

PART NUMBER: 108CKE016M

+105°C, EXTENDED LIFE 2000 HOUR

PARTS ARE ROHS COMPLIANT

FEATURES

105°C, low cost, small size

APPLICATIONS

Filtering, Bypass, coupling

ELECTRICAL SPECIFICATIONS

Capacitance: 1000 uF

Dissipation Factor: 0.17 Max at 120 Hz

Temperature Range: -55°C to +105°C

ESR: 0.282 Ohms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 16 Volts DC

SVDC: 20 Volts DC

Ripple Current: 630 mA at 120 Hz and 105°C

Impedance Ratios: -25°C/20°C - 2
-40°C/20°C - 6

Leakage Current: .03CV or 4uA, whichever is greater 480 uA after 1 Minute

.01CV or 3uA, whichever is greater
160uA 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
0.85	1	1	1.1	1.2	1.2

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): 10 mm +/- 0.5 mm

Length (L): 16 mm, +/- 1.5 mm

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

Lead Wire Diameter (d): 0.6 mm, +/- 0.05 mm

Lead Length (LL): 15 mm, +/- MIN mm

Lead Finish: Matte Tin

Coating: Brown PVC sleeving

