Illinois Capacitor, Inc.

506FSR310XZ2JC

PHOTOFLASH ALUMINUM ELECTROLYTIC CAPACITORS

Parts are RoHS compliant

Date code when parts became RoHS: 1327

APPLICATIONS: Photoflash, strobes, Security systems

ELECTRICAL SPECIFICATIONS

Capacitance: 50 uF
Dissipation Factor: 0.06 Max at 120 Hz and 20°C
Temperature Range: -20°C to +55°C
ESR: 1.768 Ohms Max at 20°C and 120 Hz
Impedance: N/A

Tolerance: -20 %, +50 %
WVDC: 310 Volts DC
SVDC: 320 Volts DC
Ripple Current: 0 at 0 and 0
Impedance Ratios:- and - -

Leakage Current: 1*C
50 uA after 5 Minutes

Charge/discharge: 5000 charge/discharge cycles at rated voltage & 5~35C repeating every 30 seconds thru a Xe tube having a discharge resistance of 0.7 to 1 Ohm
Capacitance Change: ≤10% of initial measured value
Dissipation Factor: ≤150% of maximum specified value
Leakage Current: ≤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

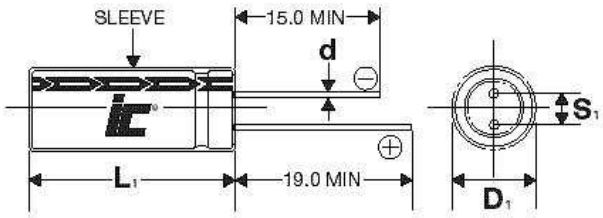
Temperature Multipliers:

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): 9.2 mm + 0.3 mm
Length (L): 24 mm + 0.5 mm
Lead Spacing (S): 4.2 mm +/- 0.5 mm
Coating: BlackPVC sleeving

Lead Wire Diameter (d): 0.6 mm +/- 0.05 mm
Lead Length: 15 mm +/- MIN mm
Lead Finish: Matte Tin



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