LZ series

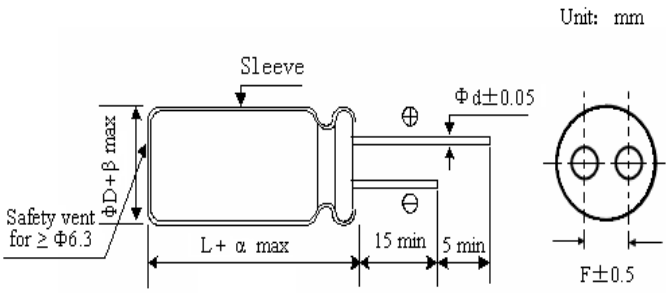
Features

- Lowest impedance for high ripple current. 2000 to 5000 hours at 105℃ .
- Suited for personal computer and storage equipment .
- RoHS Compliant .

Specifications

Item	Performance Characteristics
Temperature Range	-40~+105℃
Rate Voltage Range	6.3~50VDC
Capacitance Range	100~4700μF
Capacitance Tolerance	±20%（120Hz，+20℃）
Leakage current（+20℃,max.）	I≤0.01CV 或 3（μA） After 2 minutes, whichever is greater measured with rated working voltage applied
Dissipation factor（tgδ）	Working Voltage(VDC): 6.3 / 10 / 16 / 25 / 35 / 50 D.F (%) max.: 22 / 19 / 16 / 14 / 12 / 10 For capacitance>1000μF , Add 2% per another 1000μF (120Hz，+20℃)
Low Temperature Characteristics（120Hz）	Impedance ratio max. Working Voltage(VDC): 6.3 / 10 / 16 / 25 / 35 / 50 Z-25℃/ Z+20℃: 2 / 2 / 2 / 2 / 2 / 2 Z-40℃/ Z+20℃: 3 / 3 / 3 / 3 / 3 / 3
Load Life	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 the specified period of time at 105℃ Rated voltage: 6.3 to 10Vdc / 16 to 50Vdc Capacitance change: ≤±30% of the initial value / ≤±25% of the initial value D.F.(tgδ）: ≤200% of the initial specified value Leakage current: ≤The initial specified value ΦD: 6.3~50 WV 6.3: 2000 h 8: 3000 h 10: 4000 h 13: 5000 h
Shelf Life	After storing the capacitors under no load at 105℃ for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20℃, they shall meet the specified values for the load life characteristics listed above.
Others	JISC-5101(IEC 60384)

Diagram of Dimensions



Frequency Multipliers

Hz / μF	120	1K	10K	100K
<220	0.40	0.75	0.90	1.00
220~560	0.50	0.85	0.94	1.00
680~2200	0.60	0.87	0.95	1.00
＞2200	0.75	0.90	0.95	1.00

ΦD	5	6.3	8	10	13
F	2.0	2.5	3.5	5.0	5.0
Φd	0.5	0.5	0.5	0.6	0.6
α	(L< 20) + 1.5		(L≥20) + 2.0		
β	(D< 20) + 0.5		(D≥20) + 1.0		

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Standard Ratings

Voltage	6.3V			10V			16V		
Cap(μF)	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current
100									
220	6.3×11	0.130	405	6.3×11	0.130	405	8×12	0.072	760
330	6.3×11	0.130	405	8×12	0.072	760	8×12	0.072	760
470	8×12	0.072	760	8×12	0.072	760	8×16	0.056	995
							10×12	0.053	1030
560	8×12	0.072	760	8×12	0.072	760	10×12	0.053	1030
680	8×16	0.065	840	8×16	0.056	995	8×20	0.041	1250
				10×12	0.053	1030	10×17	0.038	1430
820	8×16	0.056	995	10×12	0.053	1030	10×17	0.038	1430
1000	10×12	0.053	1030	8×20	0.041	1250	10×20	0.023	1820
				10×17	0.038	1430			
1200	10×12	0.045	1240	10×20	0.023	1820	10×25	0.022	2150
1500	8×20	0.033	1410	10×20	0.022	1900	13×20	0.021	2360
1800	10×17	0.032	1650	10×20	0.020	1960	10×25	0.018	2250
2200	10×25	0.022	2150	13×20	0.021	2360	13×25	0.018	2770
2700	10×25	0.018	2250	13×20	0.017	2480			
3300	13×20	0.017	2480	13×25	0.015	2900			
3900	13×20	0.017	2480						
4700	13×25	0.015	2900						

Voltage	25V			35V			50V		
Cap(μF)	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current
100	6.3×11	0.130	405	8×12	0.072	760	8×12	0.075	730
220	8×12	0.072	760	8×16	0.056	995	10×17	0.045	1380
330	8×16	0.056	995	8×20	0.041	1250	10×25	0.032	1850
470	8×20	0.041	1250	10×20	0.023	1820	13×20	0.030	2000
680	10×20	0.023	1820	10×25	0.022	2150	13×25	0.026	2490
820	10×25	0.022	2150	13×20	0.021	2360	13×30	0.025	2770
1000	13×20	0.021	2360	13×25	0.018	2770	13×35	0.021	3010
1500	13×25	0.018	2770	13×35	0.016	3400			
2200	13×35	0.016	3400						

Max Allowable Ripple Current (mA,rms) at 105℃ 100KHz, Max Impedance(Ω) at 20℃ 100 KHz,Case Size ΦD×L(mm).

Above size is the standard size for our product. If you need special size please contact our sales offices.