TEAPO

Radial Type Aluminium Electrolytic Capacitors

SJ Low impedance、High Ripple Series

■ Endurance: 105℃, 1000～5000 hours

■ Recommended Applications : Applying to AV(TV, video, audio), monitor /computer, OA/HA /communication, transducer/inverter, adapter, switching power supply

SJ
↑ Low impedance
SC

■ Corresponding product to RoHS

■ SPECIFICATIONS

Item	Characteristics
Category Temperature Range	-40 ~ +105℃
Rated Voltage Range	6.3 ~ 100VDC
Rated Capacitance Range	5.6 ~ 6800 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	100
tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	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	100
Z(-25℃) / Z(20℃)	4	3	2	2	2	2	2	2
Z(-40℃) / Z(20℃)	8	6	4	3	3	3	3	3

Endurance

The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for the specified period of time at 105℃.

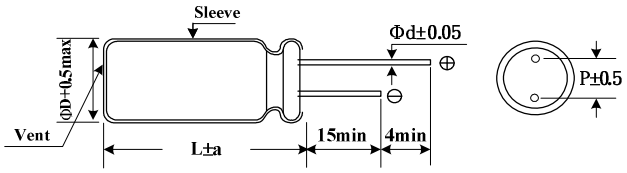
Capacitance change	Within ± 25% of initial value
D.F. (tan δ)	Not more than 200% of specified value
Leakage current	Not more than the specified value

Case size (Φ)		Life time (hours)
L=7		1000
L≧11	ΦD≦6.3	2000
	ΦD = 8	3000
	ΦD = 10	4000
	ΦD≧13	5000

*If dimension is down size,Endurance will be less 1000hrs than standard.

Shelf Life: The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for1,000 hours (L=7mm is 500Hours)at 105℃ without voltage applied.

■ Dimensions [mm]



ΦD	4	5	6.3	8	10	13	16	18
P	1.5	2	2.5	3.5	5.0	5.0	7.5	7.5
Φd	0.45	0.5（0.45）	0.5（0.45）	0.6（0.5）	0.6	0.6	0.8	0.8
a	1.0	1.5（1.0）	1.5（1.0）	1.5（1.0）	1.5	2.0	2.0	2.0

( ) : L = 7

■ Multiplier for Ripple Current

Freq. (Hz)	50	120	1K	10K	100K
5.6 ~ 390 μF	0.60	0.70	0.85	0.95	1.00
470 ~ 1000 μF	0.65	0.75	0.90	0.98	1.00
1200 ~ 6800 μF	0.75	0.80	0.95	1.00	1.00

TEAPO

Radial Type Aluminium Electrolytic Capacitors

SJ 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)	39	4x7	130	0.85
	47	5x7	175	0.7
	56	5x7	190	0. 56
	68	5x7	210	0.43
	100	5x11	200	0.43
		6.3x7	240	0.35
	120	5x11	220	0.38
		6.3x7	270	0.29
	150	5x11	250	0.3
		6.3x7	300	0.23
	180	8x7	340	0.18
	220	8x7	380	0.15
	270	6.3x11	370	0.16
	330	6.3x11	410	0.13
	470	8x11	680	0.086
	560	8x11	760	0.072
	680	8x15	900	0.062
	820	8x15	1000	0.056
	1000	10x12.5	1030	0.053
	1200	8x20	1250	0.041
		10x16	1430	0.038
	1500	10x20	1820	0.026
	1800	10x25	1940	0.025
	2200	10x25	2150	0.023
	2700	13x20	2230	0.022
	3300	13x20	2360	0.021
	3900	13x25	2770	0.018
	4700	13x30	3290	0.016
	5600	13x35	3400	0.015
		16x20	3140	0.018
	6800	16x25	3460	0.016
10V (13)	27	4x7	130	0.89
	33	5x7	160	0.75
	39	5x7	175	0.64
	47	5x7	190	0.53
	56	5x7	210	0.44
	68	5x11	210	0.44
	100	5x11	250	0.3
	120	6.3x7	300	0.23
	150	8x7	350	0.18
	180	8x7	380	0.15
	220	6.3x11	410	0.13
	270	8x11	580	0.12
	330	8x11	640	0.1
	470	8x11	760	0.072
	560	8x15	910	0.068
		10x12.5	940	0.064
	680	10x12.5	1030	0.053
	820	8x20	1130	0.05
		10x16	1300	0.046
	1000	8x20	1250	0.041
		10x16	1430	0.038
	1200	10x20	1820	0.026
	1500	10x25	2150	0.023
	1800	13x20	2230	0.022
	2200	13x20	2360	0.021
	2700	13x25	2510	0.02
	3300	13x25	2770	0.018
	3900	13x30	3290	0.016
		16x20	3140	0.018
	4700	13x35	3400	0.015
	5600	16x25	3460	0.016

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
16V (20)	18	4x7	130	0.92
	27	5x7	190	0.61
	33	5x7	210	0.45
	39	5x11	220	0.43
	47	5x11	230	0.36
	56	5x11	250	0.3
	68	6.3x7	300	0.24
	100	6.3x11	370	0.16
		8x7	350	0.18
	120	6.3x11	410	0.13
		8x7	380	0.15
	150	8x11	510	0.12
	180	8x11	560	0.11
	220	8x11	620	0.1
	270	8x11	690	0.088
	330	8x11	760	0.072
	470	8x15	1000	0.056
		10x12.5	1030	0.053
	560	8x20	1140	0.049
		10x16	1300	0.046
	680	8x20	1250	0.041
		10x16	1430	0.038
	820	10x20	1650	0.032
	1000	10x20	1820	0.026
	1200	10x25	2150	0.023
	1500	13x20	2360	0.021
	1800	13x25	2510	0.02
	2200	13x25	2770	0.018
	2700	13x30	3290	0.016
		16x20	3140	0.018
	3300	13x35	3400	0.015
	3900	16x25	3460	0.016
25V (32)	15	4x7	130	0.94
	18	5x7	170	0.69
	27	5x7	210	0.46
	33	5x11	220	0.42
	39	5x11	230	0.36
	47	5x11	250	0.3
	56	6.3x7	300	0.24
	68	6.3x11	340	0.19
		8x7	310	0.22
	100	6.3x11	410	0.13
		8x7	380	0.15
	120	8x11	560	0.12
	150	8x11	630	0.105
	180	8x11	690	0.088
	220	8x11	760	0.072
	270	8x15	900	0.068
		10x12.5	930	0.065
	330	10x12.5	1030	0.053
	470	8x20	1250	0.041
		10x16	1430	0.038
	560	10x20	1650	0.032
	680	10x20	1820	0.026
	820	10x25	2150	0.023
	1000	13x20	2360	0.021
	1200	13x25	2510	0.02
	1500	13x25	2770	0.018
	1800	13x30	3290	0.016
		16x20	3140	0.018
	2200	13x35	3400	0.015
	2700	16x25	3460	0.016

TEAPO

Radial Type Aluminium Electrolytic Capacitors

SJ 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)
35V (44)	10	4x7	130	0.96
	15	5x7	190	0.57
	18	5x7	210	0.47
	27	5x11	230	0.37
	33	5x11	250	0.30
	39	6.3x7	300	0.25
	47	6.3x11	380	0.15
		8x7	350	0.19
	56	6.3x11	410	0.13
		8x7	380	0.16
	68	8x11	510	0.12
	100	8x11	620	0.105
	120	8x11	680	0.088
	150	8x11	760	0.072
	180	8x15	910	0.068
		10x12.5	930	0.065
	220	10x12.5	1030	0.053
	270	8x20	1250	0.041
	330	10x16	1430	0.038
	470	10x20	1820	0.026
	560	10x25	2150	0.023
	680	13x20	2360	0.023
	820	13x25	2510	0.02
	1000	13x25	2770	0.018
	1200	13x30	3290	0.016
		16x20	3140	0.018
	1500	13x35	3400	0.015
	1800	16x25	3460	0.016
50V (63)	5.6	4x7	130	1
	6.8	5x7	170	0.74
	10	5x7	210	0.5
	15	6.3x7	220	0.38
		5x11	215	0.48
	22	6.3x7	300	0.26
		5x11	240	0.34
	27	8x7	340	0.21
	33	8x7	380	0.17
	39	6.3x11	330	0.16
	47	6.3x11	360	0.15
	56	6.3x11	390	0.14
	68	8x11	600	0.11
	82	8x11	660	0.09
	100	8x11	730	0.074
	120	8x15	950	0.065
	150	10x12.5	980	0.061
	180	8x20	1190	0.046
	220	10x16	1370	0.042
	270	10x20	1580	0.03
	330	10x25	1870	0.028
	390	13x20	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	16x32	3350	0.021
63V (79)	15	5x11	136	1.19
	22	6.3x11	176	0.88
	27	6.3x11	192	0.58
	33	6.3x11	216	0.47

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
63V (79)	39	8x11	308	0.42
	47	8x11	336	0.35
	56	8x11	400	0.35
	68	8x15	488	0.26
		10x12.5	500	0.24
	82	8x15	536	0.22
		10x12.5	552	0.20
	100	10x16	640	0.16
	120	8x20	656	0.16
		10x16	760	0.15
	150	10x20	808	0.13
		13x16	832	0.13
	180	10x20	880	0.11
		13x16	912	0.11
	220	10x25	1040	0.099
	270	13x20	1200	0.081
	330	13x25	1480	0.058
	390	13x30	1640	0.063
		16x20	1448	0.073
	470	13x30	1800	0.061
		16x20	1592	0.061
	560	13x35	1960	0.047
		16x25	2040	0.043
	680	13x40	2224	0.039
		18x20	1960	0.051
	820	16x32	2248	0.035
		18x25	2224	0.042
	1000	16x36	2272	0.028
		18x32	2616	0.034
	1200	16x40	2672	0.026
		18x36	2648	0.027
	1500	18x40	2736	0.024
100V (125)	10	6.3x11	170	0.95
	15	6.3x 11	210	0.57
	22	8x11	330	0.44
	27	8x11	360	0.36
	33	8x15	375	0.3
	39	8x15	450	0.25
	47	10x12.5	450	0.24
	56	8x20	570	0.19
	68	10x16	580	0.18
	82	10x20	750	0.13
		13x16	740	0.13
	100	10x25	880	0.12
	120	13x20	1050	0.094
	150	13x25	1100	0.085
	180	13x25	1200	0.071
	220	13x30	1410	0.063
		16x20	1300	0.071
	270	13x35	1560	0.052
		16x25	1600	0.053
		18x20	1470	0.069
	330	13x40	1700	0.046
	390	16x32	1750	0.041
		18x25	1620	0.049
	470	16x36	1890	0.033
		18x32	1780	0.039
	560	16x40	2080	0.03
		18x36	2060	0.031
	680	18x40	2570	0.028