

LK series

- -55°C~105°C 2000hrs low temperature resistant products
- Suitable for LED, intelligent electronic meter and outdoor power supply
- RoHS Compliance
- -55°C~105°C 2000hrs 耐低溫產品
- 適用於LED、智能電子電表及戶外電源等



SPECIFICATIONS

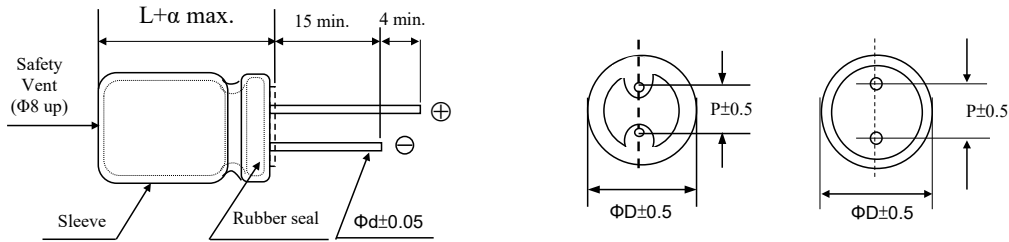
Items 項目	Characteristics 特性		
Capacitance Tolerance 靜電容量誤差	±20% (120Hz , 20°C)		
Operating Temperature Range 適用溫度範圍	- 55 ~ +105°C		
Rated Voltage Range 額定電壓範圍	400~450VDC		
Leakage Current 洩漏電流	≤0.03CV +20 (µA) (After 3 minutes application of DC rated voltage, at 20 °C)		
Dissipation Factor 散逸因素(tan δ)	Measurement Frequency:120Hz. Temperature: 20°C		
	Rated Voltage(V)	400	450
	tan δ(Max)	0.20	0.20
	When nominal capacitance over 1000µF, tanδ shall be added 0.02 to the listed value with increase of every 1000µF .		
Low Temperature Stability 低溫特性 Impedance Ratio(Max) 阻抗比率(最大值)	Measurement Frequency: 120Hz.		
	Rated Voltage(V)	400	450
	Z(-25°C)/Z(20°C)	2	2
	Z(-40°C)/Z(20°C)	3	3
Load Life 負荷壽命	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 2,000 hours at 105°C.		
	Capacitance Change	within ±20% of Initial Value	
	tan δ	200% or less of Initial Specified Value	
	Leakage Current	Initial Specified Value or less	
Shelf Life 放置壽命	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000hours 105°C without voltage applied. Before the measurement. The Capacitance shall be preconditioned by applying voltage according to them 4.1 of JIS C51 01-4.		
	Capacitance Change	within ±20% of Initial Value	
	tan δ	200% or less of Initial Specified Value	
	Leakage Current	Initial Specified Value or less	
Standards 參照標準	IEC 60384-4(JIS C 5101-4)		

Frequency Coefficient of Permissible Ripple Current

Capacitance (µF)	Frequency (Hz)				
	120	10K	30K	50K	100K
10 ~ 82	1.00	1.75	2.25	2.23	2.50
100 ~ 150	1.00	1.67	2.05	2.15	2.25

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DIMENSIONS(mm)



ΦD	10	12.5	16	18
P	5.0	5.0	7.5	7.5
Φd	0.6	0.6	0.8	0.8

α	(L < 20) 1.5
	(L \geq 20) 2.0

STANDARD RATINGS

DxL(mm), R.C.(mA rms) at 105°C 120 Hz.

Cap (μF)	V	Item	400		450			
			D x L	R.C.		D x L	R.C.	
				120Hz	100kHz		120Hz	100kHz
10		10x16	150	375	10x20	105	263	
15		10x20	170	425	12.5x20	130	325	
22		12.5x20	250	625	12.5x25	210	525	
33		12.5x25	350	875	16x20	270	675	
47		16x20	480	1200	18x26	450	1125	
56		16x25	500	1250	18x26	550	1375	
68		18x26	550	1375	18x31.5	600	1500	
82		18x26	600	1500	18x31.5	650	1625	
100		18x31.5	680	1530	18x35.5	750	1688	
120		18x35.5	750	1688	18x40	800	1800	
150		18x40	800	1800	18x45	900	2025	

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