



107CKE025MEM

RADIAL LEAD GENERAL PURPOSE

Parts are RoHS compliant

Date code when parts became RoHS: 15

APPLICATIONS: Filtering, Bypass, coupling

ELECTRICAL SPECIFICATIONS

Capacitance: 100 μ F

Dissipation Factor: 0.14 Max at 120 Hz and 20°C

Temperature Range: -40°C to +105°C

Impedance: N/A

Tolerance: -20 %, +20 %

WVDC: 25 Volts DC

SVDC: 32 Volts DC

Ripple Current: 125 mA at 120 Hz and 105°C

Impedance Ratios: -25°C/20°C 2 and -40°C/20°C - 3

Leakage Current: .03CV or 4 μ A, whichever is greater

75 μ A after 1 Minute

.01CV or 3 μ A, whichever is greater

8.3 μ A after 2 Minutes

Load Life: 2000 hours at 105°C with 100 % of rated voltage and with 0 % of rated ripple current

Capacitance Change: $\leq$ 20% of initial measured value

Dissipation Factor: $\leq$ 200% of maximum specified value

Leakage Current: $\leq$ 100% of maximum specified value

Frequency Multipliers:

50 HZ	120 HZ	400 HZ	1 KHZ	10 KHZ	100 KHZ
0.8	1	1.23	1.34	1.5	1.5

Temperature Multipliers:

45°C	60°C	70°C	65°C	75°C	85°C	105°C	125°C
2.23	2.17	1.9	2	1.75	1.75	1	0

PHYSICAL DIMENSIONS

Diameter (D): 5 mm + 0.5 mm

Length (L): 11 mm + 1.5 mm

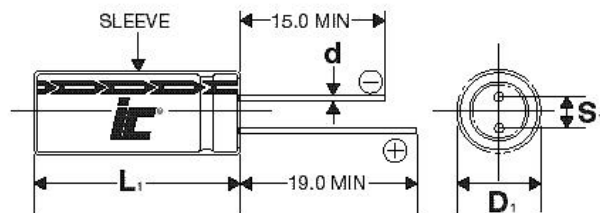
Lead Spacing (S): 2 mm +/- 0.5 mm

Coating: CKH-BLK, CKE-BWNPET sleeving

Lead Wire Diameter (d): 0.5 mm +/- 0.05 mm

Lead Length: 15 mm +/- MIN mm

Lead Finish: Matte Tin



2400 East Devon Avenue Suite 292 Des Plaines, IL 60018 (847) 675-1760 FAX (847) 673-2850

Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, www.ilcap.com.hk

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