**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: 25 WVDC
- Dielectric Withstanding Voltage (DWV): 250% of rated WVDC for 5 secs.
- Insulation Resistance: 10^11 Ω 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 samples placed on a 10-mil-thick Rogers 4350B microstrip board, sample spanning a 10-mil gap in the 20-mil-wide center trace. All using TRL de-embedding procedures.*

**Part Numbering**

0402 BB 10 4 K W 250

0402BB (.040” x .020”) 0402BB104KW250

◆ Product Features

- Typical operating frequency range: 16 KHz (-3 dB point) to 35 GHz;
- Insertion Loss: < 1.2 db, typical; 25 WVDC;
- Available in 10K pcs/reel; Lower quantities available in cut tape.