

PART NUMBER: 687CKH050M

+105°C, EXTENDED LIFE 2000 HOUR

PARTS ARE ROHS COMPLIANT

FEATURES

105°C, low cost, small size

APPLICATIONS

Filtering, Bypass, coupling

ELECTRICAL SPECIFICATIONS

Capacitance: 680 μ F

Dissipation Factor: 0.1 Max at 120 Hz

Temperature Range: -40°C to +105°C

ESR: 0.244 Ohms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 50 Volts DC

SVDC: 63 Volts DC

Ripple Current: 825 mA at 120 Hz and 105°C

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

Leakage Current: .03CV or 4 μ A, whichever is greater 1020 μ A after 1 Minute

.01CV or 3 μ A, whichever is greater

34 μ A 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: $\leq$ 20% of initially measured value

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

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

Ripple Current Multipliers

Frequency Multipliers:

50 Hz	120 Hz	400 Hz	1 kHz	10 kHz	100 kHz
0.8	1	1	1.15	1.25	1.25

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): 12.5 mm +/- 0.8 mm

Length (L): 25 mm, +/- 2 mm

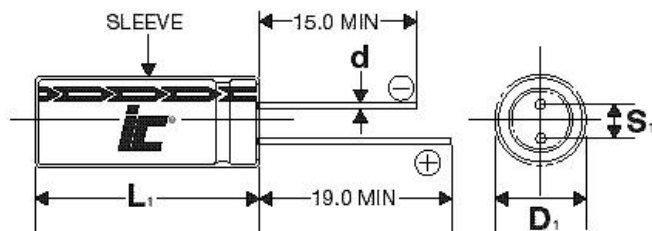
Lead Spacing (S): 5 mm, +/- 0.5 mm

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



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