



153MPR250K
 GENERAL PURPOSE FILM
 Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 0.015 uF

Dissipation Factor: 0.001 Max at 1000 Hz and 25°C , 0.004 Max at 100 kHz and 25°C

Temperature Coefficient: -200 PPM/°C: -100 PPM/°C, 100 PPM/°C

Ripple Current: at and

ESR: 11.789 Ohms at 1 kHz and 20°C

Self Inductance: 1 Nanohenries maximum per mm of pitch

dvdt: 220 V/μs

Tolerance: -10 % , +10 %

Temperature Range: -55°C to +105°C

Above 85°C the rated (DC/AC) voltage must be derated at per 1.25%/2.25%/°C

WVDC: 250 Volts DC

SVDC: N/A Volts DC

VAC: 160 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: 2 VAC when applied between the terminals and case for 2~5 seconds

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

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

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

Capacitance Change: ≤3% of initially measured value

D.F. Change: ≤125% of maximum specified value

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

PHYSICAL DIMENSIONS

Length (L): 13 mm, MAX mm

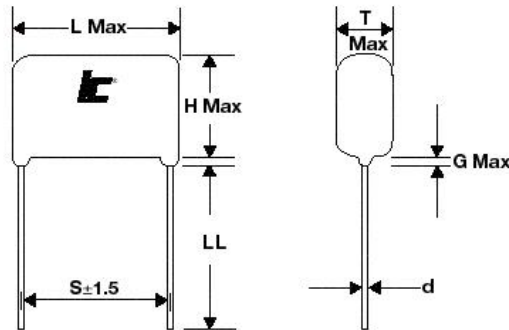
Height (H): 9 mm, +/-MAX mm

Thickness (T): 5 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.illcap.com.hk
 © Copyright 2020 Illinois Capacitor. An affiliate of Cornell Dubilier, All Rights Reserved