827ALG016MFBF

RADIAL LEAD ALUMINUM POLYMER CAPACITORS

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 820 uF
Dissipation Factor: 0.12 Max at 120 Hz and 20°C
Temperature Range: -55°C to +125°C
ESR: 0.24261 Ohms Max at 20°C and 120 Hz
Impedance: N/A

Tolerance: -20 %, +20 %
WVDC: 16 Volts DC
SVDC: 18.4 Volts DC
Ripple Current: 5100 mA at 100 kHz and 105°C
2040mA at 100 kHz and 125°C
Impedance Ratios: -25°C/20°C -≤ 1.15 and -55°C/20°C -≤ 1.25

Leakage Current: 0.2CV
2624 uA after 2 Minutes

Load Life: 2000 hours at 125°C with 100 % of rated voltage and with 0 % of rated ripple current
Capacitance Change: ≤30% of initial measured value
Dissipation Factor Change: ≤300% of maximum specified value
ESR Change: ≤300%
Leakage Current: ≤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:

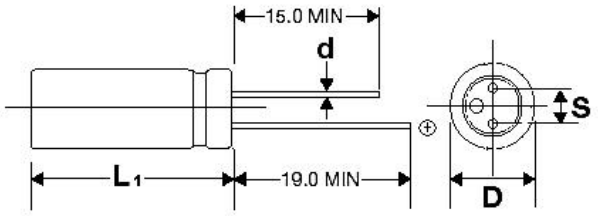
45°C	60°C	70°C:	65°C	75°C	85°C	105°C	125°C
1	1	1	1	1	1	1	1

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: clearlaminate sleeving

Lead Wire Diameter (d): 0.6 mm +/- 0.05 mm
Lead Length: 15 mm +/- Min mm
Lead Finish: Matte Tin



ILLINOIS CAPACITOR

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