

# PART NUMBER: 127AVG050MFBJ

RADIAL LEAD ALUMINUM POLYMER CAPACITORS

Parts are RoHS compliant

## ELECTRICAL SPECIFICATIONS

Capacitance: 120  $\mu$ F

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

Temperature Range: -55°C to +125°C

ESR: 1.6579 Ohms Max at 20°C and 120 Hz

32 mOhms Max at 20°C and 100 - 300kHz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 50 Volts DC

SVDC: 57.5 Volts DC

Ripple Current: 2250 mA at 100 kHz and 105°C

900mA 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

1200  $\mu$ A after 2 Minutes

Load Life: 2000 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): 8 mm + 0.5 mm

Length (L): 12 mm + 1.5 mm

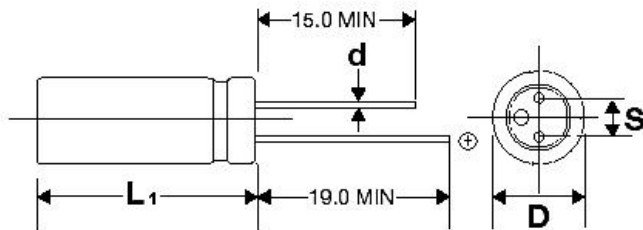
Lead Spacing (S): 3.5 mm +/- 0.5 mm

Coating: clear laminate sleeving

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

Lead Length: 15 mm +/- Min mm

Lead Finish: Matte Tin



3757 W. Touhy Ave. Lincolnwood, IL 60712 (847)-675-1760 FAX (847)-673-2850  
Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, [www.ilcap.com.hk](http://www.ilcap.com.hk)  
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