

Jamicon Series : EP

Teapo Series : EP High voltage · Long life Series

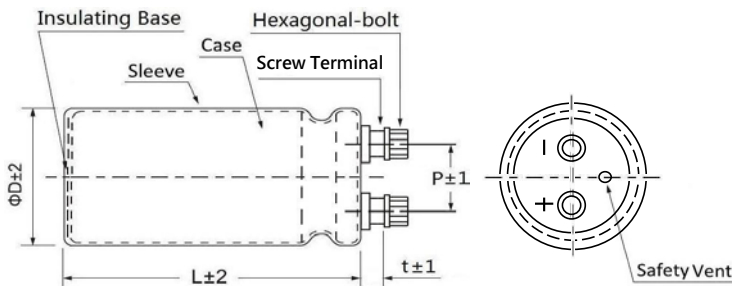
- Endurance:105°C 10000hours
- Recommended Applications :UPS · service system · press working equipment · charging equipment · inverter · converter
- Corresponding product to RoHS



**■ SPECIFICATIONS**

Item	Characteristics								
Category Temperature Range	-40 ~ +105°C								
Rated Voltage Range	350 ~ 450VDC								
Rated Capacitance Range	1000 ~ 15000 µF								
Capacitance Tolerance	± 20 % (120Hz , 20°C)								
Leakage Current (20°C)	$I \leq 0.02CV$ 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)	<table border="1"> <tr> <td>WV</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>tan δ</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> </tr> </table>	WV	350	400	450	tan δ	0.15	0.15	0.15
	WV	350	400	450					
tan δ	0.15	0.15	0.15						
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz								
	<table border="1"> <tr> <td>Rated voltage(V)</td> <td>350~450</td> </tr> <tr> <td>Z-25°C / Z+20°C</td> <td>8</td> </tr> </table>	Rated voltage(V)	350~450	Z-25°C / Z+20°C	8				
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Z-25°C / Z+20°C	8								
Endurance	After applying rated voltage with ripple current for 10000 hours at 105°C, the capacitors shall meet the following requirements.								
	<table border="1"> <tr> <td>Capacitance change</td> <td>Within ± 20% of initial value</td> </tr> <tr> <td>D.F. (tan δ)</td> <td>Not more than 200% of specified value</td> </tr> <tr> <td>Leakage current</td> <td>Not more than the specified value</td> </tr> </table>	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		
	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.								

**■ 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(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 ( $\mu$ F)	Case size $\Phi$ DxL(mm)	$\tan \delta$	Ripple current (A/rms105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	$\tan \delta$	Ripple current (A/rms105°C) (120Hz)
350 (400)	1000	51x75	0.15	5.6	400 (450)	3900	77x115	0.15	15.3
	1200	51x75	0.15	6.1		4700	64x195	0.15	19.8
	1500	51x96	0.15	7.6			77x130	0.15	17.7
	1800	51x96	0.15	8.3		5600	64x195	0.15	21.6
	2200	51x130	0.15	10.5			77x155	0.15	20.9
	2700	64x96	0.15	10.9		6800	90x157	0.15	23.7
	3300	64x115	0.15	13.1		8200	90x157	0.15	26.1
	3900	64x130	0.15	15.0		10000	90x196	0.15	31.8
	4700	64x155	0.15	17.8		12000	90x236	0.15	37.8
		77x115	0.15	16.8		450 (500)	1000	51x96	0.15
	5600	64x195	0.15	21.6	1200		51x115	0.15	7.4
		77x130	0.15	19.3	1500		51x130	0.15	8.7
	6800	77x144	0.15	22.3	1800		64x115	0.15	9.7
	8200	90x157	0.15	26.1	2200		64x115	0.15	10.7
	10000	90x157	0.15	28.8	2700		64x130	0.15	12.5
12000	90x196	0.15	34.8	77x115			0.15	12.7	
15000	90x236	0.15	42.3	3300	64x155		0.15	14.9	
400 (450)	1000	51x75	0.15		5.6		77x130	0.15	14.8
	1200	51x96	0.15	6.8	3900		64x195	0.15	18
	1500	51x115	0.15	8.2	4700		77x155	0.15	19.1
	1800	51x130	0.15	9.5	5600		77x195	0.15	23.20
	2200	64x96	0.15	9.7			90x157	0.15	21.50
	2700	64x115	0.15	11.8	6800		90x196	0.15	26.2
	3300	64x130	0.15	13.8	8200		90x196	0.15	28.8
	3900	64x155	0.15	16.2	10000	90x236	0.15	34.5	