PART NUMBER: 105CKE350M
+105°C, EXTENDED LIFE 2000 HOUR
PARTS ARE ROHS COMPLIANT

FEATURES

105°C,low cost, small size

APPLICATIONS

Filtering, Bypass, coupling

ELECTRICAL SPECIFICATIONS

Capacitance: 1 uF
Dissipation Factor: 0.2 Max at 120 Hz
Temperature Range: -25°C to +105°C
ESR: 331.57 Ohms Max at 20°C and 120 Hz
Impedance: N/A

Tolerance: -20 % , +20 %
WVDC: 350 Volts DC
SVDC: 400 Volts DC
Ripple Current: 21 mA at 120 Hz and 105°C
Impedance Ratios: -25°C/20°C - 6
-40°C/20°C - 10

Leakage Current: .03CV+40uA 50.5 uA after 2 Minutes

Load Life: 2000 hours at 105°C with 100 % of rated voltage and with 100 % of rated ripple current
Max Capacitance Change: ≤20% of initially measured value
Dissipation Factor Change: ≤200% of maximum specified value
Leakage Current: ≤100% of maximum specified value

Ripple Current Multipliers

Frequency Multipliers:

50 Hz	120 Hz	400 Hz	1 kHz	10 kHz	100 kHz
0.7	1	1	1.3	1.8	1.8

Temperature Multipliers:

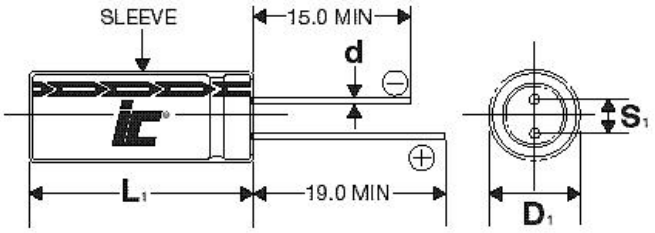
45°C	60°C	70°C:	65°C	75°C	85°C	105°C	125°C
1.75	1.75	1.4	1.75	1.4	1.4	1	0

PHYSICAL DIMENSIONS

Diameter (D): 6.3 mm +/- 0.5 mm
Length (L): 11 mm, +/- 1.5 mm
Lead Spacing (S): 2.5 mm, +/- 0.5 mm

Lead Wire Diameter (d): 0.5 mm, +/- 0.05 mm
Lead Length (LL): 15 mm, +/- MIN mm
Lead Finish: Matte Tin

Coating: Brown PVC sleeving



ILLINOIS CAPACITOR, INC.
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
© 2012 Illinois Capacitor

Downloaded from Arrow.com.