

Jamicon Series : MP

Teapo Series : MP High voltage · Long life Series

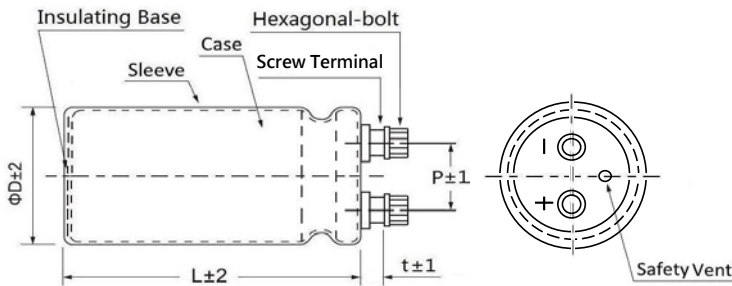
- Endurance:85°C 5000hours
- Recommended Applications :UPS · service system · press working equipment · charging equipment · inverter · converter
- Corresponding product to RoHS



**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		
	Z-25°C / Z+20°C	8		
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		
	Leakage current	Not more than the specified value		
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 85°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to item 4.1 of JIS C 5101-4.			

**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

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	$\tan \delta$	Ripple current (A/rms85°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	$\tan \delta$	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	64x130	0.15		14.53	12000	90x196	0.15	30.22
			64x155	0.15		17.16	15000	90x236	0.15	36.74
	5600	77x115	77x115	0.15		15.39	450 (500)	1000	51x75	0.15
			64x195	0.15	21	1200		51x96	0.15	6.1
	6800	77x130	77x130	0.15	17.88	1500		51x115	0.15	7.4
			77x155	0.15	21.22	1800		51x130	0.15	8.54
	8200	90x157	0.15	25	2200	64x96		0.15	8.93	
	10000	90x157	0.15	27.39	2700	64x115		0.15	10.69	
	12000	90x196	0.15	33.78	3300	64x130		0.15	12.48	
15000	90x236	0.15	40.25	3900	64x155	0.15		14.68		
18000	90x236	0.15	40.25		77x115	0.15		13.56		
400 (450)	1000	51x75	0.15	4.76	4700	64x195		0.15	17.91	
	1200	51x75	0.15	5.21		77x130		0.15	15.69	
	1500	51x96	0.15	6.48	5600	77x155		0.15	18.51	
	1800	51x96	0.15	7.10	6800	90x157		0.15	21.21	
	2200	51x130	0.15	8.99	8200	90x157		0.15	23.29	
	2700	64x96	0.15	9.64	10000	90x196		0.15	28.37	
	3300	64x115	0.15	11.53	12000	90x236		0.15	33.80	
	3900	64x130	0.15	13.23						