

LZ series

- Snap-in type, 105°C 2000 hours standard product.
- High temp. and high ripple current resistance.
- Suitable for computer equipment, inverter air conditioner etc.
- RoHS Compliance
- 基板自立 105°C 2000小時標準品。
- 耐高溫、高紋波。
- 適用於電腦設備、變頻空調等。



SPECIFICATIONS

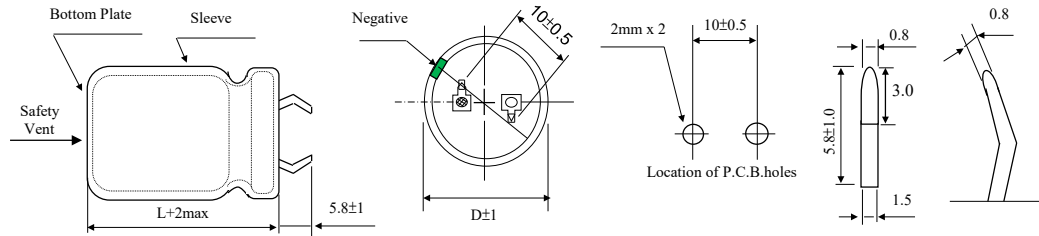
Items 項目	Characteristics 特性										
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20℃)										
Operating Temperature Range 適用溫度範圍	-40 ~ +105℃					-25 ~ +105℃					
Rated Voltage Range 額定電壓範圍	10 ~ 250VDC					315 ~ 500VDC					
Leakage Current 洩漏電流	I ≤ 3√CV (μA) (After 5 minutes application of DC rated voltage, at 20 °C)										
Dissipation Factor 散逸因素(tan δ)	Measurement Frequency: 120Hz. Temperature: 20℃										
	Rated Voltage(V)	10	16	25	35	50	63	80	100	160~250	315~500
	tan δ(Max)	0.45	0.40	0.35	0.30	0.25	0.25	0.20	0.20	0.15	0.20
	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		16	25	35	50	63~100		160~250	315~500
	Z(-25℃)/Z(20℃)	6		6	4	4	4	4		4	8
	Z(-40℃)/Z(20℃)	16		15	10	10	8	6		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 105℃.										
	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 105℃ 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 ± 15% of Initial Value								
	tan δ		200% 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	100K
10 ~ 100	0.88	1.00	1.15	1.15	1.20
160 ~ 250	0.81	1.00	1.32	1.45	1.55
315 ~ 500	0.77	1.00	1.30	1.41	1.45

LZ series

DIMENSIONS(mm)



STANDARD RATINGS

DxL(mm), R.C.(A rms) at 105°C 120 Hz.

Cap (μF)	V Item	10		16		25		35		50	
		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.
1500										22x25	1.20
1800										22x30	1.40
2200										22x30	1.60
										25.4x25	1.60
2700										22x25	1.65
								22x25	1.21	22x35	1.73
3300								22x30	1.36	22x30	1.92
										25.4x25	1.76
3900						22x25	1.35	22x30	1.57	22x30	2.08
										25.4x25	2.04
4700						22x30	1.58	22x25	1.87	22x35	2.43
								25.4x25	1.77	25.4x30	2.50
										30x25	2.29
5600						22x30	1.75	22x25	2.04	22x40	2.63
						25.4x25	1.75	25.4x25	2.00	25.4x35	2.61
										30x25	2.80
6800				22x25	1.8	22x35	2.02	22x30	2.36	22x50	3.05
						25.4x30	2.02	25.4x25	2.21	25.4x40	2.94
										30x30	3.30
										35x25	2.77
8200				22x30	2.08	22x40	2.18	22x35	2.65	25.4x45	3.60
				25.4x25	2.08	25.4x35	2.18	25.4x30	2.49	30x35	3.60
								30x25	2.62	35x30	3.60
10000		22x25	1.88	22x35	2.15	22x45	2.48	22x40	3.00	25.4x50	4.00
				25.4x30	2.15	25.4x40	2.48	25.4x35	2.88	30x40	4.00
12000								30x25	2.90	35x30	4.00
		22x30	2.18	22x40	2.31	22x50	2.86	22x50	3.47	30x50	4.29
		25.4x25	2.18	25.4x30	2.31	25.4x45	2.86	25.4x35	3.15	35x35	4.37
								30x30	3.25		
15000								35x25	3.20		
		22x35	2.27	22x45	2.69	25.4x50	3.15	25.4x40	3.61	35x40	4.50
		25.4x30	2.27	25.4x35	2.69	30x40	3.15	30x35	3.78		
								35x25	3.60		
18000		22x40	2.41	22x50	3.2	30x45	3.55	25.4x50	4.14	35x50	5.30
		25.4x30	2.41	25.4x40	3.2	35x35	3.55	30x40	4.30		
								35x30	4.10		
22000		22x45	2.68	25.4x45	3.4	30x50	4.0	30x50	5.00		
		25.4x35	2.68	30x35	3.4	35x40	4.0	35x35	4.64		
27000		25.4x40	3.17	30x40	3.85	35x45	4.55	35x40	5.37		
		30x35	3.17	35x35	3.85						
33000		25.4x45	3.39	30x50	4.32	35x50	5.56	35x50	6.00		
		30x35	3.39	35x40	4.32						
39000		25.4x50	3.72	35x40	4.85						
		30x40	3.72								
47000		30x45	4.22	35x50	5.56						
		35x35	4.22	35x50	5.56						
56000		35x40	5.00								
68000		35x50	5.21								

LZ series

STANDARD RATINGS

DxL(mm), R.C : (A rms) at 105°C 120 Hz

Cap (μF)	V	63		80		100		160		180	
	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.
270								22x25	1.04		
330								22x30	1.26		
390								22x30	1.29		
								25.4x25	1.29	22x25	1.30
470								22x25	1.40	22x30	1.40
560						22x25	1.02	22x30	1.50	22x30	1.50
										25.4x25	1.50
680						22x30	1.12	22x30	1.70	22x35	1.70
								25.4x25	1.70	25.4x30	1.70
820				22x25	1.04	22x30	1.32	22x35	2.00	22x40	2.00
						25.4x25	1.32	25.4x30	2.00	25.4x30	2.00
								30x25	2.00	30x25	2.00
1000				22x30	1.21	22x35	1.45	22x40	2.20	22x45	2.20
						25.4x30	1.45	25.4x35	2.20	25.4x40	2.20
								30x25	2.20	30x30	2.20
						22x40	1.68			35x25	2.20
1200		25.4x25	1.21	22x35	1.29	25.4x35	1.68	25.4x40	2.30	25.4x45	2.30
				25.4x25	1.29			30x30	2.30	30x35	2.30
								35x25	2.30	35x30	2.30
1500		22x30	1.45	22x40	1.57	22x45	1.98	25.4x45	2.50	25.4x50	2.50
		25.4x25	1.45	25.4x30	1.57	25.4x40	1.98	30x35	2.50	30x40	2.50
								35x30	2.50	35x30	2.50
1800		22x35	1.59	22x45	1.72	25.4x45	2.23	25.4x50	2.70	30x45	2.70
		25.4x30	1.59	25.4x35	1.72	30x35	2.23	30x40	2.70	35x35	2.70
								35x30	2.70		
2200		22x40	1.84	25.4x40	2.01	25.4x50	2.53	30x45	2.90	30x50	2.90
		25.4x30	1.84	30x30	2.01	30x40	2.53	35x35	2.90	35x40	2.90
2700		22x45	2.12	25.4x45	2.32	30x45	2.82	30x50	3.10	35x50	3.10
		25.4x35	2.12	30x35	2.32	35x35	2.82	35x40	3.10		
3300		25.4x40	2.3	30x40	2.62	30x50	3.32	35x50	3.30		
		30x30	2.3	35x30	2.62	35x40	3.32				
3900		25.4x45	2.42	30x45	2.84	35x45	3.62				
		30x35	2.42	35x35	2.84						
4700		25.4x50	2.91	30x50	3.29	35x50	3.80				
		30x40	2.91								
5600											
		30x45	3.18	35x45	3.82						
		35x35	3.18								
6800											
		30x50	3.54	35x50	3.92						
		35x40	3.54								
8200		35x45	3.82	35x50	4.05						
10000		35x50	4.50	35x55	4.85						

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STANDARD RATINGS

DxL(mm), R.C : (A rms) at 105°C 120 Hz

Cap (μ F)	V	200		250		315		350	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
82								22x25	0.60
100								22x30	0.69
120								22x25	0.75
150				22x25	0.76	22x25	0.82	22x30	0.82
180				22x30	0.98	22x30	0.90	22x30	0.90
								25.4x25	0.90
220		22x25	0.82	22x25	1.00	22x30	1.00	22x35	1.00
						25.4x25	1.00	25.4x30	1.00
270		22x30	1.07	22x25	1.10	22x35	1.10	22x40	1.10
						25.4x30	1.10	25.4x30	1.10
								30x25	1.10
330		22x30	1.28	22x30	1.20	22x45	1.20	22x45	1.20
		25.4x25	1.28	25.4x25	1.20	25.4x35	1.20	25.4x40	1.20
						30x25	1.20	30x30	1.20
390		22x25	1.31	22x35	1.30	22x 45	1.30	25.4x45	1.30
		25.4x30	1.31	25.4x25	1.30	25.4x40	1.30	30x35	1.30
						30x30	1.30	30x45	1.30
						35x25	1.30	35x40	1.30
470		22x30	1.45	22x40	1.40	25.4x45	1.40	25.4x50	1.40
				25.4x30	1.40	30x35	1.40	30x35	1.40
				30x25	1.40	35x25	1.40	35x30	1.40
560		22x30	1.67	22x45	1.50	25.4x50	1.50	30x45	1.50
		25.4x25	1.67	25.4x35	1.50	30x40	1.50	35x35	1.50
				30x25	1.50	35x30	1.50		
680		22x40	1.75	22x50	1.70	30x45	1.70	30x50	1.70
		25.4x30	1.75	25.4x40	1.70	35x35	1.70	35x40	1.70
				30x30	1.70			35x50	1.80
				35x25	1.70				
820		22x45	2.04	25.4x45	2.00	30x50	2.00	35x45	1.90
		25.4x35	2.04	30x35	2.00	35x40	2.00	35x65	2.35
		30x25	2.04	35x30	2.00				
1000		22x50	2.30	30x40	2.20	35x45	2.30		
		25.4x45	2.30	35x30	2.20				
		30x30	2.30						
		35x25	2.30						
1200		25.4x50	2.65	30x45	2.30				
		30x35	2.65	35x35	2.30				
		35x30	2.65						
1500		30x40	2.80	35x45	2.50				
		35x30	2.80						
1800		30x45	3.08	35x50	2.70				
		35x40	3.08						
2200		35x45	3.48						

LZ series

STANDARD RATINGS

DxL(mm), R.C : (A rms) at 105°C 120 Hz

Cap (μF)	V	400		420		450		500	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
68		22x25	0.52			22x25	0.50	22x40	0.56
82		22x30	0.66	22x25	0.64	22x30	0.56	25x35	0.68
100		22x25	0.70	22x25	0.66	22x30	0.64	25.4x35	0.78
		25.4x25	0.72	25.4x25	0.66	25.4x25	0.64		
120		22x30	0.75	22x30	0.81	22x35	0.72	25.4x45	0.85
		25.4x30	0.75	25.4x25	0.81	25.4x30	0.72		
150		22x30	0.88	22x35	0.84	22x40	0.79	25.4x50	1.01
		25.4x25	0.88	25.4x30	0.84	25.4x30	0.79	30x40	1.01
		25.4x35	0.89	30x25	0.84	30x25	0.79		
180		22x35	0.95	22x40	0.91	22x 45	0.87	30x45	1.21
		25.4x30	0.95	25.4x30	0.91	25.4x40	0.87	35x35	1.21
				30x25	0.91	30x30	0.87		
220		22x45	1.10	22x45	1.05	25.4x45	1.00	30x45	1.35
		25.4x35	1.10	25.4x35	1.05	30x30	1.00	35x40	1.35
		30x25	1.10	30x30	1.05	35x25	1.00		
				35x25	1.05				
270		22x50	1.22	25.4x40	1.25	25.4x50	1.19	35x45	1.53
		25.4x40	1.22	30x30	1.25	30x40	1.19		
		30x30	1.22	35x25	1.25	35x30	1.19		
		35x25	1.22						
330		25.4x45	1.44	25.4x50	1.42	30x45	1.38	35x50	1.75
		30x35	1.44	30x35	1.42	35x35	1.38		
		35x30	1.44	35x30	1.42				
390		25.4x50	1.55	30x40	1.61	30x50	1.55		
		30x40	1.55	35x35	1.61	35x40	1.55		
		35x30	1.55						
470		30x45	1.68	30x45	1.86	35x45	1.74		
		35x35	1.68	35x40	1.86				
560		30x50	1.90	35x45	2.10	35x50	1.90		
		35x40	1.90						
680		35x45	2.12	35x50	2.20				
820		35x65	2.50						