



476KBM050M

RADIAL LEAD HIGH FREQUENCY/ LOW IMPEDANCE

Parts are RoHS compliant

Date code when parts became RoHS: 26

APPLICATIONS: Switching regulators and power supplies, input filters

ELECTRICAL SPECIFICATIONS

Capacitance: 47 uF

Dissipation Factor: 0.1 Max at 120 Hz and 20°C

Temperature Range: -40°C to +105°C

ESR: 3.5274 Ohms Max at 20°C and 120 Hz

Impedance: 0.35Ohms100 kHz20°C

Ohms100 kHz-10°C

Tolerance: -20 %, +20 %

WVDC: 50 Volts DC

SVDC: 63 Volts DC

Ripple Current: 290 mA at 100 kHz and 105°C

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

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

Load Life: 5000 hours at 105°C with 100 % of rated voltage and with 0 % of rated ripple current

Capacitance Change: ≤25% of initial measured value

Dissipation Factor: ≤200% of maximum specified value

Leakage Current: ≤100% of maximum specified value

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): 6.3 mm + 0.5 mm

Length (L): 11 mm + 1.5 mm

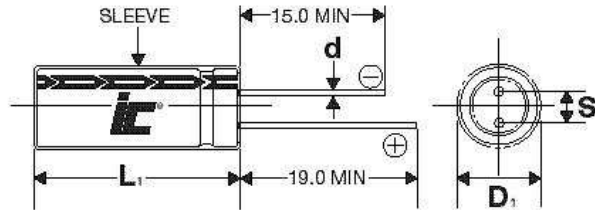
Lead Spacing (S): 2.5 mm +/- 0.5 mm

Coating: BlackPET sleeving

Lead Wire Diameter (d): 0.5 mm +/- 0.05 mm

Lead Length: 15 mm +/- Min mm

Lead Finish: Matte Tin



3757 W. Touhy Ave. Lincolnwood, IL 60712 (847) 675-1760 FAX (847) 673-2850
Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, www.illcap.com.hk
© Copyright 2017 Illinois Capacitor. A division of Cornell Dubilier. All Rights Reserved