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/I

Load Life:

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

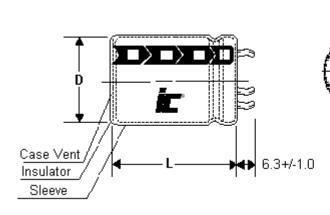
ESR change:

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

## **Physical Dimensions:**

Diameter (D): Length (L): Lead Spacing (S): Lead Length (LL): Sleeving : **Termination Finish:** 

35 mm, + 1 mm 70 mm, + 2 mm 22.5 mm, +/- .2 mm 6.3 mm, +/- 1 mm **BLACK PET sleeving** Matte Tin



NEG. 22.5 22.5 + -0.2

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/I Leakage Current:

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

11/5/2014X