

GRP

STC

◆ 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=0.04CV+100μA(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	0.15	0.25
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

◆ 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

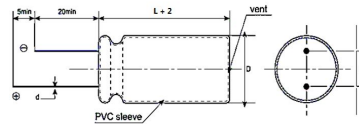
◆ FEATURES

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

◆ STANDARD SIZE(Rated ripple current: 105°C 100KHz)

Rated Voltage (V) Capacitance (μF)	160		200		250		400		450	
	Size(mm) D×L	Rated ripple current (mA rms)	Size(mm) D×L	Rated ripple current (mA rms)	Size(mm) D×L	Rated ripple current (mA rms)	Size(mm) D×L	Rated ripple current (mA rms)	Size(mm) D×L	Rated ripple current (mA rms)
1							8×12	70	8×12	76
1.2							8×12	75	8×12	76
1.5							8×12	78	8×12	77
1.8							8×12	95	8×12	88
2.2			8×12	65	8×12	70	8×14	105	8×14	114
2.7			8×12	70	8×12	75	8×14	108	8×14	118
3.3			8×12	85	8×12	80	8×16	110	8×16	120
3.9			8×12	90	8×12	90	8×16	118	8×16	135
4.7	8×12	85	8×12	95	8×12	95	8×16	130	8×16	150
5.6	8×12	96	8×12	110	8×14	110	10×16	150	10×16	190
6.8	8×12	110	8×14	120	8×14	120	10×16	165	10×16	210
8.2	8×12	125	8×14	140	8×16	140	10×20	240	10×20	235
10	8×16	195	8×16	170	8×16	170	10×20	270	10×20	240
15	10×16	240	10×16	210	10×16	210	12×20	330	12×20	348
22	10×20	320	10×20	375	10×20	375	12.5×25	445	12.5×25	455
33	12×20	390	12×20	420	12×20	420	16×25	540	16×25	555
47	12.5×25	470	12.5×25	520	12.5×25	520	18×25	680	18×25	680
68	12.5×25	600	12.5×25	670	16×25	670	18×30	810	18×30	820
82	16×25	690	16×25	750	16×25	750	22×25	830	22×25	840
100	16×25	750	18×25	790	18×25	790	22×35	880	22×35	940

◆ 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