

ILLINOIS CAPACITOR INC.

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IC Part Number: 807DCR2R3S4EK

Radial lead Supercapacitors

Parts are RoHS compliant: Yes

Electrical Specifications

Capacitance:
800 F

Tolerance:
+50 %, -20 %

TEMPERATURE RANGE:
-25°C to +70°C

Maximum stored energy:
.5878 Watt hours

ESR (AC):
10 milliOhms at 1 kHz, 20°C

Maximum Current:
70.77amp(1second discharge to 1/2 the rated voltage)

Energy Density:
7.9929Wh/kg

Energy Density(Volumetric):
8.728Wh/l

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

Max Capacitance change: <30% of initially measured value

ESR change: ≤400% of maximum specified value

WVDC:
2.3 Volts DC

SVDC:
2.5 Volts DC

Volume:
67.34mL

Weight:
73.54g

Operating Current:
14.15Amp(5sec discharge to 1/2 rated voltage)

ESR (DC):
15 milliOhms at DC, 20°C
Power Density:
0.5755kW/kg
Power Density(Volumetric):
0.6284kW/l

Leakage Current:
7.2 mA after applying rated voltage for 72 hours at room temperature

Physical Dimensions:

Diameter (D): 35 mm, + 1 mm
Length (L): 70 mm, + 2 mm
Lead Spacing (S): 22.5 mm, +/- .2 mm
Lead Length (LL): 6.3 mm, +/- 1 mm
Sleeving : BLACK PET sleeving
Termination Finish: Matte Tin

