



# 108CKE025MLQ

RADIAL LEAD GENERAL PURPOSE

Parts are RoHS compliant

Date code when parts became RoHS: 15

**APPLICATIONS:** Filtering, Bypass, coupling

## ELECTRICAL SPECIFICATIONS

**Capacitance:** 1000 uF

**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:** 610 mA at 120 Hz and 105°C

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

**Leakage Current:** .03CV or 4uA, whichever is greater

750 uA after 1 Minute

.01CV or 3uA, whichever is greater

83.33uA after 2 Minutes

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

**Capacitance Change:** ≤20% of initial measured value

**Dissipation Factor:** ≤200% of maximum specified value

**Leakage Current:** ≤100% of maximum specified value

### Frequency Multipliers:

### Temperature Multipliers:

50 HZ	120 HZ	400 HZ	1 KHZ	10 KHZ	100 KHZ
0.85	1	1.1	1.3	1.15	1.4

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):** 10 mm + 0.5 mm

**Length (L):** 16 mm + 1.5 mm

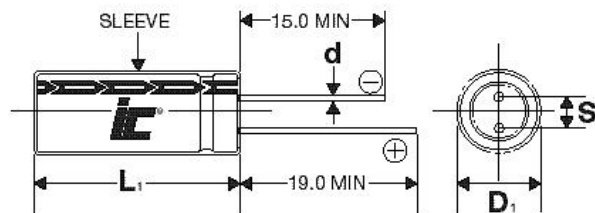
**Lead Spacing (S):** 5 mm +/- 0.5 mm

**Coating:** CKH-BLK, CKE-BWNPET sleeving

**Lead Wire Diameter (d):** 0.6 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.illcap.com.hk](http://www.illcap.com.hk)

© Copyright 2020 Illinois Capacitor. An affiliate of Cornell Dubilier, All Rights Reserved