

KL Series

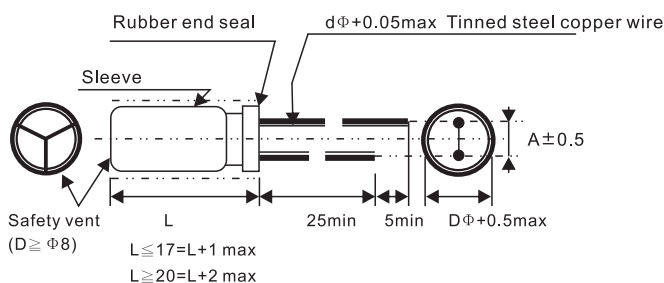
- 105°C, 2000~5000 hours, suitable for switching power, UPS, Ballast (紋波疊加)
- 採用了新型高穩定、高導電率電解液、高信賴技術



• SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	-40 to +105°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	0.22	
Low Temperature Characteristics	Impedance ration max at 120Hz							
	Working voltage	160v	200v	250v	350v	400v	450v	
	Z-25°C/ Z+20°C	2	2	3	5	5	6	
Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for the specified at 105°C							
	Capacitance change	≤ ±20% of the initial value					φ D	load life
	DF (tan δ)	≤ 200 % of the initial specified value					5~6 φ	2000
	Leakage current	≤ The initial specified value					8 φ	3000
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied.							
	Capacitance change	≤ ±20% of the initial value					10 φ ~	5000
	DF (tan δ)	≤ 200 % of the initial specified value						
Ripple Current Multiplier	Temperature coefficient							
	Temperature(°C)	~55	60	70	85	105		
	Factor	2.23	2.17	2.0	1.75	1		
	Frequency coefficient							
	cap \ freq	60	120	1k	10-100k			
~100	0.70	1.00	1.40	1.50				
100up	0.75	1.00	1.30	1.35				

• Diagram: (Unit: mm)



Body Dia φD	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	3.5	5		7.5	7.5/10	10	

◆ KL series 105°C 中高壓長壽命品

● STANDARD RATING

Vdc μF	160v		200v		250v		350v		400v		450v	
	D*L	120Hz	D*L	120Hz	D*L	120Hz	D*L	120Hz	D*L	120Hz	D*L	120Hz
0.47	5*11	12	5*11	12	5*11	12	6.3*11	11	6.3*11	11	8*12	11
1	6.3*11	17	6.3*11	17	6.3*11	17	8*12	17	6.3*11	17	8*12	17
2.2	6.3*11	25	6.3*11	25	8*12	30	8*12	30	8*12	30	8*12	35
3.3	8*12	35	8*12	35	8*12	40	8*12	50	8*9 8*14	45 50	10*13	50
4.7	8*12	68	8*12	68	8*12	68	8*12	68	10*12	68	10*15	58
6.8	10*12	88	10*12	88	10*12	88	10*16	88	8*14 10*16	58 88	10*16	88
10	10*16	112	10*16	112	10*16	112	10*16	122	10*16 10*20	110 122	10*20	125
22	10*20	200	10*20	132	10*20	190	10*20	210	13*21 13*25	210 210	13*20 13*25	220 230
33	10*20	250	13*21	250	13*21	250	13*21	270	16*25	270	16*25	290
47	13*21	312	13*25	320	13*25	320	13*25	350	16*25 16*32	320 350	18*25 18*30	330 350
68	13*21	350	13*25	400	13*25 16*25	410 410	16*32	410	18*30	410	18*30	410
100	16*25	520	16*25	530	16*25 16*32	535 540	18*36	540	18*36	540		
220	16*32	680	18*36	870	22*30	920						

Ripple Current :mA/rms at 105°C

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