

Snap Mount Type Aluminum Electrolytic Capacitor

ZR2 series useful life 105°C-5,000hours Conform RoHS

NEW



Features

- ◇ Increased allowable ripple current by 15% from conventional ZR series
- ◇ Using new heat dissipation structure with the vent located on the side of case
- ◇ Developed highly reliable new electrolyte and used special anode foil

Product Specifications

Items	Specifications
Temperature range	-25~+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	220	30 × 30	2.14	450	180	30 × 30	1.87
	270	30 × 35	2.46		220	30 × 35	2.15
	330	30 × 40	2.81		270	30 × 40	2.42
		35 × 31	2.76			35 × 31	2.35
	390	30 × 45	3.14		330	30 × 45	2.72
		35 × 36	3.13			35 × 36	2.71
	470	30 × 50	3.52		390	30 × 50	3.02
		35 × 41	3.54			35 × 41	3.04
560	35 × 46	3.96	470	35 × 46	3.42		
680	35 × 51	4.45	560	35 × 51	3.81		

Ripple Current Correction Coefficient

Temperature (°C)	60	70	85	105	Frequency (Hz)	120	300	1k	≥10k
Correction coefficient	1.9	1.7	1.4	1.0	Correction coefficient	1.0	1.3	1.5	1.6
Forced wind (m/s)	<0.5	≥0.5							
Correction coefficient	1.0	1.1							

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