



688FXM010M

RADIAL LEAD LOW PROFILE

Parts are RoHS compliant

Date code when parts became RoHS: 15

APPLICATIONS: General Purpose, Bypass, coupling, Filtering, Handheld devices

ELECTRICAL SPECIFICATIONS

Capacitance: 6800 uF

Dissipation Factor: 0.36 Max at 120 Hz and 20°C

Temperature Range: -55°C to +105°C

Impedance: N/A

Tolerance: -20 %, +20 %

WVDC: 10 Volts DC

SVDC: 13 Volts DC

Ripple Current: 1330 mA at 120 Hz and 105°C

Impedance Ratios: -25°C/20°C 4 and -40°C/20°C - 8

Leakage Current: .03CV or 4uA, whichever is greater

2040 uA after 1 Minute

.01CV or 3uA, whichever is greater

680uA after 2 Minutes

Load Life: 1000 hours at 105°C with 100 % of rated voltage and with 0 % of rated ripple current

Capacitance Change: ≤20% 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
0.8	1	1.23	1.32	1.5	1.5

Temperature Multipliers:

45°C	60°C	70°C	65°C	75°C	85°C	105°C	125°C
2	1.9	1.7	1.8	1.4	1.4	1	0

PHYSICAL DIMENSIONS

Diameter (D): 18 mm + 0.5 mm

Length (L): 20 mm + 2 mm

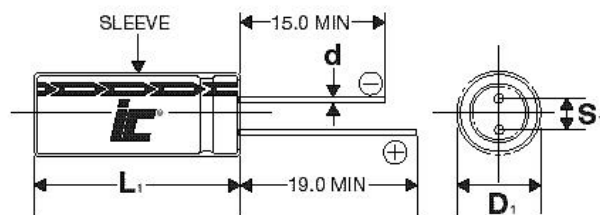
Lead Spacing (S): 7.5 mm +/- 0.5 mm

Coating: BrownPET sleeving

Lead Wire Diameter (d): 0.8 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.ilcap.com.hk
© Copyright 2017 Illinois Capacitor. A division of Cornell Dubilier, All Rights Reserved