01005BB (0.010” x 0.005”) 01005BB104MW4R0

◆ Product Features
• Typical operating frequency range: 16 kHz (-3 dB point) to > 67 GHz;
• Insertion Loss: < 1 dB, typical; 4 WVDC;
• Available in 40K pcs/ reel; Lower quantities available in cut tape

◆ Mechanical Dimensions
L = 0.016 in. ± 0.001 in. (0.4 mm ± 0.02 mm)
W = 0.008 in. ± 0.001 in. (0.2mm ± 0.02 mm)
T = 0.008 in. ± 0.001 in. (0.2mm ± 0.02 mm)
S = 0.005 in., min. (0.13 mm, min.)

◆ Test Conditions
Typical responses for sample placed across a 0.127 mm (5.0 mil) gap between 0.29 mm (11.3 mil) wide, 0.21 mm (8.3 mil) long mounting pads on 4-mil Rogers RO4350B. Measured and modeled data are de-embedded to the mounting pad edges using TRL calibration procedures.

◆ Electrical Specifications
• Capacitance: 100 nF, nom.
• Operating Temperature Range: -55°C to +85°C
• Temperature Coefficient of Capacitance (TCC):
  (±15%, -55°C to +85°C)
• Rated Voltage: 4 WVDC
• Dielectric Withstanding Voltage (DWV): 250% of rated WVDC for 5 secs.
• Insulation Resistance:
  10^11Ω min. @ +25°C @ rated WVDC

◆ Performance Curves – Insertion and Return Loss Charts

◆ Part Numbering
01005 BB 104 M W 4R0
WVDC
Tin Plated over Nickel Barrier (RoHS) Compliant
Capacitance Tolerance (M tolerance = ±20%)
Indicates number of zeros following digits of capacitance in pF
Capacitance Code – First 2 significant digits for capacitance
Passive Plus Series
Case Size