

Snap Mount Type Aluminum Electrolytic Capacitor

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



Features

NEW!

- ◇ Increased allowable ripple current by 30% from conventional ZLR series
- ◇ Applicable for ambient temperature -40°C
[Improved lowest operation temperature from ZLR (-25°C)]
- ◇ Developed new special anode foil and high reliability electrolyte

Product Specifications

Items	Specifications
Temperature range	-40~+105°C
Rated voltage	400, 450V.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, 120Hz	Rated Voltage (V. DC)	Capacitance (µF)	Case size φD × L (mm)	Ripple current (Arms) 105°C, 120Hz
400	180	30 × 25	1.50	450	150	30 × 25	1.25
	220	30 × 30	1.82		180	30 × 30	1.50
	270	30 × 35	2.11		220	30 × 35	1.83
		35 × 25	2.02			35 × 25	1.83
	330	30 × 40	2.43		270	30 × 40	2.21
		35 × 30	2.35			35 × 30	2.14
	390	30 × 45	2.73		330	30 × 45	2.52
		35 × 35	2.67			35 × 35	2.47
	470	30 × 50	3.09		390	30 × 50	2.83
35 × 40		3.04	35 × 40	2.78			
560	35 × 45	3.43	470	35 × 45	3.16		
680	35 × 50	3.90	560	35 × 50	3.55		

Ripple Current Correction Coefficient

Temperature (°C)	60	70	85	105	Frequency (Hz)	120	300	1k	≥10k
Correction coefficient	1.9	1.7	1.4	1	Correction coefficient	1	1.3	1.5	1.6

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