



103MSR102K

GENERAL PURPOSE FILM
Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 0.01 μ F

Dissipation Factor: 0.01 Max at 1000 Hz and 25°C, 0.015 Max at 10 kHz and 25°C

C

Temperature Coefficient: 400 PPM/°C: -200 PPM/°C, 200 PPM/°C

Ripple Current: at and

ESR: 176.839 Ohms at 1 kHz and 20°C

Self Inductance: 1 Nanohenries maximum per mm of pitch

dvd: 80 V/ μ s

Tolerance: -10 % , +10 %

Temperature Range: -55°C to +125°C

Above 85°C the rated (DC/AC) voltage must be derated at per 1.25%/°C

WVDC: 1000 Volts DC

SVDC: N/A Volts DC

VAC: 250 Volts AC

Terminal to Terminal Dielectric strength: 1.6 times the rated DC voltage when applied between the terminals for 2 seconds

Terminal to case Dielectric strength: 0 VAC when applied between the terminals and case for 0

Insulation Resistance (Terminal to Terminal): 30000 MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C

Reliability: 3 FIT

Load Life: 2000 hours at 85°C with 125% of rated voltage

Capacitance Change: <5% of initially measured value

D.F. Change: <50% of maximum specified value

I.R. Change: >50% of minimum specified value

Insulation resistance (Terminal to Case): N/A Megohms MINIMUM after 0 Volts DC is applied for 0 seconds at 0

PHYSICAL DIMENSIONS

Length (L): 14 mm, MAX mm

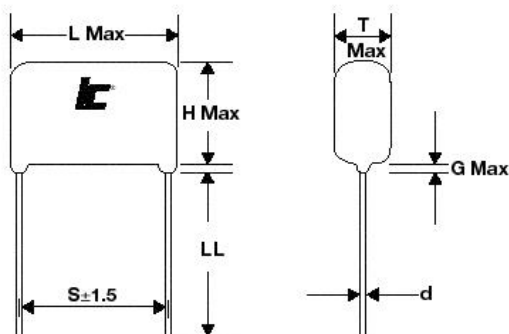
Height (H): 11.5 mm, +/-MAX mm

Thickness (T): 7 mm, +/-MAX mm

Lead Spacing (S): 10 mm, +/-1.5 mm

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

Lead Length (LL): 15mm, +/- MIN mm



2400 East Devon Avenue Suite 292 Des Plaines, IL 60018 (847) 675-1760 FAX (847) 673-2850

Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, www.ilicap.com.hk

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