



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# ILLINOIS CAPACITOR INC.

11/5/2014X

3757 W. Touhy Ave. Lincolnwood, IL 60712 (847)-675-1760 FAX (847)-673-2850, www.illcap.com  
Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, www.illcap.com.hk

## 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

