# 105MPR400K

GENERAL PURPOSE FILM

**Parts are RoHS compliant**

## ELECTRICAL SPECIFICATIONS

**Capacitance:** 1 uF
**Dissipation Factor:** 0.001 Max at 1000 Hz and 25°C , 0.007 Max at 100 kHz and 25°C
**Temperature Coefficient:** -200 PPM/°C: -100 PPM/°C, 100 PPM/°C
**Ripple Current:** at and
**ESR:** 0.177 Ohms at 1 kHz and 20°C
**Self Inductance:** 1 Nanohenries maximum per mm of pitch
**dvdt:** 150 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:** 400 Volts DC
**SVDC:** N/A Volts DC
**VAC:** 220 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

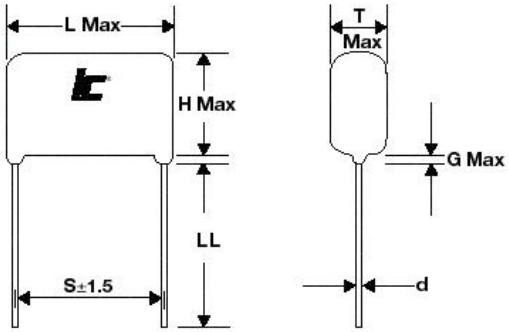
**Insulation resistance (Terminal to Case):** N/A Megohms MINIMUM after 0 Volts DC is applied for 0 seconds at 0

**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):** 31 mm, MAX mm
**Height (H):** 22 mm, +/-MAX mm
**Thickness (T):** 15 mm, +/-MAX mm

**Lead Spacing (S):** 27.5 mm, +/-1.5 mm
**Lead Diameter (d):** 0.8 mm, +/-0.05 mm
**Lead Length (LL):** 15mm, +/- MIN mm

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