

01005 (.010" x .005")



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

◆ Performance Curves – Insertion and Return Loss Charts

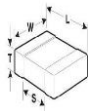
◆ Electrical Specifications

- 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: 10¹¹Ω min. @ +25°C @ rated WVDC



◆ 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.



◆ 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



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