



688KXM6R3M

RADIAL LEAD HIGH FREQUENCY/ LOW IMPEDANCE

Parts are RoHS compliant

Date code when parts became RoHS: 26

APPLICATIONS: Switching power supplies, input filters, coupling, bypass

ELECTRICAL SPECIFICATIONS

Capacitance: 6800 uF

Dissipation Factor: 0.22 Max at 120 Hz and 20°C

Temperature Range: -55°C to +105°C

Impedance: 0.016Ohms100 kHz20°C

0.043Ohms100 kHz-10°C

Tolerance: -20 %, +20 %

WVDC: 6.3 Volts DC

SVDC: 7.9 Volts DC

Ripple Current: 3250 mA at 100 kHz and 105°C

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

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

Load Life: 5000 hours at 105°C with 100 % of rated voltage and with 100 % 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
0.68	0.83	0.9	0.96	1	1

Temperature Multipliers:

45°C	60°C	70°C	65°C	75°C	85°C	105°C	125°C
2.23	2.17	2	2.1	1.75	1.75	1	0

PHYSICAL DIMENSIONS

Diameter (D): 16 mm + 0.5 mm

Length (L): 25 mm + 2 mm

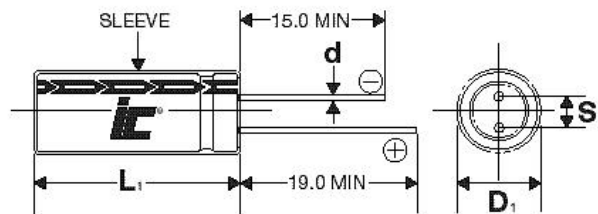
Lead Spacing (S): 7.5 mm +/- 0.5 mm

Coating: BrownPET sleeving

Lead Wire Diameter (d): 0.8 mm +/- 0.05 mm

Lead Length: 15 mm +/- MIN mm

Lead Finish: Matte Tin



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