



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.

10/29/2013X

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: 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

