

Jamicon Series : KP

Teapo Series : KP Standard Series

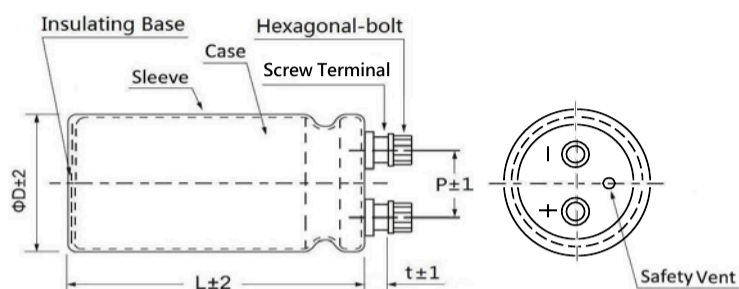
- Endurance:85°C 2000hours
- Recommended Applications :UPS、service system、press working equipment、charging equipment、inverter、converter
- Corresponding product to RoHS



SPECIFICATIONS

Item	Characteristics										
Category Temperature Range	-40 ~ +85°C	-25 ~ +85°C									
Rated Voltage Range	6.3~ 100VDC	160~450VDC									
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	6.3~10	16	25	35	50	63	80	100	160~250	
	tan δ	φ 35	0.75	0.60	0.40	0.30	0.25	0.20	0.20	0.15	0.15
		φ 51	1.00	0.70	0.50	0.50	0.30	0.25	0.20	0.20	0.15
		φ 64	1.30	0.80	0.70	0.60	0.50	0.30	0.25	0.25	0.20
		φ 77	1.50	1.00	0.80	0.70	0.60	0.40	0.30	0.25	0.20
φ 90	1.50	1.00	0.80	0.70	0.60	0.40	0.30	0.25	0.20		
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz										
	Rated voltage(V)	10~100				160~450					
	Z-25°C / Z+20°C	-				8					
	Z-40°C / Z+20°C	12				-					
Endurance	After applying rated voltage with ripple current for 2000 hours at 85°C, the capacitors shall meet the following requirements.										
	Capacitance change	Within ± 15% of initial value									
	D.F. (tan δ)	Not more than 175% of specified value									
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 h 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
35	12.7	6.3	M5 × 0.8 × 10
51	21.8	6.3	M5 × 0.8 × 10
64	28.2	6.3	M5 × 0.8 × 10
77	31.4	5.8	M5 × 0.8 × 10
90	31.4	5.8	M5 × 0.8 × 10

Multiplier for Ripple Current

Freq. (Hz)	60	120	1K	10K	100K
W.V	coefficient				
6.3~35V	0.90	1.00	1.05	1.10	1.10

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■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	R.C (A/rms,85°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	
6.3 (8)	47000	35x50	0.75	4.94	35(44)	10000	35x50	0.30	
	56000	35x60	0.75	4.96		12000	35x50	0.30	
	68000	35x60	0.75	5.47		15000	35x60	0.30	
	82000	35x80	0.75	6.82		18000	35x60	0.30	
	100000	35x80	0.75	7.53		22000	35x80	0.30	
	120000	35x121	0.75	9.15		27000	35x80	0.30	
	150000	51x80	1.00	9.51		33000	35x121	0.30	
	180000	51x80	1.00	10.42		39000	35x121	0.30	
	220000	51x100	1.00	12.39		47000	51x80	0.50	
	270000	64x100	1.30	13.68		56000	51x80	0.50	
	330000	64x100	1.30	15.12		68000	51x100	0.50	
	390000	64x121	1.30	16.97		82000	51x100	0.50	
	470000	64x121	1.30	18.63		100000	64x100	0.60	
	560000	77x121	1.50	18.80		120000	64x121	0.60	
680000	77x121	1.50	20.71	150000	64x144	0.60			
10 (13)	33000	35x50	0.75	4.14	180000	64x144	0.60		
	39000	35x50	0.75	4.50	220000	77x144	0.70		
	47000	35x60	0.75	5.35	50(63)	6800	35x50	0.25	
	56000	35x80	0.75	6.63		8200	35x50	0.25	
	68000	35x80	0.75	7.31		10000	35x60	0.25	
	82000	35x80	0.75	8.02		12000	35x60	0.25	
	100000	35x121	0.75	9.21		15000	35x80	0.25	
	120000	51x80	1.00	9.23		18000	35x80	0.25	
	150000	51x80	1.00	10.32		22000	35x121	0.25	
	180000	51x90	1.00	11.50		27000	35x121	0.25	
	220000	51x121	1.00	13.66		33000	51x80	0.30	
	270000	51x121	1.00	15.13		39000	51x80	0.30	
	330000	64x121	1.30	17.25		47000	51x100	0.30	
	390000	64x121	1.30	18.75		56000	51x100	0.30	
470000	77x121	1.50	19.25	68000		64x100	0.50		
560000	77x121	1.50	21.01	82000		64x100	0.50		
16 (20)	22000	35x50	0.60	4.16	100000	64x144	0.50		
	33000	35x60	0.60	5.51	150000	77x144	0.60		
	39000	35x80	0.60	6.80	63 (79)	5600	35x50	0.20	
	47000	35x80	0.60	7.47		6800	35x50	0.20	
	56000	35x100	0.60	9.03		8200	35x60	0.20	
	68000	35x121	0.60	9.88		10000	35x80	0.20	
	82000	35x121	0.60	10.85		12000	35x80	0.20	
	100000	51x80	0.70	10.86		15000	35x100	0.20	
	120000	51x90	0.70	11.74		18000	35x121	0.20	
	150000	51x121	0.70	12.48		22000	51x80	0.25	
	180000	51x121	0.70	13.67		27000	51x80	0.25	
	220000	64x100	0.80	14.75		33000	51x100	0.25	
	270000	64x115	0.80	17.37		39000	51x121	0.25	
	330000	77x121	1.00	18.19		47000	64x100	0.30	
390000	77x121	1.00	19.78	56000		64x100	0.30		
25(32)	18000	35x50	0.40	3.35		68000	64x144	0.30	
	22000	35x60	0.40	4.01	100000	77x144	0.40		
	27000	35x80	0.40	5.04	80 (100)	4700	35x50	0.20	
	33000	35x80	0.40	5.58		5600	35x60	0.20	
	39000	35x80	0.40	6.06		6800	35x80	0.20	
	47000	35x121	0.40	7.54		8200	35x80	0.20	
	56000	35x121	0.40	8.23		10000	35x100	0.20	
	68000	51x100	0.50	9.13		12000	35x121	0.20	
	82000	51x100	0.50	10.03		15000	51x80	0.20	
	100000	51x121	0.50	11.27		18000	51x80	0.20	
	120000	51x121	0.50	12.33		22000	51x100	0.20	
	150000	64x100	0.70	13.60					

