

Jamicon Series : XP

Teapo Series : XP High voltage · Long life Series

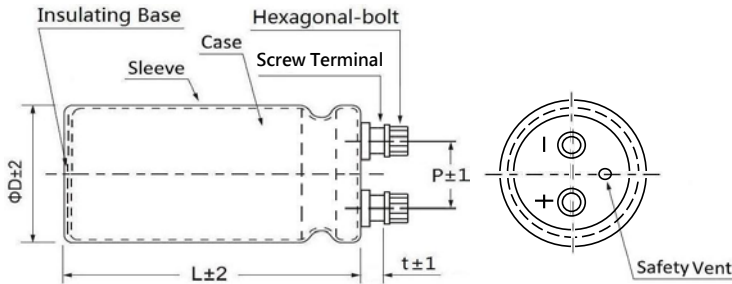


- Endurance: 105°C 5000hours
- Recommended Applications :UPS · service system · press working equipment · charging equipment · inverter · converter
- Corresponding product to RoHS

■ SPECIFICATIONS

Item	Characteristics					
Category Temperature Range	-40 ~ +105°C					
Rated Voltage Range	200 ~ 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	200	250	350	400	450
	tan δ	0.15	0.15	0.15	0.15	0.15
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz					
	Rated voltage(V)	200~450				
	Z-25°C / Z+20°C	8				
Endurance	After applying rated voltage with ripple current for 5000 hours at 105°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 105°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.					

■ 尺寸图



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

■ 纹波电流频率修正系数

Freq. (Hz)	60(50)	120	300	1K	≥ 10K
coefficient	0.70	1.00	1.10	1.30	1.40

Temperature	40	60	85	105
coefficient	2.44	2.16	2.00	1.00

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (A/rms105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (A/rms105°C) (120Hz)
200 (250)	2200	51x80	0.20	2.92	400 (450)	1200	51x96	0.15	4.14
	3300	51x100	0.20	3.94		1500	51x115	0.15	5.02
	4700	64x100	0.20	5.13		1800	51x130	0.15	5.81
	6800	64x121	0.20	6.71		2200	51x130	0.15	6.43
	10000	77x121	0.20	8.31			64x96	0.15	6.22
	15000	77x144	0.20	10.98		2700	64x115	0.15	7.45
	22000	90x145	0.20	11.40		3300	64x130	0.15	8.69
	33000	90x236	0.20	17.34		3900	64x155	0.15	10.23
250 (300)	1500	51x80	0.20	2.41			77x115	0.15	9.18
	2200	51x100	0.20	3.21		4700	64x195	0.15	12.47
	3300	64x100	0.20	4.47			77x130	0.15	10.62
	4700	64x121	0.20	5.80		5600	64x195	0.15	13.61
	6800	77x121	0.20	7.15			77x155	0.15	12.53
	10000	90x145	0.20	9.36		6800	90x157	0.15	14.73
	15000	90x171	0.20	12.36		8200	90x157	0.15	16.17
	22000	90x236	0.20	17.30		10000	90x196	0.15	19.70
350 (400)	1000	51x75	0.15	3.06	12000	90x236	0.15	23.48	
	1200	51x75	0.15	3.35	450 (500)	1000	51x96	0.15	4.25
	1500	51x96	0.15	4.17		1200	51x115	0.15	5.05
	1800	51x96	0.15	4.57		1500	51x130	0.15	5.97
	2200	51x130	0.15	5.78		1800	64x96	0.15	6.20
	2700	64x96	0.15	6.00		2200	64x115	0.15	7.41
	3300	64x115	0.15	7.18		2700	64x130	0.15	8.67
	3900	64x130	0.15	8.24			77x115	0.15	8.69
	4700	64x155	0.15	9.79		3300	64x155	0.15	10.37
		77x115	0.15	8.95			77x130	0.15	10.14
	5600	64x196	0.15	11.87		3900	64x195	0.15	12.53
		77x130	0.15	10.30		4700	77x155	0.15	13.07
	6800	77x130	0.15	12.27		5600	77x195	0.15	15.82
	8200	90x157	0.15	13.86			90x157	0.15	14.89
	10000	90x157	0.15	15.31		6800	90x196	0.15	18.10
	12000	90x196	0.15	18.50		8200	90x196	0.15	19.88
15000	90x236	0.15	22.50	10000		90x236	0.15	23.88	
400 (450)	1000	51x75	0.15	3.40					