

## LK Series

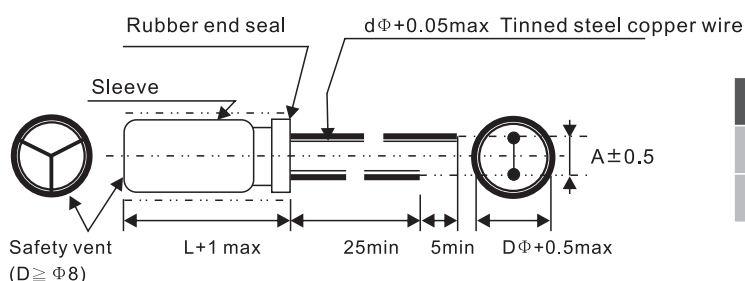
- 105°C 7mmL, height, with low leakage current-1000 hours



### • 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								
	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 500 hours at 105°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	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

