01005BB (.010” x .005”) SERIES

◆ 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 (11.4 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

◆ 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