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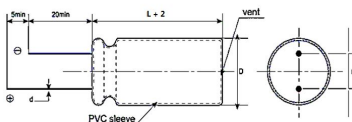
◆ SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	-40~-105°C									
Rated Voltage Range	6.3V~100V DC									
Capacitance Tolerance	±20%(20°C,120Hz)									
Leakage Current (MAX)	I=0.03CV(After 2 minutes) F: Leakage Current(μA) C: Capacitance(μF) V: Rated Voltage(V)									
Dissipation Factor	Rated Voltage(V)	6.3	10	16	25	35	50	63	82	100
	tgδ	0.22	0.20	0.18	0.18	0.15	0.15	0.12	0.12	0.12
When capacitance is over 1000μF, tgδ shall be added 0.02 to the listed value with increase of every 1000μF.										
Endurance	After life test with rated ripple current at conditions stated in the table below at 105°C,						Case Size	Life Time (hrs)	the capacitors shall meet the following requirements	
							D≤6.3	5000		
							D=8	6500		
							D≥10	10000		
Capacitance Change		Within ± 25% of the initial value(6.3V,10V: ± 30%)								
Dissipation Factor		Not more than 200% of the specified value.								
Leakage Current(MAX)		Not more than the specified value.								
Low Temperature Stability	Rated Voltage(V)	6.3	10	16	25	35	50	63	82/100	
	Impedance Ratio-Z (-40°C)/Z(20°C)	8	6	4	3	3	3	3	3	3

◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	120	1K	10K	100K
Coefficient	0.70	0.85	0.80	1.00

◆ DIMENSIONS



D±0.5	5	6.3	8	10	12	13	16	18	22
F±0.6	2	2.6	3	5		7.5		10	
d±0.1	0.5	0.5	0.5	0.6		0.8		0.8	

◆ FEATURES

Load Life:105°C 5000~10000 hours.

Excellent endurance of high ripple current and high temperature, low ESR,high stability.

Used for LED and LED Driver.

◆ STANDARD SIZE (Impedance Ratio:20°C,100KHZ,Rated ripple current:105°C,100KHZ)

Rated Voltage (V) Capacitance (μF)	6.3V			10V			16V			25V			35V		
	Size(mm) D×L	Impedance Ratio(Ωmax)	Rated ripple current(mArms)	Size(mm) D×L	Impedance Ratio(Ωmax)	Rated ripple current(mArms)	Size(mm) D×L	Impedance Ratio(Ωmax)	Rated ripple current(mArms)	Size(mm) D×L	Impedance Ratio(Ωmax)	Rated ripple current(mArms)	Size(mm) D×L	Impedance Ratio(Ωmax)	Rated ripple current(mArms)
4.7										5×11	1.25	45	5×11	1.11	45
5.6										5×11	1.17	48	5×11	1.06	48
6.8										5×11	1.11	55	5×11	0.95	55
8.2										5×11	1.06	60	5×11	0.89	55
10							5×11	1.06	45	5×11	0.95	66	5×11	0.8	60
15							5×11	0.95	50	5×11	0.89	69	5×11	0.74	71
22				5×11	1.12	45	5×11	0.89	55	5×11	0.8	85	5×11	0.68	82
27				5×11	1.06	47	5×11	0.8	65	5×11	0.74	88	5×11	0.62	105
33	5×11	1.05	50	5×11	0.95	55	5×11	0.74	70	5×11	0.68	120	5×11	0.58	135
39	5×11	0.96	55	5×11	0.9	60	5×11	0.68	85	5×11	0.62	130	5×11	0.4	210
47	5×11	0.89	65	5×11	0.82	68	5×11	0.62	120	5×11	0.58	190	5×11	0.38	225
56	5×11	0.8	75	5×11	0.74	75	5×11	0.58	190	5×11	0.5	230	6.3×11	0.22	250
68	5×11	0.73	85	5×11	0.68	95	5×11	0.4	220	6.3×11	0.4	340	6.3×11	0.2	310
82	5×11	0.7	94	5×11	0.62	130	5×11	0.32	230	6.3×11	0.32	355	6.3×11	0.19	325
100	5×11	0.62	105	5×11	0.58	200	5×11	0.24	250	6.3×11	0.22	360	6.3×11	0.17	365
150	6.3×11	0.58	195	6.3×11	0.34	345	6.3×11	0.22	265	6.3×11	0.2	390	8×12	0.13	650
180	6.3×11	0.5	235	6.3×11	0.32	360	6.3×11	0.19	320	8×12	0.17	430	8×12	0.11	790
220	6.3×11	0.42	240	6.3×11	0.22	380	8×12	0.19	380	8×12	0.13	640	10×12	0.087	815
270	6.3×11	0.38	260	6.3×11	0.12	400	8×12	0.18	450	8×12	0.11	660	10×12	0.069	915
330	6.3×11	0.22	340	6.3×11	0.17	520	8×12	0.13	630	10×12	0.087	840	10×12	0.06	1250
390	6.3×11	0.21	355	6.3×11	0.15	535	8×12	0.1	650	10×12	0.08	1250	10×16	0.05	1320
470	8×12	0.19	400	8×12	0.13	640	8×12	0.087	840	10×16	0.069	1330	10×16	0.046	1450
560	8×12	0.16	530	8×12	0.1	700	10×12	0.08	910	10×16	0.06	1500	10×20	0.042	1630
680	10×12	0.13	630	10×12	0.087	850	10×12	0.069	1200	10×16	0.046	1610	10×20	0.031	1880
820	10×12	0.1	860	10×12	0.08	950	12.5×20	0.061	1340	10×16	0.042	1630	12.5×20	0.03	2100
1000	8×14	0.1	660	10×12	0.069	1000	10×16	0.046	1380	10×20	0.031	1920	12.5×20	0.027	2250
	10×16	0.08	880												
1200	10×16	0.069	1000	10×16	0.046	1380	10×20	0.042	1630	12.5×20	0.03	2100	13×20	0.024	2550
1500	10×16	0.046	1380	10×16	0.042	1660	10×20	0.031	1900	12.5×20	0.027	2250	12.5×25	0.02	2900
1800	10×20	0.049	1420	10×20	0.035	1900	12.5×20	0.028	2100	12.5×25	0.024	2680	16×25	0.017	2950
2200	10×20	0.042	1640	10×20	0.031	1950	12.5×20	0.027	2240	12.5×25	0.02	2900	16×25	0.017	3380
2700	10×20	0.031	1910	10×20	0.03	2200	12.5×20	0.024	2550	16×25	0.017	2980	18×30	0.015	3580
3300	12.5×20	0.035	1950	12.5×20	0.027	2250	12.5×25	0.02	2910	16×25	0.017	3200	18×30	0.013	4000
3900	13×20	0.027	2250	13×20	0.024	2700	13×25	0.017	3450	18×25	0.015	4050			
4700	12.5×25	0.024	2500	12.5×25	0.02	2850	16×25	0.017	3550	18×30	0.015	4200			