

Snap Mount Type Aluminum Electrolytic Capacitor

ZG series useful life 105°C-5,000hours Conform RoHS

NEW!



Features

- ◇ Achieves high-ripple performance at a rated voltage of 500 V. Suitable for applications requiring enhanced high-voltage endurance.
- ◇ Provides more than a 60% increase in ripple capability compared with our conventional ZL series.
- ◇ The development of a new electrolyte and the adoption of a high-heat-dissipation structure ensure stable quality and high reliability.

Product Specifications

Items	Specifications
Temperature range	-25~+105°C
Rated voltage	500V.DC
Capacitance tolerance	±20% (20°C, 120Hz)
Dissipation factor	Max. 0.20 (20°C, 120Hz)
Leakage current	0.02CV (µA) or 3mA, 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 3000 hours : Capacitance change : Within ±20% of the initial value measured 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, 300Hz	Rated Voltage (V. DC)	Capacitance (µF)	Case size φD×L(mm)	Ripple current (Arms) 105°C, 300Hz
500	150	30×30	1.82	500	330	30×60	3.26
	180	30×35	2.10			35×41	2.74
	220	30×40	2.19			35×46	3.09
		30×45	2.50		390	35×51	3.50
		35×31	2.06			470	35×61
	270	30×50	2.85				
35×36		2.39					

Ripple current correction coefficient

Temperature (°C)	60	70	85	105
correction coefficient	1.9	1.7	1.4	1

Frequency (Hz)	300	1k	≥10k
correction coefficient	1.00	1.23	1.38

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