

Snap mount type aluminum electrolytic capacitors ZL Series 500V — Useful of 5,000 hours at 105°C



Features

UPGRADE!

- The ZL series is the miniaturization products of 5,000 hours.
- The size is reduced by about 15% of current series.
- Conform RoHS

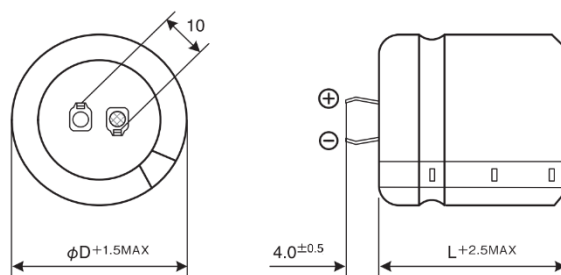
Product Specifications

Items	Specifications
Temperature range	-25~+105°C
Rated voltage	500V.DC
Surge voltage	550V.DC
Capacitance tolerance	±20% (20°C、120Hz)
tanδ	Max. 0.20 (20°C、120Hz)
Leakage current	0.02CV(μA) or 3(mA), whichever is smaller or less (20°C, after 5 minutes) C=nominal capacitance(μF)、V=rated voltage(V)
Endurance	After the rated voltage with specified ripple current is applied at 105°C for 3,000 hours. Capacitance change : Within ±20% of the initial value measures Dissipation factor : 200% or less than the initial value specified Leakage current : Less than or equal to the initial value specified

Standard Products Table

Rated Voltage (V. DC)	Capacitance (μF)	Case size φD × L (mm)	Ripple current (Arms) 105°C, 120Hz	ESR (typ.) (mΩ) 20°C, 100Hz	Product name
500	180	25 × 35	0.98	540	ZL2H181MCYS4WPEC
		25 × 45	1.17	440	ZL2H221MCYS6WPEC
	220	30 × 30	1.09	440	ZL2H221MCZS3WPEC
		35 × 25	1.07	440	ZL2H221MCAS2WPEC
270	270	25 × 50	1.34	360	ZL2H271MCYS7WPEC
		30 × 35	1.26	360	ZL2H271MCZS4WPEC
		35 × 30	1.25	360	ZL2H271MCAS3WPEC
330	330	30 × 45	1.50	290	ZL2H331MCZS6WPEC
		35 × 35	1.44	290	ZL2H331MCAS4WPEC
390	390	30 × 50	1.69	290	ZL2H391MCZS7WPEC
		35 × 40	1.62	250	ZL2H391MCAS5WPEC
470	470	35 × 45	1.84	210	ZL2H471MCAS6WPEC
560	560	35 × 50	2.07	180	ZL2H561MCAS7WPEC

■ Dimensions



■ Temperature correction coefficient

Temperature (°C)	60	70	85	105
Correction coefficient	1.9	1.7	1.4	1.0

■ Frequency correction coefficient

Frequency (Hz)	50/60	120	300	1K	10K≤
Correction coefficient	0.7	1.0	1.1	1.3	1.4

Contact us

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