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TEAPO

Radial Type Aluminium Electrolytic Capacitors

SC Low impedance、High Ripple Series



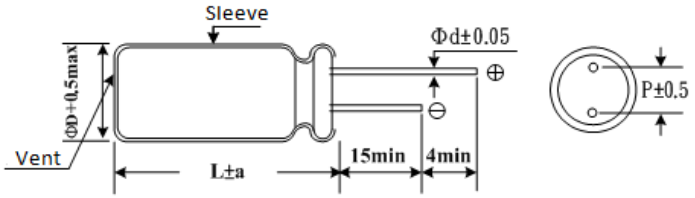
■ Endurance: 105℃ 1000~3000 hours
■ Recommended Applications : Applicable for switching regulator of computer , especially for high frequency
■ Corresponding product to RoHS

SY ↑ Long Life
SC

■ SPECIFICATIONS

Item	Characteristics
Category Temperature Range	-40 ~ +105℃
Rated Voltage Range	6.3 ~ 100VDC
Rated Capacitance Range	4.7 ~ 15000 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 / 3 / 3 / 3 / 2 / 2 / 2 Z-40℃ / Z+20℃: 8 / 6 / 4 / 4 / 4 / 4 / 4 / 4
Endurance	After applying rated voltage with ripple current for 1000~3000 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: Not more than the specified value Case size (Φ): 5 x 11 ~ 10 x 12.5 / 10 x 15higher Life time (hours): 2000 / 3000 *If dimension is down size,Endurance will be less 1000hrs than standard.
Shelf Life	After placed at 105℃ without voltage applied 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	5.0	7.5	7.5	10.0
Φd	0.50	0.5	0.6	0.6	0.6	0.8	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

Cap (μF) \ Freq. (Hz)	50	120	300	1K	10K	100K
≦ 4.7 μF	0.30	0.40	0.50	0.70	0.80	1.00
5.6 ~ 33 μF	0.40	0.50	0.60	0.80	0.90	1.00
34 ~ 330 μF	0.60	0.70	0.80	0.90	0.95	1.00
331 ~ 1000 μF	0.65	0.90	0.90	0.98	1.00	1.00
1200 μF Above	0.85	0.90	0.95	0.98	1.00	1.00

Product specifications in this catalog are subject to change without notice.Please refer to the website directory.

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■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

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Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
35V (44)	150	8x15	650	0.100
	220	8x15	650	0.100
		10x12.5	800	0.069
	330	*10x16	900	0.052
		10x20	1050	0.044
	470	10x20	1300	0.039
	680	13x20	1400	0.038
	820	13x20	1550	0.034
	1000	13x25	1700	0.029
	1200	16x25	1900	0.028
	1500	16x25	2100	0.024
	2200	*16x32	2300	0.021
		16x36	2550	0.019
	3300	18x36	2880	0.019
50V (63)	4.7	5x11	115	2.000
	6.8	5x11	120	1.850
	10	5x11	140	1.700
	15	5x11	180	1.200
	22	5x11	200	0.700
	33	6.3x11	250	0.600
	47	6.3x11	300	0.520
	68	8x11	450	0.350
	100	8x11	450	0.290
		8x15	550	0.250
	120	8x20	650	0.210
	150	10x12.5	800	0.160
	220	*10x16	1050	0.100
		10x25	1050	0.068
	330	10x20	1300	0.072
	470	*10x20	1390	0.075
		13x20	1400	0.060
	680	13x25	1550	0.050
	820	16x25	1700	0.040

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105℃) (100KHz)	Impedance (Ω,20℃) (100KHz)
50V (63)	1000	16x25	1900	0.039
	1200	16x32	2100	0.025
	1500	16x36	2550	0.025
	2200	18x40	2800	0.025
63V (79)	10	5x11	140	1.850
	15	5x11	200	1.700
	22	6.3x11	250	1.200
	33	6.3x11	300	0.900
	47	8x11	450	0.700
	68	8x11	550	0.520
	100	8x20	650	0.350
	120	10x16	800	0.300
	150	10x16	1050	0.200
	220	10x20	1300	0.150
	330	13x20	1400	0.100
	470	13x25	1550	0.064
	680	16x25	1700	0.052
	820	16x32	1900	0.048
	1000	16x32	2100	0.042
	1200	16x36	2550	0.036
	1500	18x36	2800	0.033
100V (125)	10	6.3x11	200	1.500
	15	6.3x11	250	1.200
	22	8x11	300	0.790
	33	8x15	450	0.590
	47	10x16	550	0.350
	68	10x20	650	0.240
	100	13x20	800	0.180
	120	13x25	1050	0.150
	150	13x25	1300	0.110
	220	16x25	1400	0.071
	330	16x32	1550	0.049
	470	18x36	1770	0.038

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