



# 103PPB162K

HIGH DVDT/ PULSE  
Parts are RoHS compliant

**APPLICATIONS:** SNUBBER, SCR commutation, TV deflection circuits

## ELECTRICAL SPECIFICATIONS

**Capacitance:** 0.01  $\mu$ F

**Dissipation Factor:** 0.0005 Max at 1000 Hz and 25°C , 0.0005 Max at 10 kHz and 25°C , 0.0016 Max at 100 kHz and 25°C

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

**Ripple Current:** at and

**ESR:** - at - and -

**Self Inductance:** 1 Nanohenries maximum per mm of pitch

**dvdt:** 3800 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%/2.25%°C

**WVDC:** 1600 Volts DC

**SVDC:** N/A Volts DC

**VAC:** 650 Volts AC

**Terminal to Terminal Dielectric strength:** 1.6 times the rated DC voltage when applied between the terminals for 10 seconds

**Terminal to case Dielectric strength:** 13.6 VAC when applied between the terminals and case for 60 seconds

**Insulation Resistance (Terminal to Terminal):** 100000 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:** 1 FIT

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

**Capacitance Change:**  $\leq$ 1% of initially measured value

**D.F. Change:** .001 of maximum specified value

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

## PHYSICAL DIMENSIONS

**Length (L):** 26.5 mm, 0.6 mm

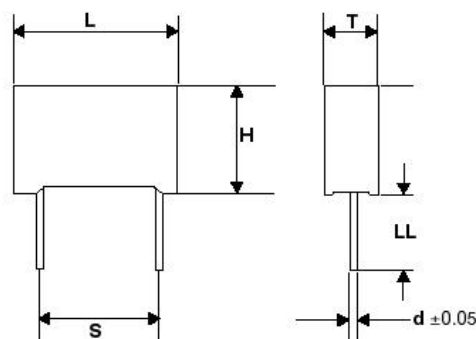
**Height (H):** 15 mm,  $\pm$ 0.45 mm

**Thickness (T):** 6 mm,  $\pm$ 0.3 mm

**Lead Spacing (S):** 22.5 mm,  $\pm$ 0.4 mm

**Lead Diameter (d):** 0.8 mm,  $\pm$ 0.05 mm

**Lead Length (LL):** 5.0mm,  $\pm$  1 mm



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