

# LG series

D×L(mm) ; R.C.(A rms) at 105°C 120Hz

- 105°C 2000 hours, LUG terminal type.
- High temperature, high ripple current resistance.
- Suitable for machinery, filter circuit of tele-communication.
- RoHS Compliance
- 105°C 2000小時 插片式電容。
- 耐高溫、高紋波電流。
- 適用於機械、通訊設備的濾波迴路。



## SPECIFICATIONS

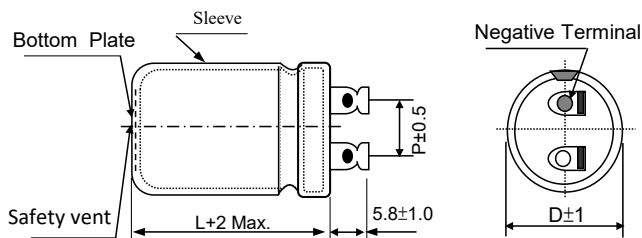
Items 項目	Characteristics 特性				
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20°C)				
Operating Temperature Range 適用溫度範圍	-40 ~ +105°C		-25 ~ +105°C		
Rated Voltage Range 額定電壓範圍	16 ~ 250VDC		315 ~ 450VDC		
Leakage Current 洩漏電流	I ≤ 0.02CV (µA) or 5mA, whichever is smaller. (After 5 minutes application of DC rated voltage, at 20 °C)				
Dissipation Factor 散逸因素( tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C				
	Rated Voltage(V)	16~25	35~50	63~315	350~450
	tan δ(Max)	0.35	0.25	0.20	0.25
When nominal capacitance over 1000µF, tanδ shall be added 0.01 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)	16~100	160~250	315~450	
	Z(-25°C)/Z(20°C)	6	4	8	
	Z(-40°C)/Z(20°C)	12	8	-	
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 ± 25% 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 1,000 hours 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.				
	Capacitance Change	Within ± 25% 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

Rated Voltage (V)	Frequency (Hz)			
	50	120	1K	≥ 10K
16 ~ 100	0.90	1.00	1.20	1.25
160 ~ 315	0.95	1.00	1.20	1.25
350 ~ 450	0.98	1.00	1.15	1.20

# LG series

## DIMENSIONS(mm)



$\phi$	25.4	30	35	40	51
P	10	10	14	18	20

## STANDARD RATINGS

DxL(mm), R.C.(A rms) at 105°C 120 Hz

Cap ( $\mu$ F)	V Item	16		25		35		50		63		80		100	
		D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
470										25.4x25	0.60	25.4x25	0.62	25.4x25	0.85
680										25.4x25	0.80	25.4x25	1.03	25.4x25	1.10
1000						25.4x25	0.50	25.4x25	0.80	25.4x25	1.10	25.4x35	1.30	25.4x40	1.40
1500						25.4x25	0.80	25.4x25	1.10	25.4x25	1.50	25.4x35	1.70	25.4x40	1.80
2200	25.4x25	0.70	25.4x25	1.00	25.4x35	1.30	25.4x35	1.60	25.4x35	1.70	25.4x50	1.90	30x50	2.40	
3300	25.4x25	1.02	25.4x30	1.40	25.4x40	1.80	25.4x50	2.10	30x50	2.30	30x60	2.60	30x60	2.80	
4700	25.4x30	1.50	25.4x35	1.90	25.4x50	2.00	30x50	2.60	30x60	2.80	35x60	3.10	40x60	3.70	
6800	25.4x35	2.01	25.4x50	2.40	30x50	2.70	35x50	3.00	35x60	3.20	40x60	3.90	40x80	5.10	
10000	25.4x50	2.40	30x50	2.90	30x60	3.20	35x60	4.40	40x60	4.90	40x80	5.80			

Cap ( $\mu$ F)	V Item	160		200		250		315		350		400		450	
		D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
22														25.4x35	0.15
33														25.4x50	0.21
47												25.4x40	0.21	25.4x50	0.22
100						25.4x50	0.43	25.4x50	0.44	25.4x50	0.45	30x50	0.48	30x60	0.53
150						25.4x50	0.51	25.4x50	0.62	25.4x50	0.61	30x50	0.61	30x60	0.61
220	25.4x50	0.64	30x50	0.71	30x50	0.72	35x50	0.82	35x60	0.82	35x80	0.82	35x80	0.92	
330	30x50	0.92	30x60	0.92	35x60	1.03	35x80	1.05	35x80	1.10	40x80	1.10			
470	30x60	1.20	35x60	1.20	35x80	1.30	40x80	1.40	40x80	1.50					
680	35x60	1.60	40x60	1.70	40x80	1.80									
1000	35x80	2.20													