

PART NUMBER: 687AVG025MGBJ

RADIAL LEAD ALUMINUM POLYMER CAPACITORS

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 680 μ F

Dissipation Factor: 0.12 Max at 120 Hz and 20°C

Temperature Range: -55°C to +125°C

ESR: 0.29256 Ohms Max at 20°C and 120 Hz

16 mOhms Max at 20°C and 100 - 300kHz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 25 Volts DC

SVDC: 28.75 Volts DC

Ripple Current: 4700 mA at 100 kHz and 105°C

1880mA at 100 kHz and 125°C

Impedance Ratios: -25°C/20°C $\leq$ 1.15

-55°C/20°C $\leq$ 1.25

Leakage Current: 0.2CV

3400 μ A after 2 Minutes

Load Life: 1500 hours at 125°C with 100 % of rated voltage and with % of rated ripple current

Capacitance Change: $\leq$ 30% of initial measured value

Dissipation Factor Change: $\leq$ 300% of maximum specified value

ESR Change: $\leq$ 300%

Leakage Current: $\leq$ 100% of maximum specified value

Ripple Current Multipliers

Frequency Multipliers:

50 Hz	120 Hz	400 Hz	1 kHz	10 kHz	100 kHz
0	0	0	0	0	0

Temperature Multipliers:

45°C	60°C	70°C	65°C	75°C	85°C	105°C	125°C
1	1	1	1	1	1	1	1

PHYSICAL DIMENSIONS

Diameter (D): 10 mm + 0.5 mm

Length (L): 12 mm + 1.5 mm

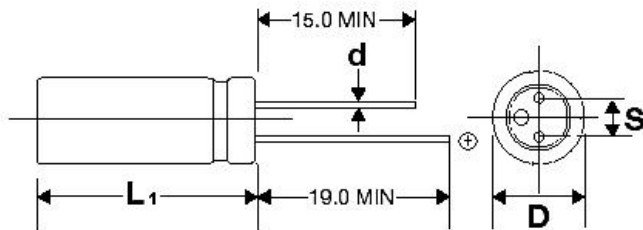
Lead Spacing (S): 5 mm +/- 0.5 mm

Coating: clear laminate sleeving

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

Lead Length: 15 mm +/- Min mm

Lead Finish: Matte Tin



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