

ILLINOIS CAPACITOR INC.

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IC Part Number: 105DCN5R5MCDZ

Radial lead Supercapacitors

Parts are RoHS compliant: Yes

Electrical Specifications

Capacitance:

1 F

Tolerance:

+20 %, -20 %

TEMPERATURE RANGE:

-40°C to +60°C

Maximum stored energy:

0.0042014 Watt hours

ESR (AC):

1050 milliOhms at 1 kHz, 20°C

Maximum Current:

2.75 Amps (1 second discharge to 1/2 the rated voltage)

Load Life:

1000 hours at 60°C and 100 % of rated voltage applied

Max Capacitance change: ≤30% of initially measured value
ESR change: ≤200% of maximum specified value

WVDC:

5.5 Volts DC

SVDC:

5.8 Volts DC

Operating Current:

.55 Amps (5 sec discharge to 1/2 rated voltage)

Leakage Current:

0.09 mA after applying rated voltage for 72 hours at room temperature

Physical Dimensions:

Length (L):

17.5 mm MAX

Height (H):

19.5 mm MAX

Thickness (T):

9 mm MAX

Lead Spacing (S):

11.8 mm, +/- 0.5 mm

Lead wire diameter (d):

0.5 mm, +/- 0.05 mm

Lead Length (LL):

15 mm MIN

Sleeving :

BLACK PET sleeving

Termination Finish:

Matte Tin

