

277XMPL002MG19X

SMD ALUMINUM POLYMER CAPACITORS

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 270 μ F

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

Temperature Range: -40°C to +105°C

ESR: 0.3684 Ohms Max at 20°C and 120 Hz

Impedance: 9 milliohm Max at 20°C and 100 KHz

Tolerance: -20 %, +20 %

WVDC: 2 Volts DC

SVDC: 2.5 Volts DC

Ripple Current: 3 A at 100 kHz and 105°C

N/A

Impedance Ratios: - $\leq$ and - $\leq$

Leakage Current: .1CV

54 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

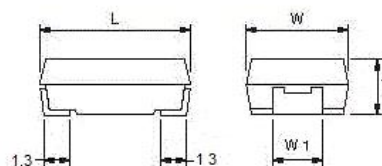
Height(H): 4.3 mm +/- 0.2 mm

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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