

Jamicon Series : QP

Teapo Series : QP

Standard · High Ripple Series

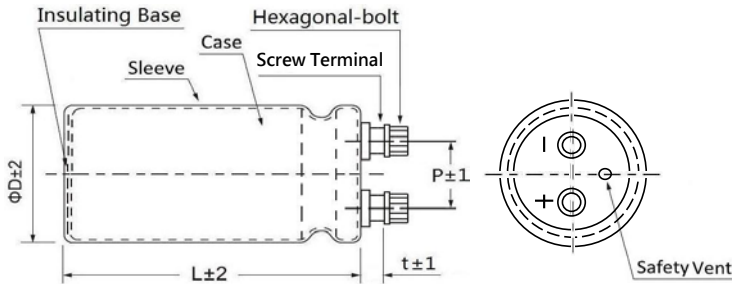


- Endurance:105°C 2000hours
- Recommended Applications :UPS · service system · press working equipment · charging equipment · inverter · converter
- Corresponding product to RoHS

■ SPECIFICATIONS

Item	Characteristics					
Category Temperature Range	-25~ +105°C					
Rated Voltage Range	160 ~ 500VDC					
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	160	200	250	350	400~500
	tan δ	0.15	0.15	0.15	0.15	0.15
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz					
	Rated voltage(V)	160~500				
	Z-25°C / Z+20°C	8				
Endurance	After applying rated voltage with ripple current for 2000 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.					

■ 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	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)	
160 (200)	4700	51x80	0.15	6.81	350 (400)	8200	77x155	0.15	18.11	
	5600	51x96	0.15	8.05		10000	90x157	0.15	21.94	
	6800	64x96	0.15	8.80	400 (450)	1000	51x75	0.15	4.08	
	8200	64x96	0.15	9.66		1200	51x96	0.15	4.97	
	10000	77x96	0.15	11.34		1500	51x96	0.15	5.56	
	15000	77x130	0.15	15.81		2200	64x96	0.15	7.65	
	22000	90x131	0.15	19.87		3300	64x130	0.15	10.70	
200 (250)	3300	51x80	0.15	5.23		3900	64x155	0.15	12.59	
	4700	51x96	0.15	6.76		4700	77x130	0.15	14.16	
	5600	64x96	0.15	7.99		5600	77x155	0.15	16.70	
	6800	64x115	0.15	9.52		6800	90x157	0.15	16.83	
	8200	77x66	0.15	10.27		8200	90x157	0.15	18.48	
	10000	77x115	0.15	12.24	10000	90x196	0.15	22.52		
	15000	90x131	0.15	16.47	450 (500)	1000	51x96	0.15	4.54	
250 (300)	2200	51x75	0.15	4.53		1200	51x115	0.15	5.39	
	3300	51x96	0.15	6.18		1500	51x115	0.15	6.02	
	3900	64x96	0.15	6.69		2200	64x115	0.15	8.28	
	4700	64x115	0.15	7.94		3300	64x130	0.15	10.70	
	5600	77x96	0.15	8.91		3900	77x121	0.15	12.50	
	6800	77x115	0.15	10.60		4700	77x144	0.15	14.81	
	8200	77x130	0.15	12.27		5600	90x145	0.15	15.49	
	10000	77x155	0.15	14.65		6800	90x196	0.15	19.50	
	15000	90x157	0.15	17.81		8200	90x196	0.15	21.41	
	350 (400)	1000	51x75	0.15	4.08	500 (550)	820	51x115	0.20	3.86
1200		51x75	0.15	4.47	1000		51x130	0.20	4.50	
1500		51x96	0.15	5.56			64x96	0.2	4.37	
1800		51x96	0.15	6.09	1200		64x115	0.20	5.18	
2200		51x115	0.15	7.29	1500		64x130	0.20	6.12	
2700		64x96	0.15	8.48			77x96	0.2	5.66	
3300		64x115	0.15	10.13	1800		77x115	0.20	6.69	
3900		64x115	0.15	11.02	2700		77x155	0.20	9.33	
4700		64x130	0.15	12.77	1900		90x157	0.20	11.70	
5600		77x130	0.15	15.46	6800		90x236	0.20	18.54	
6800		77x130	0.15	17.03						