

MP

High voltage · Long life Series

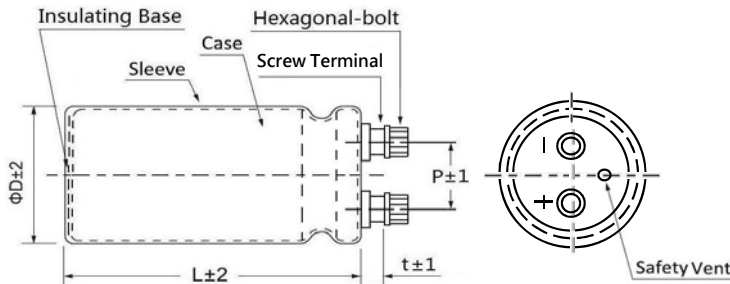
- Endurance: 85°C 5000hours
- Recommended Applications : UPS · service system · press working equipment · charging equipment · inverter · converter
- Corresponding product to RoHS



■ SPECIFICATIONS

Item	Characteristics			
Category Temperature Range	-40 ~ +85°C			
Rated Voltage Range	350 ~ 450VDC			
Capacitance Tolerance	± 20 % (120Hz, 20°C)			
Leakage Current (20°C)	I ≤ 0.02CV or 5mA whichever is greater. (After rated voltage applied for 5 minutes) I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)			
Dissipation Factor(MAX) (tan δ) (120Hz, 20°C)	WV	350	400	450
	tan δ	0.15	0.15	0.15
Low Temperature Stability Impedance Ratio (MAX)	Rated voltage(V)			
	Rated voltage(V)	350~450		
Endurance	After applying rated voltage with ripple current for 5000 hours at 85°C, 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		
Shelf Life	After placed at 85°C without voltage applied for 1000 hours, the capacitor shall meet the same requirements as Endurance.			

■ Dimensions [mm]



ΦD	P	t	Hexagonal-bolt
51	22.2	6.3	M5 × 0.8 × 10
64	28.5	6.3	M5 × 0.8 × 10
77	31.8	5.8	M5 × 0.8 × 10
90	31.6	5.8	M6 × 1.0 × 10

■ Multiplier for Ripple Current

Freq. (Hz)	60	120	300	1K	≥ 10K
coefficient	0.70	1.00	1.10	1.30	1.40

Temperature	40	60	85
coefficient	1.89	1.67	1.00

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	tan δ	Ripple current (A/rms85°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	tan δ	Ripple current (A/rms85°C) (120Hz)	
350 (400)	1200	51x75	0.15	5.21	400 (450)	4700	64x155	0.15	15.72	
	1500	51x75	0.15	5.82			77x115	0.15	14.10	
	1800	51x96	0.15	7.1		5600	64x195	0.15	19.06	
	2200	51x96	0.15	7.85			77x130	0.15	16.23	
	2700	51x130	0.15	9.97		6800	77x155	0.15	19.33	
	3300	51x130	0.15	11.02		8200	90x157	0.15	22.64	
	3900	64x115	0.15	12.5		10000	90x157	0.15	25.00	
	4700	64x130	0.15	14.53		12000	90x196	0.15	30.22	
	5600	64x155	0.15	17.16		15000	90x236	0.15	36.74	
			77x115	0.15		15.39	450 (500)	1000	51x75	0.15
	6800	64x195	0.15	21	1200	51x96		0.15	6.1	
			77x130	0.15	17.88	1500		51x115	0.15	7.4
			8200	77x155	0.15	21.22		1800	51x130	0.15
	10000	90x157	0.15	25	2200	64x96		0.15	8.93	
	12000	90x157	0.15	27.39	2700	64x115		0.15	10.69	
15000	90x196	0.15	33.78	3300	64x130	0.15		12.48		
18000	90x236	0.15	40.25	3900	64x155	0.15		14.68		
400 (450)	1000	51x75	0.15		4.76	77x115		0.15	13.56	
		1200	51x75	0.15	5.21	4700		64x195	0.15	17.91
		1500	51x96	0.15	6.48		77x130	0.15	15.69	
		1800	51x96	0.15	7.10	5600	77x155	0.15	18.51	
		2200	51x130	0.15	8.99	6800	90x157	0.15	21.21	
		2700	64x96	0.15	9.64	8200	90x157	0.15	23.29	
		3300	64x115	0.15	11.53	10000	90x196	0.15	28.37	
		3900	64x130	0.15	13.23	12000	90x236	0.15	33.80	