

ILLINOIS CAPACITOR INC.

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10/29/2013X

IC Part Number: 305DER2R5SFJG

Radial lead Supercapacitors

Parts are RoHS compliant: Yes

Electrical Specifications

Capacitance:

3 F

Tolerance:

+50 %, -20 %

TEMPERATURE RANGE:

-25°C to +70°C

Maximum stored energy:

0.0029 Watt hours

ESR (AC):

160 milliohms at 1 kHz, 20°C

Maximum Current:

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

Load Life:

1000 hours at 70°C and 100 % of rated voltage applied

WVDC:

2.5 Volts DC

SVDC:

2.7 Volts DC

ESR (DC):

320 milliohms, 20°C

Operating Current:

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

Leakage Current:

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

Max Capacitance change: <30% of initially measured value
ESR change: ≤400% of maximum specified value

Physical Dimensions:

Diameter (D): 8 mm, + 0.5 mm
Length (L): 20 mm, + 1.5 mm
Lead Spacing (S): 3.5 mm, +/- 0.5 mm
Lead wire diameter (d): 0.6 mm, +/- 0.05 mm
Lead Length (LL): 15 mm MIN
Sleeving : BLACK PET sleeving
Termination Finish: Matte Tin

