

PART NUMBER: 686CKR050M

+85°C, STANDARD 2000 HOUR

PARTS ARE ROHS COMPLIANT

FEATURES

small size, low cost

APPLICATIONS

General Purpose, bypass, coupling, filtering

ELECTRICAL SPECIFICATIONS

Capacitance: 68 μ F

Dissipation Factor: 0.1 Max at 120 Hz

Temperature Range: -40°C to +85°C

ESR: 2.438 Ohms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 50 Volts DC

SVDC: 63 Volts DC

Ripple Current: 200 mA at 120 Hz and 85°C

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

Leakage Current: .03CV or 4 μ A, whichever is greater 102 μ A after 1 Minute

.01CV or 3 μ A, whichever is greater
34 μ A after 2 Minutes

Load Life: 2000 hours at 85°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
1.25	1.25	1.14	1.25	1.14	1	0	0

PHYSICAL DIMENSIONS

Diameter (D): 8 mm +/- 0.5 mm

Length (L): 11.5 mm, +/- 1.5 mm

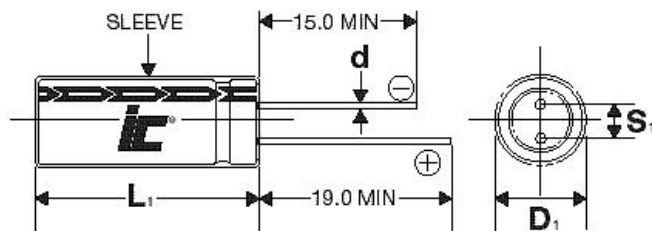
Lead Spacing (S): 3.5 mm, +/- 0.5 mm

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

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

Lead Finish: Matte Tin

Coating: BLACK PVC sleeving



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