

PART NUMBER: **477KBM063M**

**+105°C, HIGH FREQUENCY LOW IMPEDANCE/ESR,8000 TO 10000 HOURS
PARTS ARE ROHS COMPLIANT**

FEATURES

low impedance, high frequency, 8000 to 10000 hours life

APPLICATIONS

Switching regulators and power supplies, input filters

ELECTRICAL SPECIFICATIONS

Capacitance: 470 uF

Dissipation Factor: 0.09 Max at 120 Hz

Temperature Range: -40°C to +105°C

ESR: 0.1492 Ohms Max at 20°C and 120 Hz

Impedance: 0.065Ohms100 kHz20°C

Ohms100 kHz-10°C

Leakage Current: .01CV or 3uA, whichever is greater 296.1 uA after 2 Minutes

Tolerance: -20 % , +20 %

WVDC: 63 Volts DC

SVDC: 79 Volts DC

Ripple Current: 1800 mA at 100 kHz and 105°C

Impedance Ratios: -25°C/20°C - 2

-40°C/20°C - 3

Load Life: 10000 hours at 105°C with 100 % of rated voltage and with 0 % 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
1	1	1	1	1	1

Temperature Multipliers:

45°C	60°C	70°C	65°C	75°C	85°C	105°C	125°C
2.23	2.17	1.6	1.75	1.4	1.4	1	0

PHYSICAL DIMENSIONS

Diameter (D): 12.5 mm +/- 0.5 mm

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

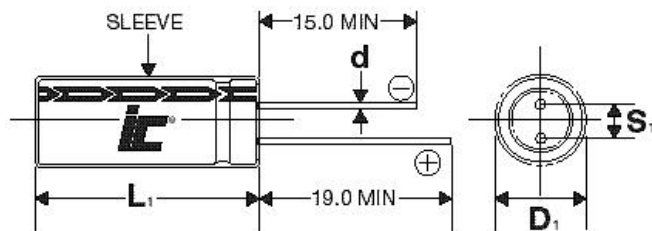
Lead Spacing (S): 5 mm, +/- 0.5 mm

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

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

Lead Finish: Matte Tin

Coating: BLACK PVC sleeving



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