

# 152MPW400K

GENERAL PURPOSE FILM

Parts are RoHS compliant



## ELECTRICAL SPECIFICATIONS

**Capacitance:** 0.0015  $\mu$ F

**Dissipation Factor:** 0.001 Max at 1000 Hz and 25°C , 0.004 Max at 10 kHz and 25°C

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

**Ripple Current:** at and

**ESR:** 117.893 Ohms at 1 kHz and 20°C

**Self Inductance:** 1 Nanohenries maximum per mm of body length and lead length

**dvdt:** 15 V/ $\mu$ s

**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%/°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:** 3 FIT

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

**Capacitance Change:**  $\leq$ 3% of initially measured value

**D.F. Change:**  $\leq$ 125% of maximum specified value

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

## PHYSICAL DIMENSIONS

**Diameter (D):** 6.5 mm, MAX mm

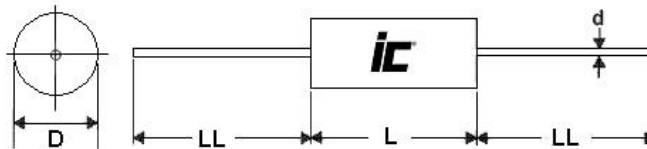
**Length (L):** 14.5 mm, MAX mm

**Lead Finish:** Matte Tin

**Lead Spacing (S):** mm, +/- mm

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

**Lead Length (LL):** 35mm, +/- 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](http://www.illcap.com.hk)

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