

**PART NUMBER: 104PMB252KB#**  
**METALLIZED POLYPROPYLENE, POWER SEMICONDUCTOR**  
**DIRECT MOUNT SNUBBER LUG TERMINALS**  
**PARTS ARE ROHS COMPLIANT**

**FEATURES**

Radiated lead, self-healing metallized polypropylene, high voltage, high current, high frequency, lug terminals

**APPLICATIONS**

Snubber, IGBT & Power semiconductor direct mount

**ELECTRICAL SPECIFICATIONS**

Capacitance: 0.1  $\mu$ F  
 Dissipation Factor: 0.005 Max @ 1000 Hz and 25°C  
 Temperature Coefficient: 200 PPM/°C -100 PPM/°C, 100 PPM/°C  
 Ripple Current: 9 A at 100 kHz and 70°C  
 ESR: 11 m $\Omega$  (rms typical) at 25°C and 100 kHz  
 Self Inductance: 1 Nanohenries maximum per mm of pitch  
 dv/dt: 2050 V/ $\mu$ s

Tolerance: -10%, +10%  
 Temperature Range: -40°C to +100°C  
 Above 85°C the rated (DC/AC) voltage must be derated at per 1.5%/2.5%  
 °C  
 WVDC: 2500 Volts DC  
 SWDC: 3300 Volts DC  
 VAC: 725 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: 3000 times the rated AC voltage when applied between the terminals for 60 seconds

Insulation Resistance [Terminal to Terminal]: 3000 Megohms/Microfarads MINIMUM after 0 Volts DC is applied for 0 seconds at 0

Insulation resistance [Terminal to Case]: Megohms MINIMUM after 0 Volts DC is applied for 0 seconds at 0

Reliability: 300 failures/billion component hours  
 Load Life: 100000/30000 hours at 70°C with 100% of rated voltage  
 Max Capacitance Change: <math>\pm 5\%</math> of initially measured value  
 Dissipation Factor Change:  $\pm 20\%$  of maximum specified value  
 I.R. Change: >50% of minimum specified value

**PHYSICAL DIMENSIONS**

Length (L): 42.5 mm, +/- 0.8 mm  
 Height (H): 28 mm, +/- 0.6 mm  
 Thickness (T): 17 mm, +/- 0.45 mm

Select lead style below to complete part number

