

LK Series

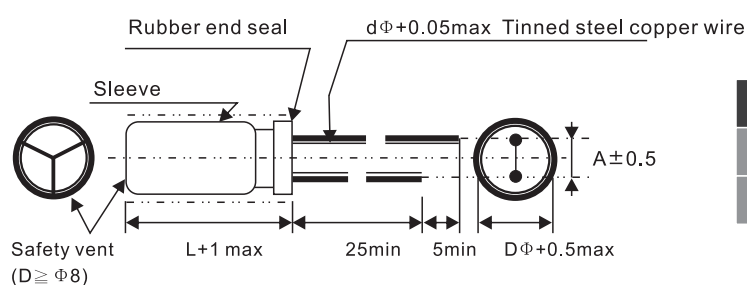


- 105°C 7mmL, height, with low leakage current-1000 hours

• SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	- 40 to +105°C								
Rated Voltage Range	4 to 63Vdc								
Capacitance Tolerance	± 20% (M) (at 20°C ,120Hz)								
Leakage Current	I=0.004CV or 0.4 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)	4V	6.3V	10V	16V	25V	35V	50V	63V
	tan δ (Max.)	0.35	0.22	0.19	0.16	0.14	0.12	0.10	0.08 (at 20°C ,120Hz)
Low Temperature Characteristics	Impedance ration max at 120Hz								
	Working voltage	4v	6.3v	10v	16v	25v	35v	50v	63v
	Z-25°C/ Z+20°C	7	4	3	2	2	2	2	2
	Z-40°C/ Z+20°C	15	10	8	6	5	4	4	3
Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for 1000 hours at 105°C								
	Capacitance change	≤ ±20% of the initial value							
	DF (tan δ)	≤ 200 % of the initial specified value							
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied.								
	Capacitance change	≤ ±20% of the initial value							
	DF (tan δ)	≤ 200 % of the initial specified value							
Ripple Current Multiplier	Leakage current ≤ The initial specified value								
	Temperature coefficient								
	Temperature(°C)	~55	60	70	85	105			
	Factor	2.20	2.10	2.00	1.75	1.00			
	Frequency coefficient								
cap	freq	50	120	300	1K	10K~			
	~47	0.75	1.00	1.35	1.57	2.00			
	100~470	0.80	1.00	1.23	1.34	1.50			

• Diagram: (Unit: mm)

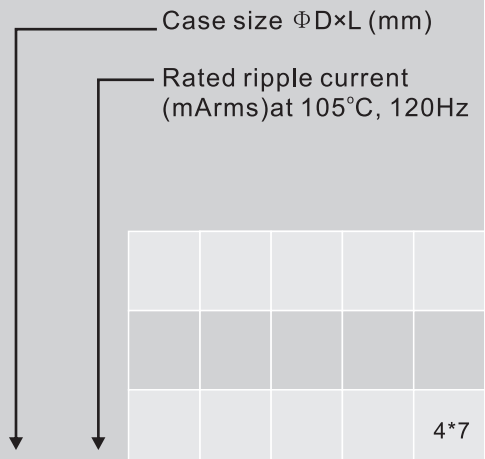


Body Dia ΦD	4	5	6	8
Lead Dia Φd	0.45	0.50	0.50	0.50
Lead Space A	1.5	2.0	2.5	3.5



● STANDARD RATING

μF \ Vdc	4		6.3		10		16		25		35		50		63		
0.1													4*7	1.0	4*7	1.0	
0.22													4*7	2.0	4*7	2.0	
0.33													4*7	3.0	4*7	3.0	
0.47													4*7	3.3	4*7	6.0	
1.0													4*7	6.6	4*7	9.0	
2.2													4*7	13	4*7	15	
3.3													4*7	16	5*7	19	
4.7												4*7	16	4*7 5*7	19	6.3*7	23
10							4*7	19	4*7	22	5*7	24	5*7	29	6.3*7	38	
22			4*7	22	4*7	25	4*7 5*7	29	4*7 6.3*7	34	6.3*7	38	6.3*7	43			
33	4*7	24	4*7	28	5*7	31	5*7	35	6.3*7	42	6.3*7	48					
47	4*7	30	4*7 5*7	33	4*7 5*7	39	5*7	45	6.3*7	52							
100	5*7	45	5*7	51	5*7	64	6.3*7	71	6.3*7 8*7	108							
150	5*7	75	6.3*7	85	6.3*7	98	8*7	109	8*7	123							
180	6.3*7	85	8*7	95	8*7	108	8*9	115	8*9	128							
220	6.3*7	95	6.3*7	105	6.3*7	118	8*9	125									
330	6.3*7	120	8*7	150													
470	8*9	150	8*9	170													



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 Film Capacitors

Ripple Current : mA/rms at 120Hz 105°C