

## 147FSR300XTJD

PHOTOFLASH ALUMINUM ELECTROLYTIC CAPACITORS

Parts are RoHS compliant

Date code when parts became RoHS: 1327

**APPLICATIONS:** Photoflash, strobes, Security systems

### ELECTRICAL SPECIFICATIONS

**Capacitance:** 140  $\mu$ F

**Dissipation Factor:** 0.06 Max at 120 Hz and 20°C

**Temperature Range:** -20°C to +55°C

**ESR:** 0.632 Ohms Max at 20°C and 120 Hz

**Impedance:** N/A

**Tolerance:** -20 %, +50 %

**WVDC:** 300 Volts DC

**SVDC:** 320 Volts DC

**Ripple Current:** 0 at 0 and 0

**Impedance Ratios:** - and - -

**Leakage Current:** 1°C

140  $\mu$ A after 5 Minutes

**Charge/discharge:** 5000 charge/discharge cycles at rated voltage & 5~35°C repeating every 30 seconds thru a Xe tube having a discharge resistance of 0.7 to 1 Ohm

**Capacitance Change:**  $\leq 10\%$  of initial measured value

**Dissipation Factor:**  $\leq 150\%$  of maximum specified value

**Leakage Current:**  $\leq 150\%$  of maximum specified value

**Frequency Multipliers:**

| 50 HZ | 120 HZ | 400 HZ | 1 KHZ | 10 KHZ | 100 KHZ |
|-------|--------|--------|-------|--------|---------|
| 1     | 1      | 1      | 1     | 1      | 1       |

**Temperature Multipliers:**

| 45°C | 60°C | 70°C | 65°C | 75°C | 85°C | 105°C | 125°C |
|------|------|------|------|------|------|-------|-------|
| 1    | 1    | 1    | 1    | 1    | 1    | 1     | 0     |

### PHYSICAL DIMENSIONS

**Diameter (D):** 12.5 mm + 0.3 mm

**Length (L):** 25 mm + 0.5 mm

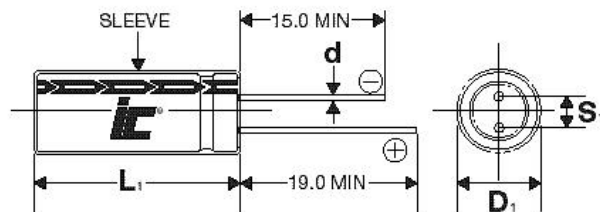
**Lead Spacing (S):** 5 mm +/- 0.5 mm

**Coating:** BlackPVC sleeving

**Lead Wire Diameter (d):** 0.8 mm +/- 0.05 mm

**Lead Length:** 15 mm +/- MIN mm

**Lead Finish:** Matte Tin



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