

LX series

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

High ripple current resistance.

Suitable for wave filtering return circuit of power input/ output for civil electronic product, such as: TV set, audio... etc.

耐高紋波。

適用於民用電子產品輸入／輸出電源的濾波迴路，如電視機、音響等。



SPECIFICATION

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 工作電壓範圍	10 ~ 100V				160 ~ 450V			
Leakage Current 洩漏電流	$I \leq 3 \overline{CV}$ or 3000 (A), which is greater. (After 5 minutes application of working voltage)							
Dissipation Factor 散逸因素 (tan	Measurement Frequency: 120Hz. Temperature: 20 C							
	Rated Voltage (V)	10	16	25	35	50~80	100~250	350~450
	tan (Max)	0.50	0.40	0.35	0.30	0.25	0.20	0.25
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		350~450	
	Z (-25 C) / Z (20 C)	4			4		8	
	Z (-40 C) / Z (20 C)	12			15		-	
Load Life 負荷壽命	2,000hours, with application of working voltage at 85 C							
	Capacitance Change	Within ± 20% of Initial Value						
	tan	200% or less of Initial Specified Value						
	Leakage Current	Initial Specified Value or less						
Shelf Life 放置壽命	1,000hours, no voltage applied, at 85 C 。 After Test: U _k to be applied for 30 minutes, 24 to 48hours before measurement.							
	Capacitance Change	Within ± 20% of Initial Value						
	tan	150% or less of Initial Specified Value						
	Leakage Current	Initial Specified Value or less						
Standards 參照標準	JIS C 5141 and JIS C 5102							

PERMISSIBLE RIPPLE CURRENT

Temperature Coefficient

TEMP (C)	45	60	70	85
Coefficient	1.50	1.30	1.20	1.00

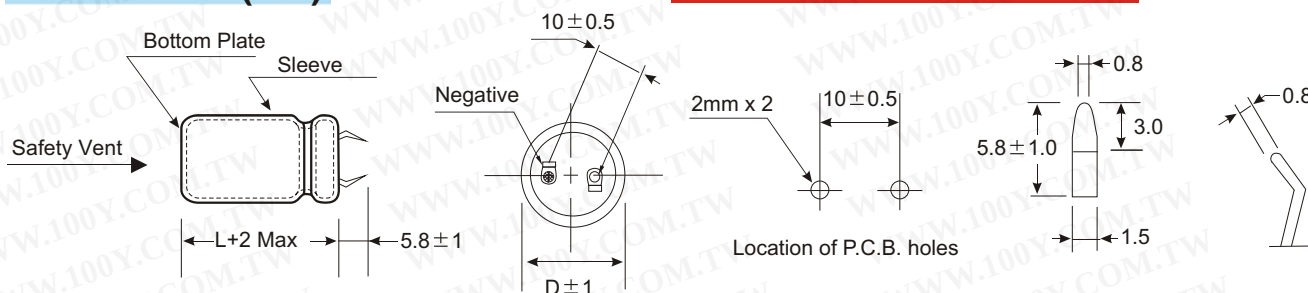
Frequency Coefficient

Working Voltage (V)	Frequency (Hz)			
	50	120	1K	$\geq 10K$
10 ~ 100	0.88	1.00	1.15	1.15
160 ~ 250	0.85	1.00	1.15	1.20
350 ~ 450	0.88	1.00	1.10	1.15

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DIMENSIONS (mm)



STANDARD RATINGS

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

Cap (F	WV (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 25x25	1.80
2200										22x25	2.08	22x30 25x25	2.58	22x35 25x30	2.55
2700										22x30	2.32	22x35 25x30	2.80	22x40 25x30	2.82
3300										22x30 22x25	2.65	22x40 25x30	2.88	22x45 25x40	3.30
3900								22x25	2.44	22x35 25x30	2.72	22x45 25x35	3.15	25x45 30x35	3.40
4700						22x25	2.49	22x30 25x25	2.64	22x30 25x25	3.09	22x50 25x40	3.39	25x50 30x40	3.62
6800				22x25	2.40	22x30 25x25	2.57	22x40 25x30	2.81	22x50 25x40	3.86	25x50 30x40	4.34	30x50 35x40	4.68
8200				22x25	2.90	22x35 25x25	2.96	22x45 25x35	3.12	25x50 30x40	4.42	30x45 35x35	4.84	35x45	4.96
10000		22x25	2.08	22x30	3.08	22x40 25x30	3.40	22x50 25x40	3.55	25x50 30x40	4.98	35x40	5.51	35x50	6.08
12000		22x25	2.40	22x30 25x25	3.50	22x45 25x35	3.61	25x45 30x35	4.02	30x50 35x35	5.16	35x50	6.22		
15000		22x30	2.76	22x35 25x30	3.95	25x45 30x35	4.10	30x40 35x35	5.01	35x45	6.45				
18000		22x35 25x25	3.14	22x40 25x35	4.40	25x45 30x35	4.47	30x45 35x40	5.55	35x50	6.72				
22000		22x40 25x30	3.53	22x50 25x40	4.71	25x50 30x45	5.22	35x45	6.02						
27000		22x45 25x35	4.18	25x45 30x35	5.51	30x50 35x40	6.02	35x50	6.85						
33000		22x50 25x40	5.21	25x50 30x40	5.82	35x45	6.78	35x45	6.95						
39000		25x45 30x35	5.30	30x45 35x35	6.36	35x45	7.60	35x50	7.16						
47000		30x40	5.98	30x50 35x40	6.99	35x50	7.88								
56000		30x45	6.60	35x45	7.17										
68000		35x40	7.28	35x50	10.10										

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STANDARD RATINGS

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

Cap (F	W V (V)	100		160		200		250		350		400		450	
	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.
47												22x25	0.42	22x25	0.46
100										22x25	0.77	22x30 25x25	1.05	22x35 25x25	1.05
120										22x30 25x25	0.93	22x35 25x25	1.15	22x40 25x30	1.21
150								22x25	1.10	22x35 25x30	1.16	22x40 25x30	1.25	22x45 25x35	1.44
220				22x20	1.12	22x25 25x20	1.37	22x30 25x25	1.44	22x45 25x35	1.47	22x50 25x40	1.76	25x45 30x40	1.77
330				22x25 25x20	1.45	22x30 25x25	1.88	22x35 25x30	1.93	25x50 30x40	1.99	30x40 35x30	2.30	30x45 35x40	2.79
470				22x30 25x25	1.83	22x40 25x30	2.25	22x45 25x35	2.39	30x50 35x40	2.44	35x45	2.82	35x50	2.92
560				22x35 25x30	2.03	22x40 25x30	2.57	25x40 30x35	2.81	35x45	3.29	35x50	3.36	35x55	3.15
680	22x25	1.54		22x35 25x30	2.37	22x50 25x40	2.84	25x50 30x40	3.22	35x50	3.44	35x50	3.50		
820	22x25 25x20	1.88		22x40 25x35	2.75	25x45 30x35	3.35	30x45 35x40	3.51	35x50	3.58	35x60	3.83		
1000	22x30 25x25	1.94		25x40 30x35	3.22	25x50 30x40	3.79	30x50 35x45	3.94	35x55	3.89	35x65	4.20		
1200	22x30 25x25	2.11		25x40 30x35	3.41	25x50 30x40	4.08	30x50 35x45	4.45						
1500	22x35 25x30	2.47		30x45 35x35	3.96	30x50 35x40	5.02	35x50	5.36						
2200	22x45 25x40	3.15		35x45	4.68	35x50	6.09								
2700	25x45 30x35	3.72		30x50	5.35										
3300	25x50 30x40	4.06													
3900	30x45 35x35	4.55													
4700	30x50 35x40	5.12													
6800	35x50	5.85													