

01005 (.010" x .005")



**01005BB (.010" x .005") 01005BB104MW6R3**

◆ **Product Features**

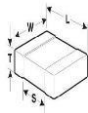
- Typical operating frequency range: 16 kHz (-3 dB point) to > 67 GHz;
- Insertion Loss: < 1 dB, typical; 6.3 WVDC;
- Available in 40K pcs/ reel; Lower quantities available in cut tape

◆ **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: 6.3 WVDC
- Dielectric Withstanding Voltage (DWV): 250% of rated WVDC for 5 secs.
- Insulation Resistance: 10<sup>11</sup>Ω 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.)

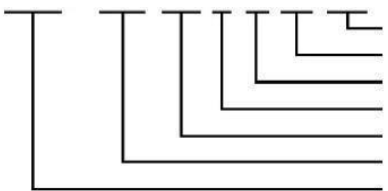


◆ **Test Conditions**

Typical responses for sample placed across a 0.127 mm (5.0 mil) gap; between 0.290 mm (11.4 mil) wide, 0.216 mm (8.5 mil) length mounting pads, on 4-mil Rogers RO4350B. 50-Ohm Trace Width on substrate is 0.203 mm (8 mil). Measured data is de-embedded to the mounting pad edges using TRL calibration procedure.

◆ **Part Numbering**

**01005 BB 104 M W 6R3**



- 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

◆ **Performance Curves – Insertion and Return Loss Charts**

