

LXA series

- 85°C 5,000 hours . Long life of LX series.
- Suitable for filter circuit of home appliance, e.g. TV set, audio, etc.
- RoHS Compliant
- 85°C 5000小時.LX系列壽命提升品
- 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

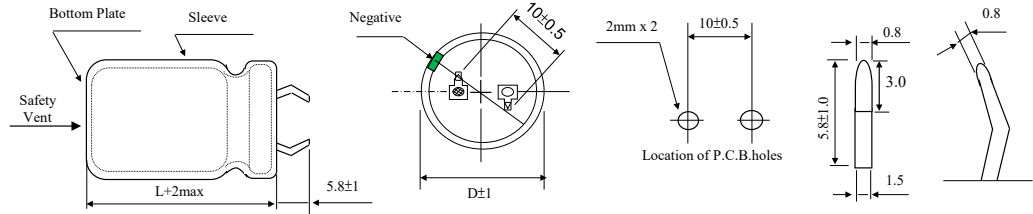
Items 項目	Characteristics 特性							
Capacitance Tolerance 靜電容量誤差	±20% (120Hz, 20°C)							
Operating Temperature Range 適用溫度範圍	- 40 ~ +85°C				- 25 ~ +85°C			
Rated Voltage Range 額定電壓範圍	10~ 100VDC				160~ 550VDC			
Leakage Current 洩漏電流	$I \leq 3\sqrt{CV} (\mu A)$ (After 5 minutes application of DC rated 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	50~100	160~250	330~500
	tan δ(Max)	0.50	0.40	0.35	0.30	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)	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 5,000 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 1000hours 85°C without voltage applied. Before the measurement. The Capacitance 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	0.70	1.00	1.32	1.50
330 ~ 550	0.88	1.00	1.32	1.47

LXA 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	1.37
1000												22x25	1.55	22x25	1.67
1500												22x25	1.71	22x30 25.4x25	1.84
2200										22x25	2.12	22x30 25.4x25	2.63	22x35 25.4x30	2.70
2700										22x30	2.37	22x35 25.4x30	2.86	22x40 25.4x30	2.88
3300										22x30 25.4x25	2.70	22x40 25.4x30	2.94	22x45 25.4x40	3.37
3900								22x25	2.49	22x35 25.4x30	2.77	22x45 25.4x35	3.21	25.4x45 30x35	3.47
4700						22x25	2.54	22x30 25.4x25	2.69	22x40 25.4x35	3.15	22x50 25.4x40	3.46	25.4x50 30x40	3.69
6800				22x25	2.45	22x30 25.4x25	2.62	22x40 25.4x30	2.87	22x50 25.4x40	3.94	25.4x50 30x40	4.43	30x50 35x40	4.77
8200				22x25	2.96	22x35 25.4x25	3.02	22x45 25.4x35	3.18	25.4x50 30x40	4.51	30x45 35x35	4.94	35x45	5.06
10000		22x25	2.12	22x30	3.14	22x40 25.4x30	3.47	22x50 25.4x40	3.62	25.4x50 30x40	5.08	35x40	5.62	35x50	6.20
12000		22x25	2.45	22x30 25.4x25	3.57	22x45 25.4x35	3.68	25.4x45 30x35	4.10	30x50 35x35	5.26	35x50	6.34		
15000		22x30	2.82	22x35 25.4x30	4.03	25.4x45 30x35	4.18	30x40 35x35	5.11	35x45	6.58				
18000		22x35 25.4x25	3.20	22x40 25.4x35	4.49	25.4x45 30x35	4.56	30x45 35x40	5.66	35x50	6.85				
22000		22x40 25.4x30	3.60	22x50 25.4x40	4.80	25.4x50 30x45	5.32	35x45	6.14						
27000		22x45 25.4x35	4.26	25.4x45 30x35	5.62	30x50 35x40	6.14	35x50	6.99						
33000		22x50 25.4x40	5.31	25.4x50 30x40	5.94	35x45	6.92	35x45	7.09						
39000		25.4x45 30x35	5.41	30x45 35x35	6.49	35x45	7.75	35x50	7.30						
47000		30x40	6.10	30x50 35x40	7.13	35x50	8.04								
56000		30x45	6.73	35x45	7.31										
68000		35x40	7.43	35x50	10.3										

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DxL(mm), R.C : (A rms) at 85°C 120 Hz.

Cap (μF)	V	100		160		180		200		210		220		250	
		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
150														22x25	1.12
220								22x25	1.40					22x30	1.47
				22x20	1.14			25.4x20	1.40					25.4x25	1.47
330				22x25	1.48			22x30	1.92					22x35	1.97
				25.4x20	1.48			25.4x25	1.92					25.4x30	1.97
470				22x30	1.87			22x40	2.30					22x45	2.44
				25.4x25	1.87			25.4x30	2.30					25.4x35	2.44
560				22x35	2.07			22x40	2.62					25.4x40	2.87
				25.4x30	2.07			25.4x30	2.62					30x35	2.87
600														30x35	4.03
680		22x25	1.57	22x35	2.42			22x50	2.90					25.4x50	4.03
				25.4x30	2.42			25.4x40	2.90					30x40	4.03
700												30x35	4.27		
800										30x35	4.48			30x40	4.66
820		22x25	1.92	22x40	2.81			25.4x45	3.42					30x45	4.66
		25.4x20	1.92	25.4x35	2.81			30x35	3.42					35x40	4.66
900						30x35	4.66	30x35	4.66	30x40	4.86	30x40	4.85	30x45	5.01
														35x35	4.73
1000		22x30	1.98	25.4x40	3.28							30x45	5.19	30x50	5.32
		25.4x25	1.98	30x35	3.28			30x40	5.01			35x35	4.87	35x45	5.32
1100						30x40	5.17			30x45	5.39			35x40	5.33
										35x35	5.06				
1200		22x30	2.15	25.4x40	3.48			30x45	5.51	30x50	5.71	30x50	5.68	30x55	5.96
		25.4x25	2.15	30x35	3.48			35x35	5.14			35x40	5.44	35x45	5.68
1300						30x45	5.64			35x40	5.65	30x55	6.09		
1400								30x50	5.95	30x55	6.31	35x45	5.96	35x50	6.25
								35x40	5.66						
1500		22x35	2.52	30x45	4.04	30x50	6.07	30x55	6.36	35x45	6.21			35x50	6.30
		25.4x30	2.52	35x35	4.04	35x40	5.75								
1600								35x45	6.14			35x50	6.51	35x55	6.87
1700						30x55	6.63			35x50	6.82				
1800						35x45	6.37					35x55	7.10		
1900								35x50	6.82						
2000						35x50	6.84			35x55	7.62				
2200		22x45	3.21	35x45	4.77			35x55	7.60					40x60	7.10
		25.4x40	3.21												
2700		25.4x45	3.79	35x50	5.46										
		30x35	3.79												
3300		25.4x50	4.14												
		30x40	4.14												
3900		30x45	4.64												
		35x35	4.64												
4700		30x50	5.22												
		35x40	5.22												
6800		35x50	5.97												

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STANDARD RATINGS

DxL(mm), R.C : (A rms) at 85°C 120 Hz

Cap (μ F)	V Item	350		400		450		500	
		D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
47				22x25	0.43	22x25	0.47	22x35	0.48
100		22x25	0.79	22x30	1.07	22x35	1.12	25.4x40	1.15
				25.4x25	1.07	25.4x25	1.12		
120		22x30	0.95	22x35	1.17	22x40	1.23	25.4x45	1.28
		25.4x25	0.95	25.4x25	1.17	25.4x30	1.23		
150		22x35	1.18	22x40	1.28	22x45	1.47	25.4x50	1.53
		25.4x30	1.18	25.4x30	1.28	25.4x35	1.47	30x35	1.51
220		22x45	1.50	22x50	1.80	25.4x45	1.81	30x45	1.82
		25.4x35	1.50	25.4x40	1.80	30x40	1.81		
330		25.4x50	2.03	30x40	2.35	30x45	2.85	35x45	2.87
		30x40	2.03	35x30	2.35	35x40	2.85		
470		30x50	2.49	35x45	2.88	35x50	2.98	35x60	3.06
		35x40	2.49						
560		35x45	3.36	35x50	3.43	35x55	3.21	35x60	3.09
680		35x50	3.51	35x50	3.57	35x60	3.43	35x70	3.34
820		35x50	3.65	35x60	3.91	35x65	3.66	40x70	3.84
1000		35x55	3.97	35x65	4.28	35x70	3.89	45x80	4.29
1200		35x60	4.25	35x70	4.50	40x70	4.09	45x90	4.59
1500		35x65	4.65	40x70	4.61	45x70	4.21	45x100	4.90
2200		45x75	5.87	45x85	5.75	45x100	5.32		