

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:

Gravimetric Density: 1.0117 Wh/kg
Volumetric Density: 1.4391 Wh/l

Specific Power:

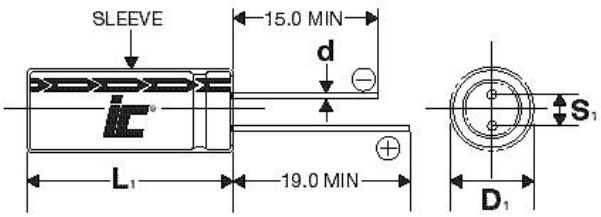
Gravimetric Density: 0.8741 kW/kg
Volumetric Density: 1.2434 kW/l

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



3757 W. Touhy Ave. Lincolnwood, IL 60712 (847) 675-1760 FAX (847) 673-2850
Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, www.illcap.com.hk
© Copyright 2017 Illinois Capacitor. A division of Cornell Dublier, All Rights Reserved