



## 225KFM400MFH

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:** 20Ohms100 kHz20°C

--

**Tolerance:** -20 %, +20 %

**WVDC:** 400 Volts DC

**SVDC:** 450 Volts DC

**Ripple Current:** 90 mA at 100 kHz and 105°C

**Impedance Ratios:**-40°C/20°C 7 and - - -

**Leakage Current:** .02CV+10uA

27.6 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):** 11.5 mm + 1.5 mm

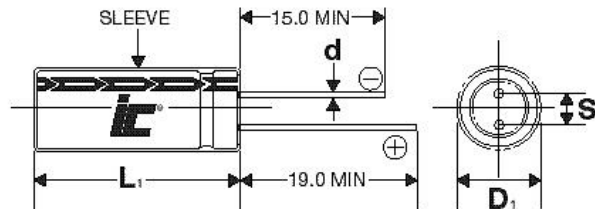
**Lead Spacing (S):** 3.5 mm +/- 0.5 mm

**Coating:** GreenPET sleeving

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

**Lead Length:** 15 mm +/- MIN mm

**Lead Finish:** Matte Tin



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](http://www.illcap.com.hk)  
© Copyright 2017 Illinois Capacitor. A division of Cornell Dubilier. All Rights Reserved