

225KFM450MFBW

RADIAL LEAD HIGH FREQUENCY/ LOW IMPEDANCE

Parts are RoHS compliant

Date code when parts became RoHS: 1424

APPLICATIONS: Switching regulators and power supplies, input filters

ELECTRICAL SPECIFICATIONS

Capacitance: 2.2 uF
Dissipation Factor: 0.2 Max at 120 Hz and 20°C
Temperature Range: -40°C to +105°C
ESR: 150.7149 Ohms Max at 20°C and 120 Hz
Impedance: 15.72Ohms100 kHz20°C

Tolerance: -20 %, +20 %
WVDC: 450 Volts DC
SVDC: 500 Volts DC
Ripple Current: 95 mA at 100 kHz and 105°C
Impedance Ratios:-40°C/20°C 9 and - - -

Leakage Current: .02CV+10uA
29.8 uA after 2 Minutes

Load Life: 10000 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
0.4	0.5	0.5	0.8	0.9	1

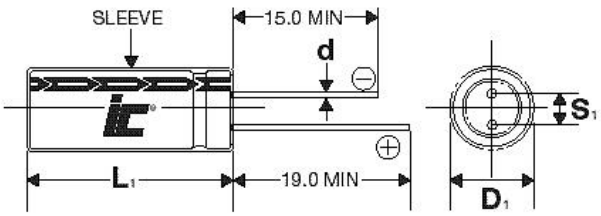
Temperature Multipliers:

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): 8 mm + 0.5 mm
Length (L): 16 mm + 1.5 mm
Lead Spacing (S): 3.5 mm +/- 0.5 mm
Coating: GreenPET sleeving

Lead Wire Diameter (d): 0.6 mm +/- 0.05 mm
Lead Length: 15 mm +/- MIN mm
Lead Finish: Matte Tin



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