



RESISTOR & CAPACITOR

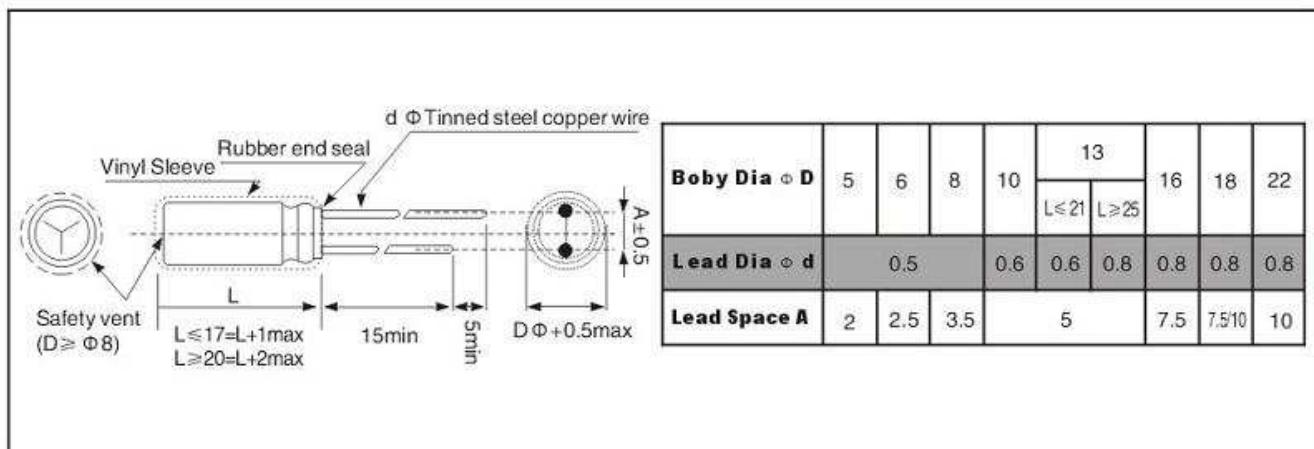
MK Series HIGH VOLTAGE STANDARD SIZE, 85°C CAPACITOR

- Endurance with ripple current: 85°C 2000 hours
- For input filtering of power supplies
- The capacitors are designed medium-and-high pressure standard products

SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	-25 to + 85°C							
Rated Voltage Range	160 to 450V dc							
Capacitance Tolerance	$\pm 20\%$ (M) (at 25°C, 120Hz)							
Leakage Current	I=0.001CV + 3 μ A, whichever is greater. (at 25°C after 2minutes) Where, I:Max. Leakage current(μ A). C:Nominal capacitance(μ F).V:Rated voltage(V)	Rated voltage (Vdc)	160V	200V	250V	350V	400V	450V
Dissipation Factor (tan δ)		Tan δ (Max.)	0.15	0.15	0.15	0.20	0.20	0.20
Load Life	The following specifications shall be satisfied when the capacitors are restored to 25°C after subjected to DC voltage with the rated ripple current is applied for 2000 hours at 85°C							
	Capacitance change	$\leq \pm 20\%$ of the initial value						
	DF(tan δ)	$\leq 200\%$ of the initial specified value						
	Leakage current	\leq The initial specified value						
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 25°C after exposing them for 500 hours at 85°C without voltage applied							
	Rated voltage	160 to 450 Vdc						
	Capacitance change	$\leq \pm 20\%$ of the initial value						
	DF(tan δ)	$\leq 200\%$ of the initial specified value						
	Leakage current	\leq The initial specified value						

Diagram: (Unit:mm)





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STANDARD RATINGS

μF	Vdc	160		200		250		350		400		450	
0.47		5*11	12	5*11	12	5*11	12	6.3*11	15	6.3*11	15	6.3*11	15
1.0		5*11	17	6.3*11	17	6.3*11	17	6.3*11	18	8*12	18	8*12	22
2.2		6.3*11	26	6.3*11	26	6.3*11 8*12	26 28	8*12 10*12.5	26 28	10*12.5	29	10*12.5	29
3.3		6.3*11	36	6.3*11	36	8*12	36	10*12.5	40	10*12.5 10*17	32 40	10*17 10*20	35 45
4.7		6.3*11 8*12	34 40	8*12	45	10*12.5	45	10*12.5 10*17	39 45	10*17	45	10*20	50
10		8*12 10*12.5	58 65	10*12.5 10*16	65 70	10*17	70	10*20	70	10*20 13*20	70 75	13*20 13*25	70 75
22		10*17	110	10*20	110	10*20	115	13*21	120	13*21 16*21	120 125	16*25 16*32	120 130
33		10*20	150	13*20	160	13*20 13*25	140 180	16*25	190	16*20 16*25	180 190	16*36	210
47		13*20	180	13*20 13*25	160 190	13*25	210	16*32	220	16*25 16*32	220	16*36	230
68		13*20	230	13*25	230	16*25	270	16*36	290	18*25 18*32	290 310	18*32	330
100		13*25 16*25	300 350	13*26 16*25	330 380	16*32	360	18*36	360	18*36	360		
150		16*32	435	16*36 18*36	440 450	16*36	460	22*40	480				
180		16*36	470	18*36	480	18*40	490						
220		16*36	500	18*36	515	18*40	525						
330		18*32	600	18*36	700								
470		18*36	900	18*42 22*40	1,050 1,150								

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Rated ripple current (mA rms)
at 85°C, 120Hz

Case size Φ D x L (mm)