



105DER2R5SFN

Radial lead, +70°C

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 1 F

Temperature Range: -25°C to +70°C

ESR (AC): 500 milliOhms Max at 20°C and 1 kHz

ESR (DC): 1000 milliOhms Max at 20°C and DC

Tolerance: -20 % , +50 %

WVDC: 2.5 Volts DC

SVDC: 2.7 Volts DC

Weight: 0.858 grams

Maximum stored energy: 0.868 Watt hours

Volume: 0.603 ml

Maximum Current: 0.63 Amps (1 second discharge to 1/2 the rated voltage)

Operating Current: 0.3 Amps (5 sec discharge to 1/2 rated voltage)

Leakage Current: 0.008 mA after 72 hours

Specific Energy:

Specific Power:

Gravimetric Density: 1.0117 Wh/kg

Volumetric Density: 1.4391 Wh/l

Gravimetric Density: 0.8741 kW/kg

Volumetric Density: 1.2434 kW/l

Load Life: 1000 hours at 70°C with 100% of rated voltage applied

Max Capacitance Change: ≤30% of initially measured value

ESR Change: ≤200% of maximum specified value

PHYSICAL DIMENSIONS

Diameter (D): 8 mm, +/- 0.5 mm

Length (L): 12 mm, +/- 1.5 mm

Height (H): mm, +/- mm

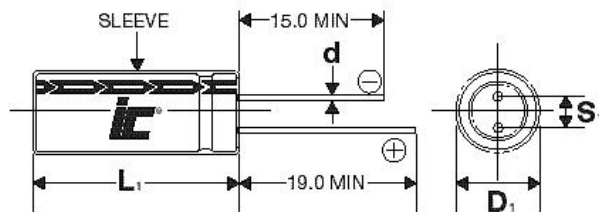
Thickness (T): mm, +/- mm

Termination Finish: Matte Tin

Lead Spacing (S): 3.5 mm, +/-0.5 mm

Lead Diameter (d): 0.5 mm, +/-0.05 mm

Lead Length (LL): 15mm, +/- MIN mm



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