

MKX Series

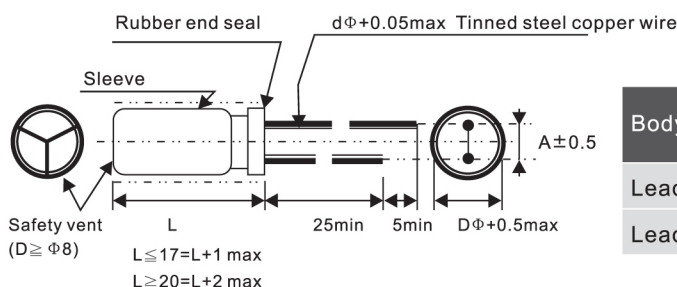
• 85°C, 2000 hours standard series (紋波疊加)



• SPECIFICATIONS

Items	Characteristics						
Category							
Temperature Range	-40 to +85°C						
Rated Voltage Range	160v to 450Vdc						
Capacitance Tolerance	± 20% (M) (at 20°C ,120Hz)						
Leakage Current	I=0.01CV + 3 μA , whichever is greater. Where, I :Max. Leakage current (μA). C : Nominal capacitance (μF) .V :Rated voltage(V) (at 20°C , after 2 minutes)						
Dissipation Factor (tan δ)	Rated voltage (Vdc)	160V	200V	250V	350V	400V	450V
	tan δ (Max.)	0.15	0.15	0.15	0.20	0.20	0.20
Low Temperature Characteristics	Impedance ration max at 120Hz						
	Working voltage	160v	200v	250v	350v	400v	450v
	Z-25°C/ Z+20°C	3	3	3	5	15	15
Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for 2000 hours at 85°C						
	Capacitance change	≤ ±20% of the initial value					
	DF (tan δ)	≤200 % of the initial specified value					
	Leakage current	≤The initial specified value					
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 85°C without voltage applied.						
	Capacitance change	≤ ±20% of the initial value					
	DF (tan δ)	≤200 % of the initial specified value					
	Leakage current	≤The initial specified value					
Ripple Current Multiplier	Temperature coefficient						
	Temperature(°C)	~55	60	70	85		
	Factor	1.65	1.5	1.3	1		
	Frequency coefficient						
	cap	freq	60	120	1k	10k	100k
	~100		0.70	1.00	1.40	1.50	1.50
100up		0.75	1.00	1.30	1.35	1.35	

• Diagram: (Unit: mm)



Body Dia ΦD	5	6	8	10	13		16	18	22
					L≤21	L≥25			
Lead Dia Φd	0.5			0.6	0.6	0.8	0.8	0.8	0.8
Lead Space A	2.0	2.5	3.5	5		7.5		7.5/10	10

◆ MKX series 85°C中高壓標準品

● STANDARD RATING

Vdc μF	160		200		250		350		400		450	
	D*L	Ripple	D*L	Ripple	D*L	Ripple	D*L	Ripple	D*L	Ripple	D*L	Ripple
0.47	5*11	12	5*11	12	5*11	12	6.3*11	18	6.3*11	15	6.3*11	18
1	5*11	17	6.3*11	17	6.3*11	17	6.3*11	27	6.3*11	22	8*12	25
2.2	6.3*11	26	6.3*11	26	6.3*11 8*12	26 28	8*12	49	8*12	33	8*12	45
3.3	6.3*11	36	6.3*11	36	8*12	36	8*12	60	8*12	40	10*13	55
4.7	6.3*11 8*12	34 40	8*12	45	8*12	45	8*12	75	8*12	56	10*13	62
10	8*12	65	10*13	70	10*17	70	10*17	90	10*16	120	10*20	130
22	10*17	110	10*20	110	10*20	115	13*21	210	13*21	210	13*25	250
33	10*20	150	13*20	160	13*20	180	13*21	290	13*21	320	16*25	310
47	13*20	180	13*20	190	13*25	270	13*25	320	16*25	410	16*32	380
68	13*20	230	13*25	280	16*25	370	16*25	390	16*25	450	18*32	490
100	13*25 16*25	300 350	16*25	380	16*32	460	18*36	510	18*33	530		
150	16*32	435	16*36 18*36	500 550	16*36	560	22*30	630				
180	16*36	470	18*36	580	18*40	590						
220	16*36	500	18*36	615	18*40	655						
330	18*32	600	18*36	700								
470	18*36	900	18*42 22*35	1050 1150								

Maximum Ripple Current: Unit mA.rms,85°C 120Hz. Size: D φ x L (mm)

Chip Type SMD
Miniature Type
General Purpose
High Frequency Low Impedance
High Voltage High Reliability
Non-polar Type
Large Size Snap-in
Large Size Screw
X Metallized Polypropylene Fime Capacitors