

277UER016MFF

RADIAL LEAD ALUMINUM POLYMER CAPACITORS

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 270 μ F

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

Temperature Range: -55°C to +105°C

ESR: 0.61 Ohms Max at 20°C and 120 Hz

Impedance: 12 milliohm Max at 20°C and 100 KHz

Tolerance: -20 %, +20 %

WVDC: 16 Volts DC

SVDC: 18.4 Volts DC

Ripple Current: 5000 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

864 μ A after 2 Minutes

Load Life: 5000 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: $\leq$ 150%

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): 8 mm + 0.5 mm

Length (L): 8 mm + 1 mm

Lead Spacing (S): 3.5 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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