

Snap mount type aluminum electrolytic capacitors ZL Series 550V — Useful of 5,000 hours at 105°C



Features

- The ZL series is the miniaturization products of 5,000 hours.
- Rating 550V.DC is added in the series.
- Conform RoHS

Product Specifications

Items	Specifications
Temperature range	-25~+105°C
Rated voltage	550V.DC
Surge voltage	600V.DC
Capacitance tolerance	±20% (20°C, 120Hz)
tanδ	Max. 0.25 (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
550	82	30 × 25	0.59	2,920	ZL2L820MCZS2WPEC
		30 × 30	0.77	1,990	ZL2L121MCZS3WPEC
120	120	35 × 25	0.80	1,990	ZL2L121MCAS2WPEC
		30 × 35	0.91	1,600	ZL2L151MCZS4WPEC
150	150	35 × 30	0.96	1,600	ZL2L151MCAS3WPEC
		30 × 40	1.05	1,330	ZL2L181MCZS5WPEC
180	180	35 × 35	1.11	1,330	ZL2L181MCAS4WPEC
		30 × 50	1.26	1,090	ZL2L221MCZS7WPEC
220	220	35 × 40	1.29	1,090	ZL2L221MCAS5WPEC
		270	35 × 45	1.50	890
330	330	35 × 50	1.73	730	ZL2L331MCAS7WPEC
390	390	35 × 60*	2.00	620	ZL2L391MCAS9WPEC

*When this capacitor is mounted on printed circuit board, reinforce it with any mounting adhesives.

Temperature

Temperature (°C)	60	70	85	105
Correction coefficient	1.7	1.5	1.3	1.0

Frequency

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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