

KJ series

Features

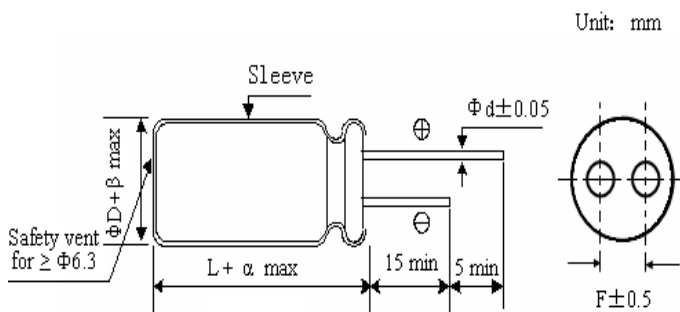
- ◆ High ripple current , Long life 3000 hours at 105°C .
- ◆ Ideally suited for switching power supplies .
- ◆ RoHS Compliant .



Specifications

Item	Performance Characteristics						
Temperature Range	-25~+105°C						
Rated Voltage Range	160~450Vdc						
Capacitance Range	2.2~330μF						
Capacitance Tolerance	±20% (120Hz, +20°C)						
Leakage Current (+20°C,max.)	I≤0.02CV+30 (μA) After 2 minutes, whichever is greater measured with rated working voltage applied						
Dissipation Factor (tgδ) 120Hz, +20°C	Working Voltage(Vdc)	160	200	250	350	400	450
	D.F.(%)max.	15	15	15	20	20	20
For capacitance>1000μF , Add 2% per another 1000μF (120Hz, +20°C)							
Low Temperature Characteristics(120Hz)	Impedance ratio max.						
	Working Voltage(Vdc)	160	200	250	350	400	450
Z-25°C/ Z+20°C							
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 3000 hours at 105°C						
	Capacitance Change	≤±20% of the initial value					
	D.F.(tgδ)	≤200% of the initial specified value					
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C.						
	Capacitance Change	≤±20% of the initial value					
	D.F.(tgδ)	≤200% of the initial specified value					
Others	JISC-5101(IEC 60384)						

Diagram of Dimensions



Frequency Multipliers

μF \ Hz	50/60	120	300	1K	≥10K
<220	0.80	1.00	1.25	1.40	1.60
≥220	0.85	1.00	1.10	1.13	1.15

ΦD	8	10	13	16	18
F	3.5	5.0	5.0	7.5	7.5
Φd	0.5	0.6	0.6	0.8	0.8
α	(L < 20) + 1.5		(L ≥ 20) + 2.0		
β	(D < 20) + 0.5		(D ≥ 20) + 1.0		

KJ series**Standard Ratings**

Voltage	160		200		250	
	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
3.3					8×12	46
4.7	8×12	44	8×12	52	8×12	55
6.8	10×13	68	10×13	70	10×13	70
10	10×17	90	10×17	100	10×17	110
22	10×17	140	10×20	160	10×20	160
33	10×20	200	10×20	215	13×20	245
47	13×20	290	13×20	310	13×25	340
68	13×25	380	13×25	420	16×20	460
82	13×25	420	16×20	480	16×25	490
100	16×20	520	16×25	560	16×30	580
150	18×25	750	18×25	780	18×35	800
220	18×30	870	18×30	920		
330	18×40	1000				

Voltage	350		400		450	
	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
2.2			8×12	42	8×12	44
3.3	8×12	48	8×12	52	8×12	55
4.7	10×13	58	10×13	60	10×13	62
6.8	10×13	80	10×13	82	10×17	82
10	10×17	110	10×17	110	10×20	130
22	13×20	180	13×20	190	13×25	190
33	16×20	260	16×20	280	16×25	290
47	16×25	364	16×25	364	16×30	380
68	18×25	470	18×25	472	18×30	472
82	18×30	510	18×30	536	18×35	550
100	18×30	590	18×35	610	18×40	612
120	18×35	691	18×40	709		
150	18×40	820				

Max Allowable Ripple Current (mA,rms) at 105°C 120Hz,Case Size ΦD×L(mm).

Above size is the standard size for our product. If you need special size please contact our sales offices.