8x12	525	0.264
	100	8x16	688	0.192
	120	10x12.5	725	0.180
	150	8x20	861	0.144
	180	10x16	998	0.132
	270	10x20	1200	0.094
		13x16	1200	0.098
	330	10x25	1410	0.083
	390	13x20	1570	0.072
	470	13x25	1990	0.052
	560	13x30	2410	0.042
		16x20	2100	0.052
	680	13x35	2620	0.040
	820	13x40	2940	0.032
		16x25	2730	0.038
		18x20	2500	0.046
	1200	16x32	2990	0.029
		18x25	2800	0.037
	1500	16x36	3040	0.025
		18x32	3300	0.030
	1800	16x40	3570	0.023
		18x36	3570	0.024
	2200	18x40	3670	0.022
80V (100)	12	5x11	163	1.400
	33	6.3x11	267	0.570
	56	8x12	462	0.360
	68	8x16	585	0.250
	82	10x12.5	624	0.230
	100	8x20	735	0.190
	120	10x16	780	0.170
	180	10x20	1040	0.120
		13x16	975	0.130

Radial Type Aluminium Electrolytic Capacitors

TC Low impedance、Long life Series

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
80V (100)	220	10x25	1170	0.110
	270	13x20	1430	0.085
	330	13x25	1620	0.060
	390	13x30	1950	0.051
		16x20	1750	0.058
	470	13x35	2140	0.043
	560	13x40	2340	0.036
		16x25	2210	0.044
		18x20	1950	0.054
	680	16x32	2400	0.033
	820	16x36	2600	0.029
		18x25	2270	0.038
	1000	16x40	2860	0.027
		18x32	2470	0.031
	1200	18x36	2860	0.027
	1500	18x40	3510	0.026
100V (125)	8.2	5x11	163	1.400
	18	6.3x11	267	0.570
	33	8x12	462	0.360
	47	8x16	585	0.250
	56	10x12.5	624	0.230

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
100V (125)	68	8x20	735	0.190
	82	10x16	780	0.170
	100	10x20	1040	0.120
		13x16	975	0.130
	120	10x25	1170	0.110
	150	13x20	1430	0.085
	220	13x25	1620	0.060
	270	13x30	1950	0.051
		16x20	1750	0.058
	330	13x35	2140	0.043
	390	13x40	2340	0.036
		16x25	2210	0.044
		18x20	1950	0.054
	470	16x32	2400	0.033
		18x25	2270	0.038
	560	16x36	2600	0.029
		18x32	2470	0.031
	680	16x40	2860	0.027
		18x36	2860	0.027
	820	18x40	3510	0.026

TEAPO

Radial Type Aluminium Electrolytic Capacitors

SK Standard Series

- Endurance: 85℃ 2000hours
- Recommended Applications :For general purpose , decoupling , by pass and filtering circuit in entertainment electronics
- Corresponding product to RoHS

SPECIFICATIONS

Item	Characteristics	
Category Temperature Range	-40~+85℃	-25~+85℃
Rated Voltage Range	6.3 ~ 100VDC	160 ~ 500VDC
Rated Capacitance Range	1 ~ 22000 μF	1 ~ 470 μF
Capacitance Tolerance	± 20 % (120Hz , 20℃)	± 20 % (120Hz , 20℃)
Leakage Current (20℃)	I=0.01CV or 3 μA whichever is greater.	I=0.03CV+10(μA)
	(After rated voltage applied for 2 minutes) I：Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)	

Dissipation Factor(MAX) (tan δ) (120Hz ,20℃)

WV	6.3	10	16	25	35	50	63	100	160~250	350~500
tan δ	0.24	0.20	0.16	0.14	0.12	0.10	0.10	0.10	0.20	0.24

When nominal capacitance is over 1000 μF,tan δ shall be added 0.02 to the listed value with increase of every 1000 μF.

Low Temperature Stability Impedance Ratio (MAX)

WV / Z(120Hz)	6.3	10	16	25	35~100	160~250	315~350	400~500
Z-25℃ / Z+20℃	8	6	5	3	3	7	10	15
Z-40℃ / Z+20℃	10	8	6	4	3	—	—	—

Endurance

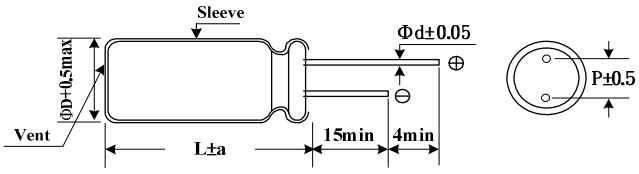
After applying rated voltage for 2000 hours at 85℃,Stay back to 20 ℃ temperature measurement, the capacitors shall meet the following requirements.

Capacitance change	Within ± 20% of initial value
D.F. (tan δ)	Not more than 200% of specified value
Leakage current	initial specified value or less

Shelf Life

The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for1,000 hours at 85℃ without voltage applied.

Dimensions [mm]



ΦD	5	6.3	8	10	13	16	18	22
P	2.0	2.5	3.5	5.0		7.5		10.0
Φd	0.5	0.5	0.6	0.6		0.8		0.8
a	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0

Multiplier for Ripple Current

Freq. (Hz)	120	300	1K	10~100K
6.3 ~ 100V ≦68 μF	1.00	1.20	1.30	1.50
6.3 ~ 100V 100 ~ 680 μF	1.00	1.10	1.15	1.20
6.3 ~ 100V 1000 ~ 22000 μF	1.00	1.05	1.10	1.15
160 ~ 450V ≦220 μF	1.00	1.25	1.40	1.40
160 ~ 450V >220 μF	1.00	1.10	1.13	1.13
500V all volume(μF)	1.00	1.05	1.10	1.10

Radial Type Aluminium Electrolytic Capacitors

SK Standard Series

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms85℃) (120Hz)
6.3 (8)	22	5x11	0.24	35
	33	5x11	0.24	55
	47	5x11	0.24	75
	100	5x11	0.24	130
	220	5x11	0.24	200
		6.3x11	0.24	240
	330	6.3x11	0.24	260
	470	6.3x11	0.24	330
	680	8x11	0.24	410
	1000	8x11	0.24	460
		10x12.5	0.24	580
	2200	10x20	0.26	840
	3300	10x20	0.28	1000
	4700	13x20	0.30	1300
	6800	13x25	0.34	1550
	10000	16x25	0.42	1900
	15000	16x36	0.52	2500
	22000	18x40	0.66	3650
10 (13)	10	5x11	0.20	35
	22	5x11	0.20	55
	33	5x11	0.20	80
	47	5x11	0.20	95
	100	5x11	0.20	180
	220	6.3x11	0.20	250
	330	6.3x11	0.20	265
	470	6.3x11	0.20	320
	680	8x11	0.20	410
	1000	10x12.5	0.20	580
	2200	10x20	0.22	880
	3300	13x20	0.24	1250
	4700	13x25	0.26	1500
	6800	16x25	0.30	1900
	10000	16x36	0.38	2225
		18x32	0.38	2225
	15000	18x36	0.48	2950
	22000	22x40	0.62	3700
16 (20)	10	5x11	0.16	40
	22	5x11	0.16	75
	33	5x11	0.16	110
	47	5x11	0.16	130
	68	5x11	0.16	150
	100	5x11	0.16	165
	150	6.3x11	0.16	205
	220	6.3x11	0.16	260
	330	6.3x11	0.16	290
		8x11	0.16	360
	470	8x11	0.16	400
	680	10x12.5	0.16	510
	1000	10x15	0.16	630
	2200	13x20	0.18	1100
	3300	13x25	0.20	1400
	4700	16x25	0.22	1800
	6800	16x32	0.26	1980
	10000	18x36	0.34	2700
	15000	22x40	0.44	3150
	22000	22x40	0.58	3800
25 (32)	10	5x11	0.14	50
	22	5x11	0.14	90
	33	5x11	0.14	115
	47	5x11	0.14	135
	68	5x11	0.14	145
	100	6.3x11	0.14	160

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms85℃) (120Hz)
25 (32)	220	8x11	0.14	290
	330	8x11	0.14	315
	470	8x15	0.14	420
		10x12.5	0.14	460
	680	10x15	0.14	550
	1000	10x20	0.14	760
		13x16	0.14	760
	2200	13x25	0.16	1300
	3300	16x25	0.18	1660
	4700	16x32	0.20	1950
	6800	18x36	0.24	2550
	10000	22x40	0.32	2800
	15000	22x40	0.42	3200
35 (44)	10	5x11	0.12	60
	22	5x11	0.12	95
	33	5x11	0.12	120
	47	5x11	0.12	120
	100	6.3x11	0.12	185
	220	8x11	0.12	290
	330	10x12.5	0.12	420
	470	10x15	0.12	430
	680	10x20	0.12	550
	1000	13x20	0.12	950
	2200	16x25	0.14	1600
	3300	16x36	0.16	1970
		18x32	0.16	2050
	4700	18x36	0.18	2400
	6800	22x40	0.22	2600
50 (63)	10	5x11	0.10	65
	22	5x11	0.10	100
	33	5x11	0.10	105
	47	6.3x11	0.10	140
	100	8x11	0.10	230
	220	10x12.5	0.10	380
	330	10x15	0.10	490
	470	10x20	0.10	610
	1000	13x25	0.10	1100
	2200	16x36	0.12	1850
		18x32	0.12	1850
	3300	18x36	0.14	2170
	4700	22x40	0.16	2500
63 (79)	10	5x11	0.10	70
	22	5x11	0.10	95
		6.3x11	0.10	115
	33	6.3x11	0.10	130
	47	6.3x11	0.10	190
	100	10x12.5	0.10	300
	220	10x15	0.10	410
		10x20	0.10	490
	330	10x20	0.10	540
	470	13x20	0.10	755
	680	13x25	0.10	965
	1000	16x25	0.10	1310
	2200	18x36	0.12	2200
	3300	22x40	0.14	2500
100 (125)	10	5x11	0.10	65
		6.3x11	0.10	75
	22	6.3x11	0.10	105
		8x11	0.10	130
	33	8x11	0.10	140
	47	10x12.5	0.10	190
	68	10x15	0.10	280

SK

Standard Series

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms85℃) (120Hz)
100 (125)	100	10x20	0.10	400
	150	13x20	0.10	500
	220	13x25	0.10	710
	330	13x25	0.10	720
	470	16x25	0.10	1100
	680	16x36	0.10	1260
	1000	18x40	0.10	1350
160 (200)	1	5x11	0.20	17
		6.3x11	0.20	17
	2.2	6.3x11	0.20	26
	3.3	6.3x11	0.20	30
	4.7	6.3x11	0.20	32
	10	8x11	0.20	50
	22	10x15	0.20	110
	33	10x15	0.20	135
		10x20	0.20	150
	47	10x20	0.20	160
	68	13x20	0.20	200
	100	13x25	0.20	250
	150	16x25	0.20	330
	220	16x32	0.20	450
	330	18x36	0.20	540
	470	18x40	0.20	750
200 (250)	1	5x11	0.20	19
	2.2	6.3x11	0.20	22
	3.3	6.3x11	0.20	30
	4.7	6.3x11	0.20	35
	6.8	8x11	0.20	40
	10	8x11	0.20	45
	22	10x15	0.20	120
	33	10x20	0.20	160
	47	10x20	0.20	170
		13x20	0.20	200
	68	13x25	0.20	230
	100	16x25	0.20	330
	220	16x32	0.20	505
		18x25	0.20	485
	330	16x40	0.20	710
		18x32	0.20	685
	470	18x40	0.20	750
250 (300)	1	5x11	0.20	17
		6.3x11	0.20	19
	2.2	6.3x11	0.20	24
		8x11	0.2	30
	3.3	8x11	0.20	30
	4.7	8x11	0.20	36
	6.8	8x11	0.20	40
	10	10x12.5	0.20	65
	22	10x20	0.20	130

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms85℃) (120Hz)
250 (300)	33	13x20	0.20	140
	47	13x25	0.20	210
	100	16x25	0.20	250
	150	16x32	0.20	330
	220	18x36	0.20	540
350 (400)	1.0	6.3x11	0.24	19
	2.2	8x11	0.24	33
	3.3	8x11	0.24	33
	4.7	10x12.5	0.24	39
	10	10x15	0.24	70
	22	13x20	0.24	130
	33	13x25	0.24	170
	47	16x25	0.24	220
	100	16x36	0.24	320
		18x32	0.24	300
400 (450)	1.0	6.3x11	0.24	16
		8x11	0.24	19
	2.2	6.3x11	0.24	20
		8x11	0.24	26
	3.3	8x11	0.24	35
	4.7	8x11	0.24	38
		10x12.5	0.24	42
	6.8	8x15	0.24	42
		10x12.5	0.24	45
	10	10x15	0.24	50
	22	13x20	0.24	100
	33	13x25	0.24	140
	47	16x25	0.24	180
	68	16x32	0.24	250
		18x25	0.24	220
	100	18x32	0.24	320
	150	18x40	0.24	420
450 (500)	1.0	8x11	0.24	19
	2.2	10x12.5	0.24	33
	3.3	10x12.5	0.24	40
	4.7	10x12.5	0.24	45
	6.8	10x15	0.24	50
	10	10x20	0.24	58
		13x20	0.24	60
	22	13x25	0.24	98
	33	16x25	0.24	145
500(550)	2.2	10x12.5	1.24	33
	3.3	10x15	2.24	43
	6.8	10x20	3.24	70
	10	13x20	4.24	93
	22	16x25	5.24	105
	33	16x25	6.24	200
	47	18x32	7.24	185

TEAPO

ALUMINUM ELECTROLYTIC CAPACITORS

RN Non-polar Series

■ Features: 85℃,1000hrs, Non-polarized/Polarity reversing

■ Recommended Applications:

Small crossover network, Reversed polarity circuit, Coupling

■ Corresponding product to RoHS

■ Specifications

Item	Characteristics
Operating Temperature Rang	-40 ~ +85℃ -25~+85℃
Rated Voltage Range	4 ~ 100VDC 160~250VDC
Rated Capacitance Range	0.1 ~ 6800 μF 0.47~100 μF
Capacitance Tolerance	± 20 % at 120Hz , 20℃
Leakage Current (MAX) (20℃)	I≦0.03CV+4 μA ; L=7mm,I≦0.05CV or 10 μA whichever is greater (After rated voltage applied for 2 minutes) I= Leakage Current (μA) C= Nominal Capacitance (μF) V= Rated Voltage (V)

Dissipation Factor (MAX) (tan δ) (120Hz ,20℃)

WV	4	6.3	10	16	25	35	50	63	80	100	160	200	250
tan δ	0.35	0.24	0.2	0.17	0.15	0.15	0.15	0.10	0.10	0.10	0.20	0.20	0.20

When nominal capacitance is over 1000μF

tanδ shall be added 0.02 to the listed value with increase of every 1000μF.

Low Temperature Stability Impedance Ratio (MAX)

WV / Z(120Hz)	4	6.3	10	16	25	35	50	63	80	100	160	200	250
Z(-25℃) / Z(+20℃)	6	4	3	2	2	2	2	2	2	2	6	6	6
Z(-40℃) / Z(+20℃)	12	8	6	4	4	3	3	3	3	3	-	-	-

Endurance

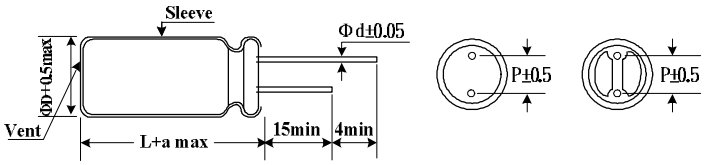
After applying rated voltage for 1000 hours at 85℃,the capacitors shall meet the following requirements.
(The polarity shall be reversed every 250 hours)

Capacitance Change	Within ± 20 % of initial value
Dissipation Factor	Not more than 200% of the specified value
Leakage Current	Not more than the specified value

Shelf Life

After placed at 85℃ without voltage applied for 500 hours,
the capacitors shall meet the same requirements as load life.

■ Diagram of Dimensions



φD	4	5	6.3	8	10	13	16	18
P	1.5	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.45	(0.45) 0.5	(0.45) 0.5	0.6	0.6	0.6	0.8	0.8
a	1.0	(1.0) 1.5	(1.0) 1.5	1.5	1.5	2.0	2.0	2.0

( ) : L = 7

■ Multiplier for Ripple Current

Frequency coefficient

WV(VDC) \ Freq.(Hz)	50	120	1K	10K
4 ~ 16	0.8	1.0	1.1	1.2
25 ~35	0.8	1.0	1.5	1.7
50 ~ 100	0.8	1.0	1.6	1.9
160 ~ 250	0.8	1.0	1.5	1.6

ALUMINUM ELECTROLYTIC CAPACITORS

RN Non-polar Series

■Dimensions,Rated Ripple Current

Capacitance (μF)	Rated (Surge) Voltage															
	4 (5)		6.3 (8)		10 (13)		16 (20)		25 (32)		35 (44)		50 (63)		63 (79)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.10													4x7	1	4x7	1
0.22													4x7	2	4x7	2
0.33													4x7	3	4x7	3
0.47													4x7	5	4x7	5
													5x11	5		
1.0													4x7	10	4x7	15
													5x11	10	5x11	10
2.2											4x7	15	4x7	20	5x7	25
													5x11	20	5x11	20
3.3									4x7	15	5x7	20	5x7	25	6.3x7	30
													5x11	30	5x11	30
4.7											5x7	25	6.3x7	30	6.3x7	35
							4x7	20	5x7	20	5x11	30	5x11	30	6.3x11	35
10							5x7	30	5x11	40	5x11	40				
					4x7	25	5x11	40	6.3x7	35	6.3x7	40	6.3x11	45	6.3x11	55
22					5x7	40	5x11	55	6.3x7	50						
			5x7	35	5x11	50	6.3x7	45	6.3x11	65	6.3x11	70	8x11	80	8x11	90
33	5x7	35	5x7	40	5x11	65	5x11	70	6.3x7	65						
			5x11	60	6.3x7	50	6.3x7	60	6.3x11	80	8x11	100	8x11	105	10x12.5	135
47			5x11	70	5x11	75	6.3x7	70								
	5x7	40	6.3x7	50	6.3x7	60	6.3x11	95	6.3x11	95	8x11	120	8x15	140	10x16	180
100	6.3x7	60	6.3x11	115	6.3x11	125	8x11	160	8x11	160	10x16	230	10x20	265	13x20	320
220			8x11	205	8x11	215	10x12.5	275	10x16	305	13x20	410	13x25	480	16x25	575
330			8x11	265	10x16	345	10x16	375	13x20	450	13x20	505	16x25	650	16x32	750
470			10x12.5	370	10x16	410	10x20	485	13x20	540	13x25	655	16x32	835	18x36	965
1000			10x20	650	13x20	720	13x25	855	16x25	950	16x32	1140				
2200			13x25	1160	16x25	1280	16x32	1510	18x36	1620						
3300			16x25	1570	16x32	1690	18x36	1980								
4700			16x32	2020	18x36	2160										
6800			18x36	2600												

Capacitance (μF)	Rated (Surge) Voltage									
	80 (100)		100 (125)		160 (200)		200 (250)		250 (300)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.47			5x11	5	6.3x11	5				
1			5x11	10	6.3x11	15	6.3x11	15	8x11	15
2.2	5x11	30	6.3x11	25	8x11	20	8x11	20	10x12.5	25
3.3	6.3x11	35	6.3x11	35	10x12.5	30	10x12.5	30	10x12.5	30
4.7	6.3x11	40	6.3x11	40	10x12.5	35	10x16	40	10x16	40
10	8x11	65	8x11	70	10x16	55	13x20	70	13x20	70
22	10x16	105	10x16	135	13x25	105	13x25	120	16x25	135
33	10x16	160	13x20	220	16x25	165	16x25	165	16x32	180
47	10x20	215	13x20	240	16x26	200	16x32	220	16x36	230
100	13x25	385	16x25	425	18x36	360				
220	16x32	690	18x36	720						
330	18x36	860								

☆ Size: D ϕ x L (mm) ☆ Ripple Current : mArms/85℃,120Hz

TEAPO

Screw Type Aluminium Electrolytic Capacitors

KP Standard Series

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	R.C (A/rms,85℃) (120Hz)
80 (100)	56000	64x144	0.25	15.64
	68000	77x144	0.30	16.27
100 (125)	2200	35x50	0.15	2.15
	2700	35x50	0.15	2.38
	3300	35x50	0.15	2.64
	3900	35x60	0.15	3.10
	4700	35x80	0.15	3.87
	5600	35x80	0.15	4.22
	6800	35x100	0.15	5.15
	8200	35x121	0.15	5.83
	10000	51x80	0.20	6.03
	12000	51x80	0.20	6.60
	15000	51x121	0.20	8.86
	18000	51x121	0.20	9.71
	22000	64x100	0.25	9.79
	27000	64x100	0.25	10.85
	33000	64x144	0.25	12.80
	39000	77x115	0.25	13.11
	47000	77x144	0.25	14.81
160 (200)	1200	35x50	0.15	2.64
	1500	35x60	0.15	3.20
	1800	35x70	0.15	3.63
	2200	35x80	0.15	4.26
	2700	35x100	0.15	4.68
	3300	35x121	0.15	5.22
	3900	51x70	0.15	5.70
	4700	51x70	0.15	6.26
	5600	51x90	0.15	7.00
	6800	51x90	0.15	7.72
	8200	51x115	0.15	9.04
	10000	64x96	0.20	10.30
	12000	64x96	0.20	11.29
	15000	64x130	0.20	13.83
	18000	64x130	0.20	15.15
	22000	77x130	0.20	18.57
	27000	77x130	0.20	20.58
	33000	90x131	0.20	23.90
	39000	90x157	0.20	28.10
200 (250)	680	35x50	0.15	1.99
	820	35x50	0.15	2.19
	1000	35x60	0.15	2.62
	1200	35x60	0.15	2.87
	1500	35x80	0.15	3.52
	1800	35x80	0.15	3.85
	2200	35x100	0.15	4.23
	2700	35x121	0.15	4.72
	3300	51x70	0.15	5.24
	3900	51x70	0.15	5.70
	4700	51x90	0.15	6.42
	5600	51x115	0.15	7.47
	6800	51x130	0.15	8.70
	8200	64x96	0.20	9.33
	10000	64x96	0.20	10.30
	12000	77x96	0.20	12.56
	15000	77x96	0.20	14.04
	18000	77x130	0.20	16.80
	22000	77x155	0.20	20.07
	27000	90x131	0.20	21.62
	33000	90x157	0.20	25.85
250 (300)	470	35x50	0.15	1.66
	560	35x50	0.15	1.81
	680	35x50	0.15	1.99

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	R.C (A/rms,85℃) (120Hz)
250 (300)	820	35x60	0.15	2.37
	1000	35x80	0.15	2.87
	1200	35x80	0.15	3.15
	1500	35x100	0.15	3.49
	1800	35x100	0.15	3.83
	2200	51x70	0.15	4.28
	2700	51x70	0.15	4.74
	3300	51x90	0.15	5.38
	3900	51x115	0.15	6.23
	4700	64x96	0.20	7.06
	5600	64x96	0.20	7.71
	6800	64x115	0.20	9.19
	8200	64x115	0.20	10.09
	10000	64x130	0.20	11.76
	12000	77x115	0.20	13.01
	15000	77x130	0.20	14.70
	18000	77x155	0.20	17.40
	22000	90x157	0.20	20.19
350 (400)	390	35x50	0.20	1.74
	470	35x80	0.20	2.35
	560	35x80	0.20	2.57
	680	35x80	0.20	2.83
	820	35x100	0.20	3.18
	1000	35x100	0.20	3.51
	1200	51x70	0.20	3.94
	1500	51x70	0.20	4.41
	1800	51x90	0.20	5.38
	2200	51x90	0.20	5.95
	2700	51x130	0.20	6.91
	3300	51x130	0.20	7.63
	3900	64x115	0.25	8.71
	4700	64x130	0.25	9.81
	5600	77x115	0.25	11.26
	6800	77x130	0.25	13.08
	8200	77x155	0.25	15.53
	10000	90x157	0.25	17.71
	12000	90x157	0.25	19.40
	15000	90x196	0.25	23.93
	18000	90x236	0.25	28.51
400 (450)	330	35x80	0.20	1.97
	390	35x80	0.20	2.14
	470	35x80	0.20	2.35
	560	35x80	0.20	2.57
	680	35x100	0.20	2.90
	820	35x100	0.20	3.18
	1000	51x70	0.20	3.60
	1200	51x70	0.20	3.94
	1500	51x90	0.20	4.91
	1800	51x90	0.20	5.38
	2200	51x130	0.20	6.23
	2700	64x96	0.25	7.09
	3300	64x115	0.25	8.01
	3900	64x130	0.25	8.94
	4700	77x115	0.25	10.32
	5600	77x130	0.25	11.87
	6800	77x155	0.25	14.14
	8200	90x157	0.25	16.03
	10000	90x157	0.25	17.71
	12000	90x196	0.25	21.40
	15000	90x236	0.25	26.02
450 (500)	270	35x50	0.20	1.45
	330	35x80	0.20	1.97

Snap-in Type Aluminium Electrolytic Capacitors

LH Standard Series

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (A/rms85℃) (120KHz)
35(44)	12000	25x45	0.35	3.95
		30x35	0.35	4.00
		35x30	0.35	4.05
	15000	25x50	0.35	4.95
		30x40	0.35	4.95
		35x35	0.35	5.00
	18000	30x45	0.35	5.50
		35x40	0.35	5.55
	22000	30x50	0.35	6.00
		35x45	0.35	6.05
	27000	35x50	0.35	6.90
50 (63)	2200	22x25	0.30	1.90
	2700	22x30	0.30	2.10
		25x25	0.30	2.20
	3300	22x30	0.30	2.35
		25x25	0.30	2.35
	3900	22x35	0.30	2.65
		25x30	0.30	2.65
		30x25	0.30	2.65
	4700	22x40	0.30	3.00
		25x35	0.30	3.00
		30x25	0.30	2.95
	5600	22x45	0.30	3.35
		25x40	0.30	3.35
		30x30	0.30	3.35
		35x25	0.30	3.40
	6800	22x50	0.30	3.80
		25x40	0.30	3.80
		30x30	0.30	3.80
		30x35	0.30	3.85
		35x30	0.30	3.85
	8200	25x50	0.30	4.35
		30x40	0.30	4.35
		35x30	0.30	4.40
	10000	30x45	0.30	5.00
		35x35	0.30	4.95
	12000	30x50	0.30	5.60
		35x40	0.30	5.55
	15000	35x45	0.30	6.45
	18000	35x50	0.30	6.70
63 (79)	1800	22x25	0.25	1.85
	2200	22x30	0.25	2.30
		25x25	0.25	2.30
	2700	22x35	0.25	2.45
		25x30	0.25	2.45
		30x25	0.25	2.50
	3300	22x40	0.25	2.60
		25x30	0.25	2.65
		30x25	0.25	2.70
	3900	22x45	0.25	2.95
		25x35	0.25	2.95
		30x30	0.25	3.00
	4700	22x50	0.25	3.40
		25x40	0.25	3.35
		30x30	0.25	3.35
		35x25	0.25	3.40
	5600	25x45	0.25	3.70
		30x35	0.25	3.75
		35x30	0.25	3.75
	6800	30x40	0.25	4.25
		35x30	0.25	4.20
	8200	30x45	0.25	4.80

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (A/rms85℃) (120KHz)
63(79)	8200	35x35	0.25	4.80
	10000	30x50	0.25	5.50
		35x40	0.25	5.45
	12000	35x45	0.25	6.20
80 (100)	1200	22x25	0.25	1.65
	1500	22x30	0.25	1.90
		25x25	0.25	1.90
	1800	22x35	0.25	2.20
		25x30	0.25	2.20
		30x25	0.25	2.20
	2200	22x40	0.25	2.45
		25x30	0.25	2.45
		30x25	0.25	2.50
	2700	22x45	0.25	2.80
		25x35	0.25	2.80
		30x30	0.25	2.85
		35x25	0.25	2.85
	3300	22x50	0.25	3.15
		25x40	0.25	3.20
		30x30	0.25	3.20
		35x25	0.25	3.20
	3900	25x45	0.25	3.60
		30x35	0.25	3.60
		35x30	0.25	3.60
	4700	25x50	0.25	4.05
		30x40	0.25	4.05
		35x35	0.25	4.10
	5600	30x45	0.25	4.55
		35x35	0.25	4.50
	6800	30x50	0.25	5.15
		35x40	0.25	5.15
	8200	35x45	0.25	5.85
	10000	35x50	0.25	6.60
100 (125)	820	22x25	0.25	1.85
	1000	22x30	0.25	2.10
		25x25	0.25	2.10
	1200	22x35	0.25	2.40
		25x30	0.25	2.45
	1500	22x40	0.25	2.70
		25x30	0.25	2.75
		30x25	0.25	2.75
	1800	22x45	0.25	3.10
		25x35	0.25	3.15
		30x30	0.25	3.15
		35x25	0.25	3.15
	2200	22x50	0.25	3.50
		25x40	0.25	3.55
		30x30	0.25	3.55
		35x25	0.25	3.60
	2700	25x45	0.25	4.10
		30x35	0.25	4.05
		35x30	0.25	4.05
	3300	25x50	0.25	4.50
		30x40	0.25	4.55
		35x30	0.25	4.50
	3900	30x45	0.25	5.15
		35x35	0.25	5.10
	4700	35x40	0.25	5.75
	5600	35x50	0.25	6.20
160 (200)	270	22x25	0.15	1.15
	330	22x25	0.15	1.40
		25x20	0.15	1.35

TEAPO

Radial Type Aluminium Electrolytic Capacitors

SC Low impedance、High Ripple Series

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
6.3V (8)	150	5x11	200	0.420
	220	6.3x11	250	0.320
	270	6.3x11	250	0.220
	330	6.3x11	250	0.230
		8x11	400	0.180
	470	*6.3x11	440	0.180
		8x11	550	0.140
	680	*8x11	580	0.120
		8x15	700	0.100
	820	8x20	750	0.085
	1000	*8x11	580	0.150
		8x15	700	0.085
		8x20	800	0.069
		10x12.5	690	0.080
	1200	10x16	1000	0.064
	1500	*8x15	980	0.085
		8x20	800	0.051
		*10x16	1070	0.055
		10x20	1250	0.044
	2200	*10x20	1220	0.051
		*10x25	1310	0.048
		13x20	1450	0.043
	3300	*10x25	1400	0.043
		13x25	1700	0.035
	3900	13x25	1750	0.032
	4700	*13x30	1570	0.033
		*13x25	1520	0.032
		16x25	1800	0.028
	6800	16x32	2000	0.024
	8200	16x32	2350	0.019
	10000	16x36	2550	0.019
	15000	18x36	3000	0.019
10V (13)	100	5x11	150	0.420
	120	5x11	200	0.370
	150	6.3x11	250	0.320
	220	6.3x11	300	0.220
	330	8x11	550	0.140
	470	8x11	550	0.120
		8x15	750	0.100
	680	*8x11	640	0.110
		10x12.5	800	0.085
	820	10x16	1050	0.064
	1000	8x20	1080	0.065
		*10x12.5	930	0.075
		10x16	990	0.085
		10x20	1100	0.050
	1200	10x20	1250	0.044
	1500	10x20	1450	0.039
	2200	*10x20	1330	0.047
		*10x25	1450	0.039
		13x20	1600	0.038
	3300	*10x30	1740	0.032
		13x25	2000	0.028
	4700	*13x25	1860	0.028
		16x25	2200	0.024
	6800	16x36	2550	0.019
	8200	18x36	2800	0.019
16V (20)	56	5x11	100	0.630
	68	5x11	150	0.420
	100	5x11	200	0.370
	120	6.3x11	250	0.320
	150	6.3x11	300	0.220

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
16V (20)	220	8x11	550	0.140
	330	8x11	550	0.120
		8x15	750	0.100
		10x12.5	688	0.080
	470	8x15	730	0.093
		10x12.5	800	0.085
	680	10x16	1050	0.064
	820	10x20	1100	0.044
	1000	*10x16	1140	0.043
		10x20	1250	0.039
	1200	*10x25	1310	0.042
		13x20	1450	0.038
	1500	*10x20	1200	0.045
		13x20	1600	0.034
	2200	*10x30	1780	0.032
		*13x20	1720	0.033
		13x25	2000	0.028
	3300	*13x40	2200	0.026
		16x25	2200	0.024
	4700	16x36	2550	0.019
	6800	18x36	2800	0.019
25V (32)	10	5x11	50	0.550
	47	5x11	150	0.450
	56	5x11	150	0.420
	68	6.3x11	200	0.370
	100	6.3x11	250	0.220
	120	8x11	300	0.200
	150	8x11	550	0.140
	220	8x11	550	0.120
		8x15	750	0.100
	330	*8x15	660	0.100
		8x20	800	0.069
		10x16	900	0.086
	470	8x20	800	0.067
		10x12.5	760	0.086
		10x16	1050	0.064
	680	10x20	1100	0.039
	820	10x20	1250	0.039
	1000	*10x20	1160	0.047
		*10x25	1310	0.042
		13x20	1450	0.038
	1200	13x25	1600	0.035
	1500	*13x30	1750	0.032
		16x25	2000	0.028
	2200	*13x30	1810	0.029
		*16x25	1660	0.032
		16x32	2200	0.024
	3300	*16x36	2540	0.019
		18x36	2550	0.019
	4700	18x36	2800	0.019
	6800	18x36	2800	0.019
35V (44)	4.7	5x11	115	1.200
	6.8	5x11	120	1.000
	10	5x11	140	0.900
	15	5x11	170	0.690
	22	5x11	190	0.600
	33	5x11	200	0.580
	47	6.3x11	250	0.390
	68	6.3x11	300	0.220
	100	6.3x11	350	0.180
		8x11	450	0.140
	120	8x11	550	0.130

" * " is down size , Ripple Life is less 1000 hrs than standard