

## 227ULR035MGU

RADIAL LEAD ALUMINUM POLYMER CAPACITORS

Parts are RoHS compliant

### ELECTRICAL SPECIFICATIONS

**Capacitance:** 220  $\mu$ F

**Dissipation Factor:** 0.1 Max at 120 Hz and 20°C

**Temperature Range:** -55°C to +105°C

**ESR:** 0.75 Ohms Max at 20°C and 120 Hz

**Impedance:** 50 milliohm Max at 20°C and 100 KHz

**Tolerance:** -20 %, +20 %

**WVDC:** 35 Volts DC

**SVDC:** 40.25 Volts DC

**Ripple Current:** 2500 mA at 100 kHz and 105°C

N/A

**Impedance Ratios:** -55°C/20°C  $\leq$  1.25 and +105°C/20°C  $\leq$  1.25

**Leakage Current:** 0.2CV

1540  $\mu$ A after 2 Minutes

**Load Life:** 2000 hours at 105°C with 100 % of rated voltage and with 0 % of rated ripple current

**Capacitance Change:**  $\leq$ 20% of initial measured value

**Dissipation Factor Change:**  $\leq$ 150% of maximum specified value

**ESR Change:** N/A

**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 |
|------|------|------|------|------|------|-------|-------|
| 2    | 1.9  | 1.7  | 1.8  | 1.4  | 1.4  | 1     | 0     |

### PHYSICAL DIMENSIONS

**Diameter (D):** 10 mm + 0.5 mm

**Length (L):** 12.5 mm + 1.5 mm

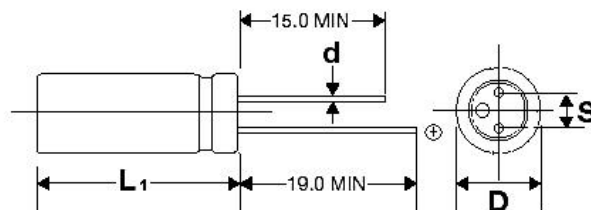
**Lead Spacing (S):** 5 mm +/- 0.5 mm

**Coating:** clearlaminate 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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