

107ALG050MFBJ

RADIAL LEAD ALUMINUM POLYMER CAPACITORS

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 100 μ F

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

Temperature Range: -55°C to +125°C

ESR: 1.9894 Ohms Max at 20°C and 120 Hz

Impedance: 27 milliohm Max at 20°C and 100 KHz

Tolerance: -20 %, +20 %

WVDC: 50 Volts DC

SVDC: 57.5 Volts DC

Ripple Current: 2700 mA at 100 kHz and 105°C

1080mA at 100 kHz and 125°C

Impedance Ratios: -25°C/20°C $\leq$ 1.15 and -55°C/20°C $\leq$ 1.25

Leakage Current: 0.2CV

1000 μ A after 2 Minutes

Load Life: 1500 hours at 125°C with 100 % of rated voltage and with 0 % 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
0.05	0.05	0.05	0.3	0.7	1

Temperature Multipliers:

45°C	60°C	70°C	65°C	75°C	85°C	105°C	125°C
1.9	1.9	1.9	1.9	1.75	1.75	1.4	1

PHYSICAL DIMENSIONS

Diameter (D): 8 mm + 0.5 mm

Length (L): 12 mm + 1.5 mm

Lead Spacing (S): 3.5 mm +/- 0.5 mm

Coating: clearlamine sleeve

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

Lead Length: 15 mm +/- Min mm

Lead Finish: Matte Tin



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