

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

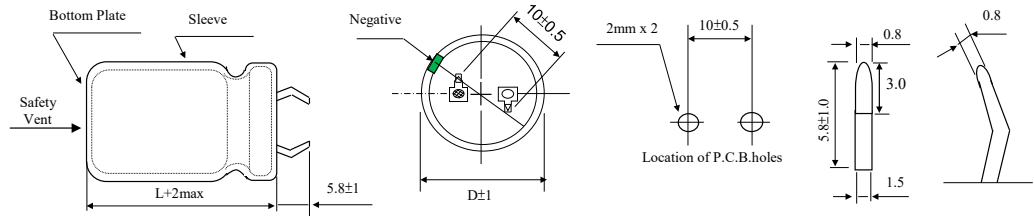
Items 項目	Characteristics 特性								
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20°C)								
Operating Temperature Range 適用溫度範圍	-40 ~ +85°C				-25 ~ +85°C				
Rated Voltage Range 額定電壓範圍	10 ~ 100VDC				160 ~ 500VDC				
Leakage Current 洩漏電流	$I \leq 3\sqrt{CV}$ (µA) (After 5 minutes application of DC rated voltage, at 20 °C)								
Dissipation Factor 散逸因素(tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C								
	Rated Voltage(V)	10	16	25	35	50~80	100~250	300	315~500
	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°C)/Z(20°C)	4			4		8		
	Z(-40°C)/Z(20°C)	12			15		-		
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 85°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 1,000 hours 85°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 ± 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	IEC 60384-4 (JIS C 5101-4)								

Frequency Coefficient of Permissible Ripple Current

Rated Voltage (V)	Frequency (Hz)			
	50	120	1K	≥ 10K
10 ~ 100	0.88	1.00	1.15	1.15
160 ~ 250	0.81	1.00	1.32	1.50
350 ~ 500	0.77	1.00	1.30	1.43

LX series

DIMENSIONS(mm)



STANDARD RATINGS

DxL(mm), R.C.(A rms) at 85°C 120 Hz.

Cap (μF)	V Item	10		16		25		35		50		63		80	
		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 25.4x25	1.80
2200										22x25	2.08	22x30 25.4x25	2.58	22x35 25.4x30	2.65
2700										22x30	2.32	22x35 25.4x30	2.80	22x40 25.4x30	2.82
3300										22x30 25.4x25	2.65	22x40 25.4x30	2.88	22x45 25.4x40	3.30
3900								22x25	2.44	22x35 25.4x30	2.72	22x45 25.4x35	3.15	25.4x45 30x35	3.40
4700						22x25	2.49	22x30 25.4x25	2.64	22x40 25.4x35	3.09	22x50 25.4x40	3.39	25.4x50 30x40	3.62
6800				22x25	2.40	22x30 25.4x25	2.57	22x40 25.4x30	2.81	22x50 25.4x40	3.86	25.4x50 30x40	4.34	30x50 35x40	4.68
8200				22x25	2.90	22x35 25.4x25	2.96	22x45 25.4x35	3.12	25.4x50 30x40	4.42	30x45 35x35	4.84	35x45	4.96
10000	22x25	2.10	22x30	3.08	22x40 25.4x30	3.40	22x50 25.4x40	3.55	25.4x50 30x40	4.98	35x40	5.51	35x50	6.08	
12000	22x25	2.42	22x30 25.4x25	3.50	22x45 25.4x35	3.61	25.4x45 30x35	4.02	30x50 35x35	5.16	35x50	6.22			
15000	22x30	2.79	22x35 25.4x30	3.95	25.4x45 30x35	4.10	30x40 35x35	5.01	35x45	6.45					
18000	22x35 25.4x25	3.17	22x40 25.4x35	4.40	25.4x45 30x35	4.47	30x45 35x40	5.55	35x50	6.72					
22000	22x40 25.4x30	3.57	22x50 25.4x40	4.71	25.4x50 30x45	5.22	35x45	6.02							
27000	22x45 25.4x35	4.22	25.4x45 30x35	5.51	30x50 35x40	6.02	35x50	6.85							
33000	22x50 25.4x40	5.26	25.4x50 30x40	5.82	35x45	6.78	35x45	6.95							
39000	25.4x45 30x35	5.35	30x45 35x35	6.36	35x45	7.60	35x50	7.16							
47000	30x40	6.04	30x50 35x40	6.99	35x50	7.88									
56000	30x45	6.67	35x45	7.17											
68000	35x40	7.35	35x50	10.10											

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STANDARD RATINGS

DxL(mm), R.C.(A rms) at 85°C 120 Hz.

Cap (μF)	V Item	100		160		180		200		250		315		350	
		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.
100														22x25	0.77
120														22x30 25.4x25	0.93
150										22x25	1.1			22x35 25x30	1.12 1.16
180												22x25	1.21	22x30	1.22
220				22x20	1.12			22x25 25.4x20	1.37	22x30 25.4x25	1.44	22x30	1.41	22x35 22x45 25.4x35	1.44 1.47
270											1.31	22x30	1.60	22x40 25.4x30	1.66
330				22x25 25.4x20	1.45			22x30 25.4x25	1.88	22x30 25.4x30	1.75 1.93	22x40 25.4x30 30x25	1.82	22x45 25.4x35 30x40	1.88 1.99
390								22x25	1.68	22x30 25.4x25	1.91	22x45 25.4x35 30x30	2.01	22x50 25.4x40 30x30 35x25	2.06
470				22x30 25.4x25	1.83	22x25	2.08	22x30 25.4x30	1.85 2.25	22x35 25.4x30	2.11	22x50 25.4x40 30x30 35x25	2.27	25.4x45 30x35 35x30	2.40
560				25.4x30	2.03	22x30	2.25	22x40 25.4x25	2.43	22x40 25.4x30 30x25	2.25	25.4x45 30x35 35x30	2.56	25.4x50 30x40 35x30	2.60
680	22x25	1.54	22x35 25.4x30	2.5 2.37	22x30 25.4x25	2.50	22x35 25.4x30	2.68	22x45 25.4x35 30x30	2.50	30x40 35x35	2.87	30x45 35x35	2.96	
820	22x25 25.4x20	1.88	22x40 25.4x35	2.75	22x35 25.4x30	2.75	22x40 25.4x30 30x25	2.93	22x50 25.4x40 30x30 35x25	2.77	30x45 35x40	3.25	30x50 35x45	3.25	
1000	22x30 25.4x25	1.94	25.4x40 30x35	3.00	22x45 30x25	3.00	22x45 25.4x35 30x30 35x25	3.25	25.4x45 30x35 35x30	3.32	30x50 35x45	3.63	35x50	3.54	
1200	22x30 25.4x25	2.11	22x45 25.4x40 30x35	3.25	22x50 25.4x40 30x30 35x25	3.31	25.4x40 30x30 35x30	3.5	30x40 35x35	3.53			35x60	4.17	
1500	22x35 25.4x30	2.47	22x50 25.4x40 30x30 35x25	3.73	25.4x45 30x35 35x30	3.83	25.4x50 30x35 35x30	3.87	30x50 35x40	4.04			35x65	4.56	
1800			25.4x45 30x35 35x30	4.20	25.4x50 30x40 35x30	4.32	30x45 35x35	4.32	35x45	4.55					
2200	22x45 25.4x40	3.15	30x40 35x35	4.78	30x45 35x40	4.92	30x50 35x40	4.92	40x60	6.13			45x75	5.75	
2700	25.4x45 30x35	3.72	35x40	5.45	35x45	5.52	35x50	5.45							
3300	25.4x50 30x40	4.06	35x45	5.75	35x50	5.75									
3900	30x45 35x35	4.55	35x50	6.00											
4700	30x50 35x40	5.12													
6800	35x50	5.85													

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STANDARD RATINGS

DxL(mm), R.C.(A rms) at 85°C 120 Hz.

Cap (μ F)	V Item	400		420		450		500	
		D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
47		22x25	0.42					22x35	0.47
82						22x25	0.83		
100	22x30 25.4x25	1.05	22x25	0.97		22x25	0.93	25.4x40	1.13
						25.4x25	1.10		
120	22x25 25.4x25	1.02 1.15	22x25	1.08		22x30	1.04	25.4x45	1.25
						25.4x30	1.21		
150	22x30	1.16	22x30 25.4x25	1.30		22x35	1.19	25.4x50	1.50
						25.4x25			
	25.4x30	1.25				22x45	1.30	30x35	1.48
						25.4x35			
180	22x35	1.44	22x35 25.4x30	1.48		22x40 25.4x30	1.35		
220	22x40 25.4x30	1.49	22x40 25.4x35 30x25	1.65		22x45 25.4x40 30x30 35x25	1.55	30x45	1.78
	22x50 25.4x40	1.70							
270	22x45 25.4x35 30x25	1.67	22x50 25.4x35 30x30	1.94		"22x50 25.4x40 30x30"	1.78		
330	22x50 25.4x40 30x30 35x25	1.90	25.4x45 30x35 35x30	2.17		25.4x50 30x40 35x30	2.01	35x45	2.81
390	25.4x45 30x35 35x30	2.13	25.4x50 30x35 35x30	2.27		30x40 35x35	2.24		
470	25.4x50 30x40 35x30	2.39	30x40 35x35	2.61		30x45 35x40	2.53	35x60	3.00
						35x50	2.92		
560	30x45 35x35	2.69	30x50 35x40	2.82		30x50 35x45	2.82	35x60	3.03
680	30x50 35x40	2.96	35x45	3.11		35x60	3.36	35x70	3.27
820	35x45	3.25				35x65	3.59	40x70	3.76
1000	35x65	4.20				35x70	3.81	45x80	4.21
1200	35x70	4.41				40x70	4.01	45x90	4.50
1500	40x70	4.52				45x70	4.13	45x100	4.80
2200	45x85	5.64				45x100	5.22		