

# PART NUMBER: 334MPW400K

GENERAL PURPOSE FILM

Parts are RoHS compliant

Date code when parts became RoHS: 14



## FEATURES

Axial lead, self healing metallized polypropylene

## ELECTRICAL SPECIFICATIONS

**Capacitance:** 0.33  $\mu$ F

**Dissipation Factor:** 0.001 Max at 1000 Hz and 25°C

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

**Ripple Current:** - at - and 0

**ESR:** 0.536 Ohms at 1 kHz and 20°C

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

**dvdt:** 7.5 V/ $\mu$ s

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

**Insulation Resistance (Terminal to Terminal):** 30000 Megohms MINIMUM after Volts DC is applied for seconds at

**Reliability:** 3 failures/billion component hours 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

**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 case Dielectric strength:** 2 times the rated DC voltage when applied between the terminals for 2~5 seconds

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

## PHYSICAL DIMENSIONS

**Diameter (D):** 12.5 mm, MAX mm

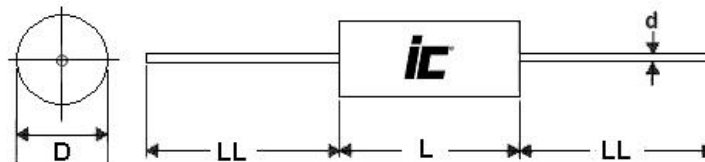
**Length (L):** 29 mm, MAX mm

**Lead Finish:** Matte Tin

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

**Lead Diameter (d):** 0.8 mm, +/-0.05 mm

**Lead Length (LL):** 35mm, +/- MIN mm



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