

PART NUMBER: 104PMB302K#P1



SNUBBER

Parts are RoHS compliant

Date code when parts became RoHS: 14

FEATURES

Radial 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 uF
 Dissipation Factor: 0.0005 Max at 1000 Hz and 25°C
 Temperature Coefficient: -200 PPM/°C: -100 PPM/°C, 100 PPM/°C
 Ripple Current: 12.5 A at 100 kHz and 70°C
 ESR: 8.5 milliOhms (typical) at 100 kHz and 25°C
 Self Inductance: 1 Nanohenries maximum per mm of pitch
 dv/dt: 2500 V/μs

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: 3000 Volts DC
 SVDC: 4000 Volts DC
 VAC: 750 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 Megohm/Microfarads MINIMUM after Volts DC is applied for seconds at
 Reliability: 300 failures/billion component hours
 Load Life: 100000/30000 hours at 70°C with 100% of rated voltage
 Capacitance Change: ≤5% of initially measured value
 D.F. Change: ≤200% of maximum specified value
 I.R. Change: >50% of minimum specified value

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

PHYSICAL DIMENSIONS

Length (L): 42.5 mm, 0.8 mm
 Height (H): 35.5 mm, +/-0.8 mm
 Thickness (T): 33.5 mm, +/-0.8 mm

Lead Diameter (d): mm, +/- mm
 Lead Length (LL): mm, +/- mm

