

**+105°C Standard Miniature Radial Lead Aluminum
Electrolytic Capacitors**



Part Number: 107CKE016M

This part is RoHS compliant

Electrical Specifications

Capacitance:

100 uF

Tolerance:

-20 %, +20 %

Temperature Range:

-55°C to +105°C

Dissipation Factor:

0.17 at 120 Hz

WVDC: 16 volts DC

SVDC: 20 volts DC

ESR:

2.818 Ohms at 120 Hz and 20°C

Ripple Current:

110 mA at 120 Hz and 105°C

Impedance:

Impedance Ratios:

-25°C/20°C - 2

-40°C/20°C - 6

Leakage Current:

.03CV or 4uA, whichever is greater

16.0 uA after 1 Minute

5.3 uA after 2 Minutes

Load Life:

2000 Hours at 105°C with 100% of
rated voltage and with 0% of rated ripple
current

Frequency Multipliers

50 Hz 120 Hz 400 Hz 1 KHz 10 KHz 100 KHz

0.85 1 1 1 1.2 1.2

Temperature Multipliers

45°C 60°C 65°C 70°C 75°C 85°C 105°C 125°C

1.75 1.4 1 0

Physical Specifications

Diameter (D):

5 mm + 0.5 mm

Length (L):

11 mm + 1.5 mm

Lead Wire Diameter (d):

0.5 mm + 0.05 mm

Lead Spacing:

2 mm +/- 0.5 mm

Lead Length:

15 mm

Coating:

Black/Brown PVC Sleeving

