

LX series

- Snap-in type, 85°C 2000 hours standard product.
- Suitable for filter circuit of home appliance, e.g. TV set, audio, etc.
- RoHS Compliance
- 基板自立 85°C 2000小時標準品。
- 適用於家電產品輸入/輸出電源的濾波迴路，如電視機、音響等。



SPECIFICATIONS

Items 項目	Characteristics 特性								
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20℃)								
Operating Temperature Range 適用溫度範圍	-40 ~ +85℃					-25 ~ +85℃			
Rated Voltage Range 額定電壓範圍	10 ~ 100VDC					160 ~ 500VDC			
Leakage Current 洩漏電流	I ≤ 3√CV (μA) (After 5 minutes application of DC rated voltage, at 20 °C)								
Dissipation Factor 散逸因素(tan δ)	Measurement Frequency: 120Hz. Temperature: 20℃								
	Rated Voltage(V)	10	16	25	35	50~80	100~250	300	330~500
	tan δ(Max)	0.50	0.40	0.35	0.30	0.25	0.20	0.25	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)	10~100			160~250		350~500		
	Z(-25℃)/Z(20℃)	4			4		8		
	Z(-40℃)/Z(20℃)	12			15		-		
Load Life 負荷壽命	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied for 2,000 hours at 85℃.								
	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℃ after exposing them for 1,000 hours 85℃ 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 ± 20% of Initial Value						
	tan δ		150% or less of Initial Specified Value						
	Leakage Current		Initial Specified Value or less						
Standards 參照標準	JIS C 5101-4 (IEC 60384)								

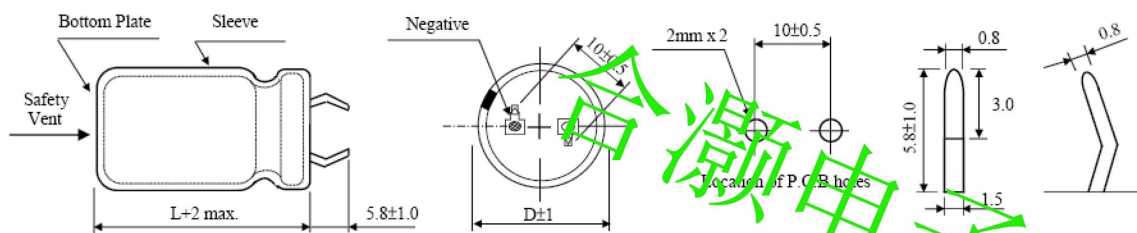
Frequency Coefficient of Permissible Ripple Current

Rated Voltage (V)	Frequency (Hz)			
	50	120	K	≥10K
10 ~ 100	0.88	1.00	1.15	1.15
160 ~ 250	0.85	1.00	1.15	1.20
350 ~ 500	0.88	1.00	1.10	1.15

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.

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DIMENSIONS(mm)



STANDARD RATINGS

D x L (mm) ; R.C. (A rms) at 85°C 120Hz

Cap (μF)	V	10		16		25		35		50		63		80	
Item		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.
820														22x25	1.34
1000												22x25	1.52	22x25	1.64
1500												22x25	1.68	22x30	1.80
2200										22x25	2.08	22x30	2.58	22x35	2.65
2700										22x30	2.32	22x35	2.80	22x40	2.82
3300										22x30	2.65	22x40	2.88	22x45	3.30
3900								22x25	2.44	22x35	2.72	22x45	3.15	25x45	3.40
4700						22x25	2.49	22x30	2.64	22x40	3.09	22x50	3.39	25x50	3.62
6800				22x25	2.40	22x30	2.57	22x40	2.81	22x50	3.86	25x50	4.34	30x50	4.68
8200				22x25	2.90	22x35	2.96	22x45	3.12	25x50	4.42	30x45	4.84	35x45	4.96
10000	22x25	2.08	22x30	3.08	22x40	3.40	22x50	3.55	25x50	4.98	35x40	5.51	35x50	6.08	
12000	22x25	2.40	22x30	3.50	22x45	3.61	25x45	4.02	30x50	5.16	35x50	6.22			
15000	22x30	2.76	22x35	3.95	25x45	4.10	30x40	5.01	35x45	6.45					
18000	22x35	3.14	22x40	4.40	25x45	4.47	30x45	5.55	35x50	6.72					
22000	22x40	3.53	22x50	4.71	25x50	5.22	35x45	6.02							
27000	22x45	4.18	25x45	5.51	30x50	6.02	35x50	6.85							
33000	22x50	5.21	25x50	5.82	35x45	6.78	35x45	6.95							
39000	25x45	5.30	30x45	6.36	35x45	7.60	35x50	7.16							
47000	30x40	5.98	30x50	6.99	35x50	7.88									
56000	30x45	6.60	35x45	7.17											
68000	35x40	7.28	35x50	10.10											

合源电子