

156XMPL012MG19

SMD ALUMINUM POLYMER CAPACITORS

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 15 μ F

Dissipation Factor: 0.06 Max at 120 Hz and 20°C

Temperature Range: -40°C to +105°C

ESR: 6.6315 Ohms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 %, +20 %

WVDC: 12 Volts DC

SVDC: 15 Volts DC

Ripple Current: 1 A at 100 kHz and 105°C

N/A

Impedance Ratios: - \leq and - \leq

Leakage Current: 0.3CV

56.25 μ A after 2 Minutes

Load Life: 1000 hours at 105°C with 100 % of rated voltage and with 0 % of rated ripple current

Capacitance Change: \leq 10% of initial measured value

Dissipation Factor Change: \leq 100% 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 |
|-------|--------|--------|-------|--------|---------|
| 1 | 1 | 1 | 1 | 1 | 1 |

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 | 0 |

PHYSICAL DIMENSIONS

Length (L): 7.3 mm + 0.2 mm

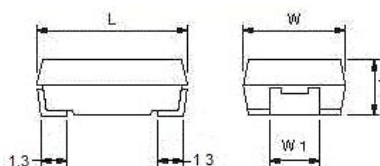
Height(H): 4.3 mm +/- 0.2 mm

Width(W): 1.9 mm +/- 0.2 mm

Lead Spacing (S): 4.7 mm +/- 0.2 mm

Lead Width (W1): 2.4 mm +/- 0.1 mm

Lead Finish: Matte Tin



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