



## MPXB185K305H

85/85 THB CONSTRUCTION

Parts are RoHS compliant

### ELECTRICAL SPECIFICATIONS

**Capacitance:** 1.8  $\mu$ F

**Dissipation Factor:** 0.0015 Max at 1000 Hz 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

**dvd:** 100 V/ $\mu$ s

**Tolerance:** -10 % , +10 %

**Temperature Range:** -40°C to +110°C

Above 110°C the rated (DC/AC) voltage must be derated at per N/A°C

**WVDC:** 630 Volts DC

**SVDC:** N/A Volts DC

**VAC:** 305 Volts AC

**Terminal to Terminal Dielectric strength:** 3.226 V times the rated AC voltage when applied between the terminals for 60 seconds

**Terminal to case Dielectric strength:** 6.613 VAC when applied between the terminals and case for 60 seconds

**Insulation Resistance (Terminal to Terminal):** 5000 MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C

**Insulation resistance (Terminal to Case):** 30000 Megohms MINIMUM after 100 Volts DC is applied for 60 seconds at 20°C

**Reliability: Load Life:** 1000 hours at 110°C with 125% of rated voltage

**Capacitance Change:**  $\leq$ 5% of initially measured value

**D.F. Change:**  $\leq$ 150% of maximum specified value

**I.R. Change:**  $>$ 100% of minimum specified value

### PHYSICAL DIMENSIONS

**Length (L):** 32 mm, 1 mm

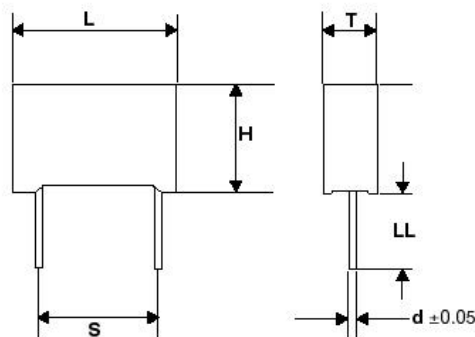
**Height (H):** 33 mm,  $\pm$ 0.5 mm

**Thickness (T):** 18 mm,  $\pm$ 0.5 mm

**Lead Spacing (S):** 27.5 mm,  $\pm$ 0.5 mm

**Lead Diameter (d):** 0.8 mm,  $\pm$ 0.1 mm

**Lead Length (LL):** 5mm,  $\pm$  MIN mm



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