



**223MPR250K**  
 GENERAL PURPOSE FILM  
 Parts are RoHS compliant

### ELECTRICAL SPECIFICATIONS

**Capacitance:** 0.022 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: 8.038 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

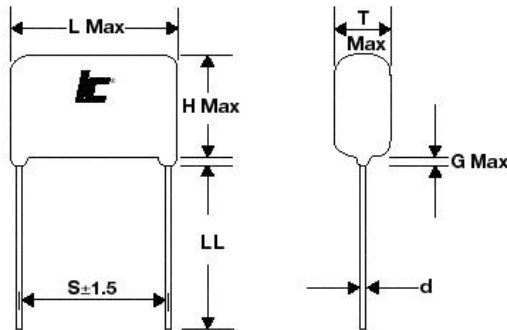
**Height (H):** 9 mm, +/-MAX mm

**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



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