

305DER2R5SFU

Radial lead, +70°C

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 3 F
Temperature Range: -25°C to +70°C
ESR (AC): 200 milliOhms Max at 20°C and 1 kHz
ESR (DC): 320 milliOhms Max at 20°C and DC

Tolerance: -20 % , +50 %
WVDC: 2.5 Volts DC
SVDC: 2.7 Volts DC

Weight: 1.255 grams
Maximum stored energy: 2.604 Watt hours

Volume: 1.005 ml

Maximum Current: 1.91 Amps (1 second discharge to 1/2 the rated voltage)
Operating Current: 0.8 Amps (5 sec discharge to 1/2 rated voltage)
Leakage Current: 0.012 mA after 72 hours

Specific Energy:

Gravimetric Density: 2.075 Wh/kg
Volumetric Density: 2.5904 Wh/l

Specific Power:

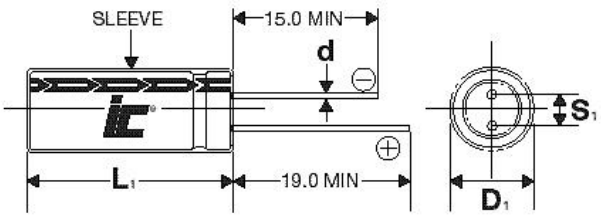
Gravimetric Density: 1.8675 kW/kg
Volumetric Density: 2.3314 kW/l

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): 20 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): 0.6 mm, +/-0.05 mm
Lead Length (LL): 15mm, +/- MIN mm



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