

0402BB (.040" x .020") 0402BB104 50V

0402 (.040" x .020")



◆ Product Features

- Typical operating frequency range: 16 KHz (-3 dB point) to **50 GHz**;
- Insertion Loss: < 1.2 db, typical; **50 WVDC**;
- Available in **Tin and Gold Terminations**
- 10K pcs/reel; Lower quantities available in cut tape

◆ Performance Curves – Insertion and Return Loss Charts

◆ Electrical Specifications

- Capacitance: 100 nF
- Operating Temperature Range: -55 °C to +125 °C
- Temperature Coefficient of Capacitance (TCC): ±15% (-55 °C to +125 °C)
- Rated Voltage: **50 WVDC**
- Dielectric Withstanding Voltage (DWV): 250% of rated WVDC for 5 secs.
- Insulation Resistance: 10¹¹Ω min. @ +25 °C @ rated WVDC



◆ Mechanical Dimensions

- L = 0.040 in. ±0.004 in. (1.016mm ±0.102mm)
- W = 0.020 in. ±0.004 in. (0.508 mm ±0.102 mm)
- T = 0.024 in. MAX. (0.610 mm MAX.)
- S = 0.016 in. MIN. (0.406 mm MIN.)



◆ Electrical Specifications

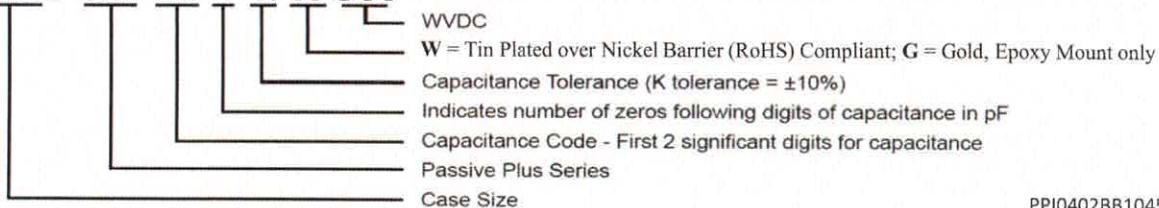
Typical responses for sample placed across a 15.5 mil gap in a 21-mil-wide trace, pad length 12.3 mils on 10-mil RO4350B.

Measurements de-embedded to sample edge using TRL calibration procedures.



◆ Part Numbering

0402 BB 10 4 K W 500



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