

◆ FEATURES

Load Life:105°C 8000-10000 hours.  
 Excellent endurance of high ripple current and high temperature, low ESR,high stability.  
 Used for LED and LED Driver.

◆ SPECIFICATIONS

Items	Characteristics		
	Category Temperature Range	-25°C~+105°C	
Rated Voltage Range	160V~450V DC		
Capacitance Tolerance (20°C/120Hz)	±20%		
Leakage Current (MAX)	I=0.03CV(After 2 minutes) I: Leakage Current(μA) C: Capacitance(μF) V: Rated Voltage(V)		
Dissipation Factor (20°C/120Hz)	Rated Voltage(V)	160-250	400-450
	tgδ	0.18	0.23
Endurance	After life test with rated ripple current for 8000 hours at 105°C, the capacitors shall meet the following requirement.		
	Capacitance Change	Within ± 20% of the initial value.	
	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)	160-250	400-450
	Impedance Ratio < Z (-25°C)/Z(20°C) > 120Hz	3	6

◆ STANDARD SIZE(105°C 100KHz)

Rated Voltage (V) Capacitance (μF)	160		200		250		400		450	
	Size(mm) D×L	Rated ripple current (mA <sub>rms</sub> )	Size(mm) D×L	Rated ripple current (mA <sub>rms</sub> )	Size(mm) D×L	Rated ripple current (mA <sub>rms</sub> )	Size(mm) D×L	Rated ripple current (mA <sub>rms</sub> )	Size(mm) D×L	Rated ripple current (mA <sub>rms</sub> )
1							6.3×12	55		
1.2							8×12	60	8×12	65
1.5							6.3×12	55		
1.8							8×9	55	8×12	70
2.2							6.3×12	65	8×12	75
2.7							8×12	75	8×12	80
3.3							8×12	80	8×16	85
3.9							8×12	81	8×16	85
4.7	6.3×12	70	6.3×12	83	8×12	98	8×9	83	8×12	85
5.6	8×12	80	8×12	85	8×14	115	8×12	85	8×16	96
6.8							8×16	100	8×16	95
8.2							8×12	98	8×12	105
10	8×12	105	8×14	120	8×12	115	8×16	108	10×16	115
15	8×16	208	8×16	218	8×12	110	8×16	140	10×16	146
22	8×16	220	8×16	223	8×16	115	10×16	150	10×20	160
33	10×16	220	10×16	255	8×12	110	10×16	220	10×20	210
47							10×16	230	10×20	220
68							10×20	240	10×20	240
82							10×20	260	12×20	290
100							12.5×25	370	12.5×25	430
							16×20	410	16×20	450
							16×20	415	16×20	450
							12.5×25	540	12.5×25	500
							12×20	580	16×25	530
							16×30	625	16×30	630
							18×20	640	18×20	680
							18×25	765	18×25	770
							16×20	700	18×30	810
							12.5×25	710		
							16×20	730	16×25	750
							16×30	840	18×40	948

◆ MULTIPLIER FOR RIPPLE CURRENT

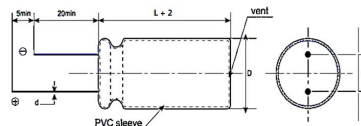
1)Frequency Coefficient

Frequency	50	120	1K	10K	100K
Coefficient	0.50	0.60	0.70	0.80	1.00

2)Temperature Coefficient

Temp(°C)	105°C	85°C	65°C
Coefficient	1.0	1.5	2.0

◆ 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