

LXB series

- Long life of LX series : 85°C 3000 hours
- Suitable for filter circuit of home appliance, e.g. TV set, audio, etc.
- RoHS Compliance
- LX系列壽命提升品 : 85°C 3000小時
- 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

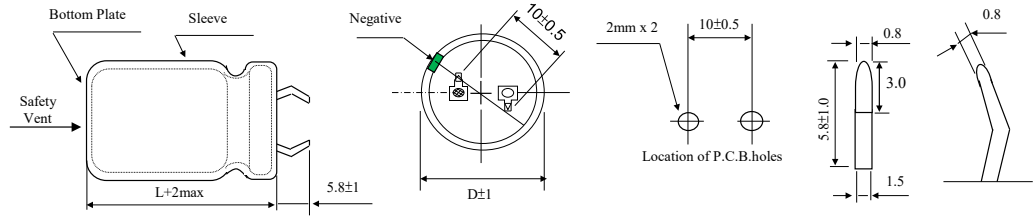
Items 項目	Characteristics 特性								
Capacitance Tolerance 靜電容量誤差	±20% (120Hz, 20°C)								
Operating Temperature Range 適用溫度範圍	- 40 ~ +85°C				- 25 ~ +85°C				
Rated Voltage Range 額定電壓範圍	10~ 100VDC				160~ 550VDC				
Leakage Current 洩漏電流	$I \leq 3\sqrt{CV}$ (μA) (After 5 minutes application of DC rated 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	50~100	135	160~250	330~500
	tan δ(Max)	0.50	0.40	0.35	0.30	0.25	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			330~500		
	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 3,000 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	0.81	1.00	1.32	1.50
330 ~ 550	0.87	1.00	1.30	1.43

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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	1.35
1000												22x25	1.54	22x25	1.66
1500												22x25	1.7	22x30 25.4x25	1.82
2200										22x25	2.10	22x30 25.4x25	2.61	22x35 25.4x30	2.68
2700										22x30	2.34	22x35 25.4x30	2.83	22x40 25.4x30	2.85
3300										22x30 25.4x25	2.68	22x40 25.4x30	2.91	22x45 25.4x40	3.33
3900								22x25	2.46	22x35 25.4x30	2.75	22x45 25.4x35	3.18	25.4x45 30x35	3.43
4700						22x25	2.51	22x30 25.4x25	2.67	22x40 25.4x35	3.12	22x50 25.4x40	3.42	25.4x50 30x40	3.66
6800				22x25	2.42	22x30 25.4x25	2.60	22x40 25.4x30	2.84	22x50 25.4x40	3.90	25.4x50 30x40	4.38	30x50 35x40	4.73
8200				22x25	2.93	22x35 25.4x25	2.99	22x45 25.4x35	3.15	25.4x50 30x40	4.46	30x45 35x35	4.89	35x45	5.01
10000	22x25	2.10	22x30	3.11	22x40 25.4x30	3.43	22x50 25.4x40	3.59	25.4x50 30x40	5.03	35x40	5.57	35x50	6.14	
12000	22x25	2.42	22x30 25.4x25	3.54	22x45 25.4x35	3.65	25.4x45 30x35	4.06	30x50 35x35	5.21	35x50	6.28			
15000	22x30	2.79	22x35 25.4x30	3.99	25.4x45 30x35	4.14	30x40 35x35	5.06	35x45	6.51					
18000	22x35 25.4x25	3.17	22x40 25.4x35	4.44	25.4x45 30x35	4.51	30x45 35x40	5.61	35x50	6.79					
22000	22x40 25.4x30	3.57	22x50 25.4x40	4.76	25.4x50 30x45	5.27	35x45	6.08							
27000	22x45 25.4x35	4.22	25.4x45 30x35	5.57	30x50 35x40	6.08	35x50	6.92							
33000	22x50 25.4x40	5.26	25.4x50 30x40	5.88	35x45	6.85	35x45	7.02							
39000	25.4x45 30x35	5.35	30x45 35x35	6.42	35x45	7.68	35x50	7.23							
47000	30x40	6.04	30x50 35x40	7.06	35x50	7.96									
56000	30x45	6.67	35x45	7.24											
68000	35x40	7.35	35x50	10.2											

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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		220		250		315	
		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.
100															
120												22x20	0.97	22x20	0.79
														25.4x20	0.90
150														22x25	1.06
												22x20	1.06	25.4x20	1.00
180														22x30	1.29
										22x20	1.06			25.4x25	1.38
220				22x20	1.13	22x20	1.18	22x20	1.18					22x25	1.24
												25.4x20	1.22	22x30	1.41
270														25.4x25	1.47
				22x20	1.30			22x25	1.37	22x25				30x20	1.16
330														25.4x30	1.70
								25.4x20	1.35	25.4x20	1.47			25.4x25	1.47
390														22x25	1.50
												22x25	1.50	30x20	1.28
470				22x25	1.46	22x25	1.77	22x25	1.51	22x30				22x35	1.68
				25.4x20	1.46	25.4x20	1.49	25.4x20	1.49	25.4x25	1.70			25.4x30	1.70
560														30x25	1.55
														30x25	1.55
680				22x25	1.63	22x25	1.84	22x30	1.73	22x30	1.58			22x30	1.66
				25.4x20	1.62			25.4x25	1.71	25.4x25	1.89	25.4x25	1.86	25.4x40	2.11
820														30x20	1.71
														35x20	1.84
1000				22x30	1.86	22x30	1.91	22x30	1.97	22x35				22x35	1.71
				25.4x25	1.86	25.4x25	2.08	25.4x25	1.95	25.4x30	2.08	25.4x35	2.15	25.4x35	2.15
1200														22x40	1.88
														22x40	1.88
1500				22x30	2.15	22x35	2.25	22x35	2.18	22x40	1.88	25.4x35	2.35	25.4x35	2.35
				25.4x25	2.15	25.4x25	2.25	25.4x30	2.15	25.4x35	2.33	30x25	2.35	30x25	2.35
1800				30x20	2.05			30x25	2.15	30x25	2.38			30x30	2.63
								35x20	2.05	35x20	2.31	22x50	2.61	35x30	2.69
2200				22x25	1.56	22x35	2.35	22x35	2.48	22x40	2.48	22x45	2.14	25.4x40	2.67
				25.4x30	2.33	25.4x30	2.50	25.4x30	2.48	25.4x35	2.63	30x30	2.71	25.4x40	2.67
2700				30x25	2.33	30x25	2.46	30x25	2.48	30x30	2.68	35x25	2.58	30x45	2.82
				35x20	2.26	35x20	2.26			35x25	2.62	25.4x45	3.01	35x35	3.05
3300				22x25	1.90	22x40	2.68	22x40	2.86	22x 45	2.81	25.4x45	2.58	30x35	2.98
				25.4x20	1.90	25.4x30	2.65	25.4x35	2.75	25.4x35	2.79	30x35	3.01	30x35	2.98
3900				30x25	2.64	30x25	2.69	30x30	2.80	35x30	2.99			35x30	2.96
				35x20	2.49			35x25	2.83		2.79	30x40	3.56	35x40	3.45
4700				22x30	1.96	22x45	3.02	22x50	3.10	22x50	3.28	25.4x50		35x35	3.48
				25.4x25	1.96	25.4x35	3.00	25.4x40	3.06	25.4x40	3.28	30x35	3.40	35x35	3.48
6800				30x30	2.96	30x30	3.10	30x35	3.15	35x30	3.42				
				35x25	3.13	35x25	2.98	35x30	3.26		3.29				
1000				22x30	2.13	22x50	3.47	25.4x45	3.63	22x50	3.28	30x40		30x45	3.99
				25.4x25	2.13	25.4x40	3.43	30x35	3.55	25.4x40	3.28	35x35	3.88	35x35	3.84
1500				30x30	3.41	35x30	3.49	30x35	3.15		3.68				
				35x25	3.40			35x30	3.26			35x40	4.33		
1800				22x35	2.49	25.4x50	3.96	30x40	4.10	30x45	4.13				
				25.4x30	2.49	30x35	3.96	35x35	4.02	35x35	4.06		4.44		
2200				35x30	3.94							4.10	35x50	4.54	
				30x40	4.31	30x45	4.55	30x50	4.60						
2700				35x35	4.28	35x35	4.54	35x40	4.59			4.52	40x60	6.19	
				22x45	3.18	30x50	4.96	35x40	4.83	35x45	5.25				
3300				25.4x40	3.18	35x40	4.96								
				25.4x45	3.76	35x45	5.57	35x50	5.30						
3900				30x35	3.76										
				25.4x50	4.10	35x50	6.21								
4700				30x40	4.10										
				30x45	4.60										
6800				35x35	4.60										
				30x50	5.17										
				35x40	5.17										

LXB

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STANDARD RATINGS

DxL(mm), R.C : (A rms) at 85°C 120 Hz

Cap (μF)	V Item	350		400		420		450		500	
		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.
47				22x25	0.42	22x20	0.54	22x20	0.54	22x35	0.47
56						22x20	0.59	22x20	0.59		
68				22x20	0.65	25.4x20	0.68	22x25	0.71		
								25.4x20	0.68		
82		22x20	0.72	22x25	0.84	22x25	0.85	22x25	0.86		
								25.4x20	0.74		
100				25.4x20	0.74	25.4x20	0.74	30x20	0.79		
		22x25	0.78	22x25	0.99	22x30	0.97	22x30	0.95	25.4x40	1.14
				25.4x20	0.82	25.4x25	0.98	25.4x25	0.97		
120						30x20	0.87	30x20	0.87		
		22x25	1.04	22x30	1.09	22x30	1.07	22x35	1.07	25.4x45	1.26
		25.4x20	0.90	25.4x25	1.13	25.4x25	1.08	25.4x30	1.09		
				30x20	0.95	30x20	0.95	30x25	1.12		
150								35x20	0.99		
		22x30	1.20	22x35	1.24	22x35	1.21	22x40	1.18	25.4x50	1.52
		25.4x25	1.22	25.4x30	1.27	25.4x30	1.26	25.4x30	1.25		
		30x20	1.06	30x25	1.20	35x20	1.11	30x25	1.29		
180								35x20	1.06	30x35	1.49
		22x30	1.34	22x40	1.41	22x40	1.33	22x45	1.32		
		25.4x25	1.37	25.4x30	1.44	25.4x35	1.42	25.4x35	1.40		
		30x20	1.16	30x25	1.52	30x25	1.48	30x30	1.45		
220								35x25	1.33		
		22x35	1.47	22x45	1.58	22x45	1.55	22x50	1.48	30x45	1.80
		25.4x30	1.53	25.4x35	1.64	25.4x35	1.58	25.4x40	1.59		
		30x25	1.54	30x30	1.66	30x30	1.65	30x30	1.64		
270								35x25	1.66		
		22x40	1.70	22x50	1.65	25.4x40	1.74	25.4x45	1.73		
		25.4x35	1.73	25.4x40	1.79	30x35	1.90	30x35	1.89		
		30x25	1.80	30x30	1.82	35x30	1.94	35x30	1.90		
330											
		22x45	1.87	25.4x45	2.00	25.4x50	2.20	25.4x50	2.12	35x45	2.84
		25.4x35	1.97	30x35	2.05	30x35	1.98	30x40	2.12		
390											
		30x30	2.03	35x30	2.05	35x35	2.17	35x35	2.15		
		35x25	1.80								
470		25.4x40	2.14	25.4x50	2.12	30x40	2.22	30x45	2.35		
		30x35	2.23	30x40	2.26	35x35	2.27	35x40	2.38		
		35x30	2.30	35x35	2.28						
560		30x35	2.53	30x45	2.51	30x45	2.50	30x50	2.65	35x60	3.03
		25.4x50	2.55	35x35	2.54	35x40	2.61	35x45	2.68		
		35x30	2.55								
680		30x40	2.73	30x50	2.85	35x45	2.95	35x50	2.88	35x60	3.06
		35x35	2.75	35x40	2.85			35x55	3.18		
		35x45	3.32	35x50	3.39						
820		30x50	3.15	35x50	3.10	35x50	3.15	35x60	3.39	35x70	3.30
		35x40	3.15								
		35x50	3.47								
1000		35x45	3.47	35x60	3.87			35x65	3.63	40x70	3.80
		35x50	3.62								
1200		35x50	3.60	35x65	4.24			35x70	3.85	45x80	4.25
		35x55	3.93								
1500		35x60	4.21	35x70	4.45			40x70	4.05	45x90	4.55
1500		35x65	4.61	40x70	4.57			45x70	4.17	45x100	4.85
2200		45x75	5.81	45x85	5.70			45x100	5.27		