

Aluminum Electrolytic Capacitors

LZ Series

- 105°C high temperature resistance and ripple current resistance, high reliability.
- Suitable for wave filtering return circuit for power of equipment, such as: computer.
- 105°C耐高溫、耐紋波、高信頼度。
- 適用於如電腦之類設備的電源濾波迴路。



SPECIFICATION

Item 項目	Character 特性
Capacitance Tolerance 容量容許差	±20% (120Hz, 20°C)
Operating temperature Range 適用溫度範圍	-40°C~+105°C -25°C~+105°C
Voltage Range 工作電壓範圍	10V~250V 350V~450V
Leakage Current 洩漏電流	$I \leq 0.03CV$ or $3000(\mu A)$, which is greater. (After 5 minutes application of working voltage)
Dissipation Factor 散逸因素 (損失角) (tan δ)	Measurement Frequency: 120 Hz. Temperature: 20°C Rate Voltage (V) 10 16 25 35 50 63 100 160~250 350~450 tan δ (MAX) 0.45 0.40 0.35 0.30 0.25 0.25 0.20 0.15 0.20 Add 0.02 per 1000 μF for more than 1000 μF
Low Temperature Stability 低溫特性 Impedance Ratio 阻抗比率 (MAX)	Measurement Frequency: 120 Hz. Rate Voltage (V) 10 16 35 50 63~100 160~250 350~450 Z(-25°C) / Z(20°C) 6 6 4 4 4 4 8 Z(-40°C) / Z(20°C) 16 15 10 8 6 15 -
Load Life 負荷壽命	2000 hours, 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	500 hours, no voltage applied, at 105°C Capacitance Change Within ±15% of Initial Value tan δ 200% or less of Initial Specified Value Leakage Current Initial Specified Value or less
Standards 標準參考	JIS C 5141 and JIS C 5102

RIPPLE CURRENT COEFFICIENTS

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

Frequency coefficient of allowable ripple current

WV(V)	Frequency (Hz)				
	50	120	1K	10K	100K
10~100	0.88	1.00	1.15	1.15	1.20
160~250	0.85	1.00	1.15	1.20	1.20
350~450	0.88	1.00	1.10	1.15	1.20

• DIMENSIONS (mm)

D x L(mm); R.C:(A rms) at 105°C, 120Hz : IMP:(Ω).

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• DIMENSIONS(mm)

D x L(mm); R.C:(Arms) at 105°C, 120Hz;IMP:(Ω).

Cap (μ F)	WV (SV)	63 (79)			80 (100)			100 (125)			160 (200)			200 (250)		
	Item	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP
220														22x25	0.82	0.906
270											22x25	0.93	0.738	22x30	0.96	0.738
330											22x30	1.06	0.605	25x25	1.08	0.605
390											22x30			22x35		
											25x25	1.18	0.514	25x30	1.19	0.514
470											22x35			22x40		
											25x30	1.31	0.426	25x30	1.33	0.426
560								22x25	1.02	0.476	22x40			22x45		
								25x30	1.47	0.357	25x30	1.47	0.357	25x35	1.50	0.356
680								22x30	1.12	0.393	22x45			25x40		
								25x35	1.52	0.294	25x35	1.52	0.294	30x30	1.65	0.293
820					22x25	1.01	0.326	22x30			22x50			25x50		
					25x25	1.23	0.324	25x25	1.23	0.324	25x40	1.78	0.246	30x35	1.88	0.245
1000								22x35			25x45			30x45		
					22x30	1.15	0.275	25x30	1.44	0.268	30x35	2.07	0.202	35x35	2.12	0.202
1200					22x35			22x40			30x40			30x50		
	22x25	1.12	0.276	25x25	1.28	0.227	25x35	1.66	0.223	35x35	2.25	0.168	35x40	2.36	0.167	
1500	22x30			22x40			22x45			30x50						
	25x25	1.31	0.223	25x30	1.47	0.186	25x40	1.87	0.177	35x40	2.65	0.138	35x45	2.71	0.134	
1800	22x35			22x45			25x45									
	25x30	1.46	0.187	25x35	1.65	0.155	30x35	2.11	0.148	35x45	3.02	0.112				
2200	22x40			25x40			25x50									
	25x30	1.58	0.158	30x30	1.91	0.133	30x40	2.42	0.123	35x50	3.50	0.093				
2700	22x45			25x45			30x45									
	25x35	1.94	0.126	30x35	2.18	0.099	35x35	2.76	0.098							
3300	25x40			30x40			30x50									
	30x30	2.16	0.102	35x30	2.46	0.086	35x40	3.12	0.081							
3900	25x45			30x45												
	30x35	2.40	0.087	35x35	2.68	0.070	35x45	3.46	0.068							
4700	25x50															
	30x40	2.71	0.075	30x50	3.06	0.068	35x50	3.75	0.058							
5600	30x45															
	35x35	3.08	0.060	35x45	3.43	0.048										
6800	30x50															
	35x40	3.42	0.050	35x50	3.90	0.038										
8200																
	35x45	3.78	0.042													

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

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■ DIMENSIONS(mm)

D x L(mm); R.C:(A rms) at 105°C, 120Hz;IMP:(Ω)

Cap (μF)	WV (SV)	250 (300)			350 (400)			400 (450)			450 (500)		
	Item	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP
68								22x25	0.48	4.880	22x35 25x30	0.55	4.880
82					22x25	0.54	3.233	22x30 25x25	0.56	4.047	22x35 25x30	0.65	4.047
100					22x30 25x25	0.60	2.654	22x35 25x25	0.62	3.318	22x40 25x30	0.75	3.318
120					22x35 25x30	0.66	2.215	22x40 25x30	0.68	2.766	22x45 25x40	0.83	2.766
150	22x25	0.66	1.328		22x40 25x30	0.79	1.770	22x45 25x35	0.82	2.214	22x50 25x40	0.95	2.214
180	22x30	0.78	1.106		22x45 25x35	0.88	1.475	22x50 25x40	0.89	1.842	25x45 30x40	1.15	1.842
220	22x30 25x25	0.89	0.905		22x50 25x40	0.95	1.208	25x45 30x35	0.98	1.506	30x45 35x40	1.24	1.506
270	22x35 25x30	1.00	0.738		25x45 30x35	1.10	0.984	25x50 30x40	1.13	1.230	30x50 35x45	1.46	1.230
330	22x40 25x30	1.11	0.605		30x40 35x35	1.22	0.806	30x45 35x35	1.23	1.015	35x50	1.65	1.015
390	22x45 25x35	1.22	0.512		30x45 35x40	1.42	0.681	30x50 35x40	1.44	0.847			
470	22x50 25x40	1.36	0.425		35x45	1.62	0.567	35x45	1.65	0.710			
560	25x45 30x35	1.57	0.357		35x50	1.79	0.473	35x50	2.02	0.588			
680	25x50 30x40	1.77	0.294										
820	30x45 35x35	2.00	0.246										
1000	35x40	2.26	0.201										
1200	35x45	2.54	0.167										

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