

PART
NUMBER:



687RZM035M1320

RADIAL LEAD HIGH FREQUENCY/ LOW IMPEDANCE

FEATURES

Parts are RoHS compliant

Date code when parts became RoHS 2006-08-20

Capacitance: 680 uF

Dissipation Factor: 0.14 Max at 120 Hz and 20°C

Temperature Range: -55°C to +105°C

ESR: 0.341 Ohms Max at 20°C and 120 Hz

Impedance: 0.065 Ohms 100 kHz 20°C

0.195 Ohms 100 kHz -10°C

Tolerance: -20 % , +20 %

WVDC: 35 Volts DC

SVDC: 44 Volts DC

Ripple Current: 1150 mA at 100 kHz and 105°C

Impedance Ratios:

-55°C/20°C - 4

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Leakage Current: .03CV or 4uA, whichever is greater

714 uA after 1 Minute

.01CV or 3uA, whichever is greater

238uA after 2 Minutes

Load Life: 3000 hours at 105°C with 100 % of rated voltage and with 100 % of rated ripple current

Capacitance Change: ≤20% of initial measured value

Dissipation Factor: ≤200% of maximum specified value

Leakage Current: ≤100% of maximum specified value

Ripple Current Multipliers

Frequency Multipliers:

50 Hz	120 Hz	400 Hz	1 kHz	10 kHz	100 kHz
0.68	0.83	0.9	0.96	1	1

Temperature Multipliers:

45°C	60°C	70°C	65°C	75°C	85°C	105°C	125°C
2	1.9	1.7	1.8	1.4	1.4	1	0

PHYSICAL DIMENSIONS

Diameter (D): 12.5 mm + 0.8 mm

Length (L): 20 mm + 2 mm

Lead Spacing (S): 5 mm +/- 0.5 mm

Coating: Black PET sleeving

Lead Wire Diameter (d): 0.6 mm +/- 0.05 mm

Lead Length: 15 mm +/- MIN mm

Lead Finish: Matte Tin

