

HZ series

NEW

- Long-Life version of LZ series.
- Endurance with ripple current: 105°C 3000 hours.
- RoHS Compliance.
- 壽命在LZ系列上提升
- 105°C 耐高溫、耐紋波、高信賴度。



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 ~ +105°C						-25 ~ +105°C					
Rated Voltage Range 工作電壓範圍	16 ~ 250V						350 ~ 450V					
Leakage Current 洩漏電流	I ≦ 3√CV (After 5 minutes application of working voltage)											
Dissipation Factor 散逸因素 (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C											
	Rated Voltage (V)	16	25	35	50	63	80	100	160	200~250	350~450	
	tan δ (Max)	0.5	0.45	0.40	0.35	0.3	0.25	0.20	0.15	0.15	0.20	
	When the capacitance exceed 1,000μF, 0.01 shall be added every 1,000μF increase											
Low Temperature Stability 低溫特性 Impedance Ratio (Max) 阻抗比率 (最大值)	Measurement Frequency: 120Hz.											
	Rated Voltage (V)	16	25	35	50	63	80	100	160~250	350~450		
	Z (-25°C) / Z (20°C)	6	6	4	4	4	4	4	4	8		
	Z (-40°C) / Z (20°C)	16	15	10	10	8	6	6	15	-		
Load Life 負荷壽命	3000hours, with application of working voltage at 105°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	1,000hours, no voltage applied, at 105°C 。 After Test: UR to be applied for 30 minutes, 24 to 48hours before measurement.											
	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	JIS C 5141 and JIS C 5102											

PERMISSIBLE RIPPLE CURRENT

Temperature Coefficient

TEMP (°C)	45	60	85	105
Coefficient	2.50	2.20	1.65	1.00

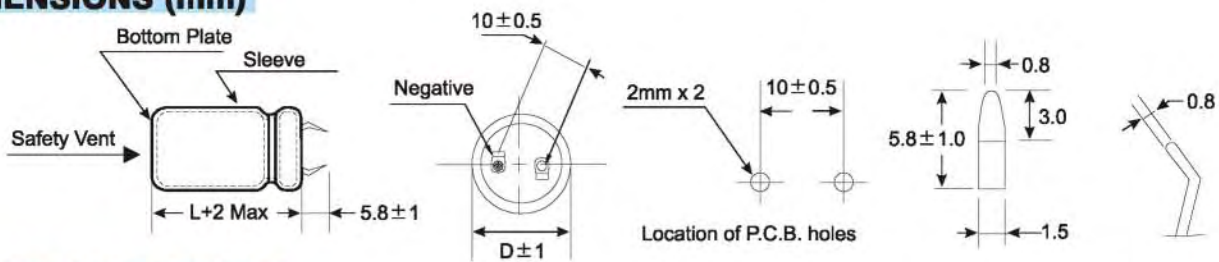
Frequency Coefficient

Working Voltage (V)	Frequency (Hz)				
	50	120	1K	10K	100K
16 ~ 100	0.88	1.00	1.05	1.10	1.15
160 ~ 250	0.85	1.00	1.20	1.30	1.50
350 ~ 450	0.88	1.00	1.20	1.25	1.40

HZ series

NEW

DIMENSIONS (mm)



STANDARD RATINGS

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

Cap (μF)	WV(V) (Code)	16 (1C)		25 (1E)		35 (1V)		50 (1H)		63 (1J)		80 (1K)		100 (2A)	
	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.
560														20x25	0.95
680														20x30	1.15
820												20x25	1.04	20x35	1.32
1000										20x25	1.35	20x30 22x25	1.24	20x35 22x30	1.47
1500								20x25	1.02	20x30 22x25	1.47	22x35 22x30	1.59	22x40 25x35	1.98
2200								20x30 22x25	1.60	20x40 22x35	1.82	22x40 25x30	2.03	25x45 30x35	2.55
2700						20x25	1.29	20x35 22x30	1.73	22x35 25x30	2.11	22x45 25x35	2.39	25x50 30x40	2.89
3300						20x30	1.57	20x40 22x35	1.97	22x45 25x35	2.33	25x40 30x35	2.64	30x45 35x35	3.30
3900				20x25	1.65	22x30 22x25	1.78	22x40 25x30	2.22	22x50 25x40	2.55	25x50 30x35	2.97	30x50 35x40	3.67
4700				20x25	1.75	20x35 22x30	2.02	22x45 25x35	2.43	25x45 30x35	2.97	30x40 35x35	3.38	35x45	3.80
6800		20x25	1.5	20x35 22x30	2.11	22x40 25x30	2.41	25x45 30x35	3.3	30x40 35x35	3.65	35x45	4.10	35x50	4.05
8200		20x30	1.7	20x40 22x30	2.34	22x45 25x35	2.85	25x50 30x40	3.60	30x50 35x40	4.04	35x50	4.30		
10000		20x35 22x30	1.85	22x35 25x30	2.65	22x50 25x40	3.05	30x45 35x35	4.05	35x45	4.48				
12000		20x40 22x30	2.01	22x40 25x30	2.81	25x45 30x35	3.37	30x50 35x40	4.56	35x50	4.75				
15000		22x35 25x30	2.39	22x45 25x35	3.13	25x50 30x40	3.72	35x50	4.77						
18000		22x40 25x30	2.90	25x40 30x30	3.56	30x45 35x35	4.37								
22000		22x45 25x35	3.10	25x50 30x35	4.04	30x50 35x40	4.92								
27000		22x50 25x40	3.55	30x45 35x35	4.74	35x50	5.30								
33000		25x45 30x35	4.05	30x50 35x40	5.5										
39000		25x50 30x40	4.55	35x45	5.80										
47000		30x45 35x40	5.36	35x50	6.30										
56000		30x50 35x45	5.6												
68000															

HZ series

NEW

STANDARD RATINGS

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

Cap (μ F)	WV(V) (Code)	160 (2C)		200 (2D)		250 (2E)		350 (2V)		400 (2G)		450 (2W)	
		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	0.45	22x25	0.43
68										22x25	0.50	22x30	0.50
82								22x30	0.55	22x25	0.65	22x30 25x25	0.60
100								22x30 22x25	0.6	22x30 25x25	0.68	22x35 25x30	0.70
120								22x30 25x25	0.75	22x35 25x25	0.70	22x40 25x30	0.78
150						22x25	0.65	22x35 25x30	0.83	22x40 25x30	0.85	22x45 25x35	0.89
220		20x25	1.1	20x25	1.00	20x30 22x25	1.00	22x45 25x35	1.05	22x50 25x40	1.05	25x45 30x35	1.15
330		20x30 22x25	1.21	20x30	1.25	20x40 22x35	1.20	25x45 30x35	1.35	30x40 35x30	1.35	30x50 35x40	1.45
390		20x30 22x25	1.3	22x30 25x25	1.31	22x40 25x30	1.35	25x50 30x40	1.52	30x45 35x35	1.75	35x40	1.65
470		20x35 22x30	1.41	22x35 25x30	1.45	22x45 25x35	1.57	30x45 35x35	1.65	35x40	1.85	35x50	1.85
560		20x40 22x35	1.54	22x40 25x30	1.60	22x50 25x40	1.80	30x50 35x40	1.90	35x45	2.05		
680		20x45 22x40	1.74	22x45 25x35	1.78	25x45 30x35	2.00	35x45	2.00	35x50	2.45		
820		20x45 25x35	2.00	22x50 25x40	1.95	25x50 30x40	2.18	35x65	2.30				
1000		22x50 25x40	2.25	25x45 30x35	2.30	30x45 35x35	2.35						
1200		25x45 30x35	2.49	30x40 35x35	2.65	35x40	2.50						
1500		30x40 35x30	2.84	30x50 35x40	3.08	35x50	3.00						
2200		35x45	3.50	35x50	3.55								
2700		35x50	4.00										