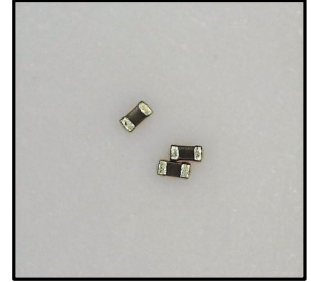


**01005BB104MW6R3**
(0.010" x 0.005")

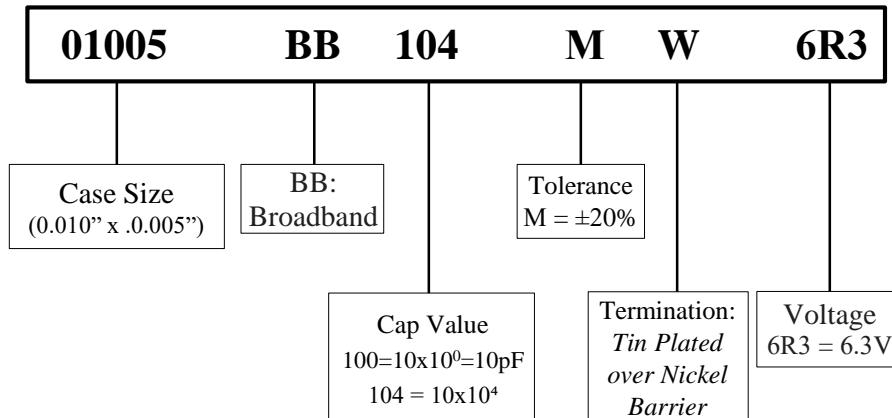
⚡ PPI Broadband Capacitors are subjected to standard measurements (Capacitance, TCC, DWV), and extensive RF Characteristics testing. This guarantees every lot will meet or exceed expectations.

⚡ Product Features

• Typical Operating Frequency Range	16 kHz (-3dB point) to > 67 GHz
• Insertion Loss	< 1dB, typical
• Tape & Reel	40K pcs/reel; Lower quantities available in cut tape
• Capacitance	100nF, 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 seconds



⚡ Part Numbering

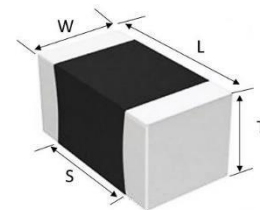


Code	Termination
W	Tin Plated Over Nickel Barrier (RoHS Compliant)
G	Gold Epoxy Mount Only

*Gold terminated parts are only available in waffle packs.

⚡ Capacitor Dimensions

Length	Width	Thickness	Gap
L	W	T	S
0.016 in \pm 0.001 (0.40mm \pm 0.02mm)	0.008 in \pm 0.001 (0.20mm \pm 0.02mm)	0.008 in \pm 0.001 (0.20mm \pm 0.02mm)	0.005 in min (0.13mm min)

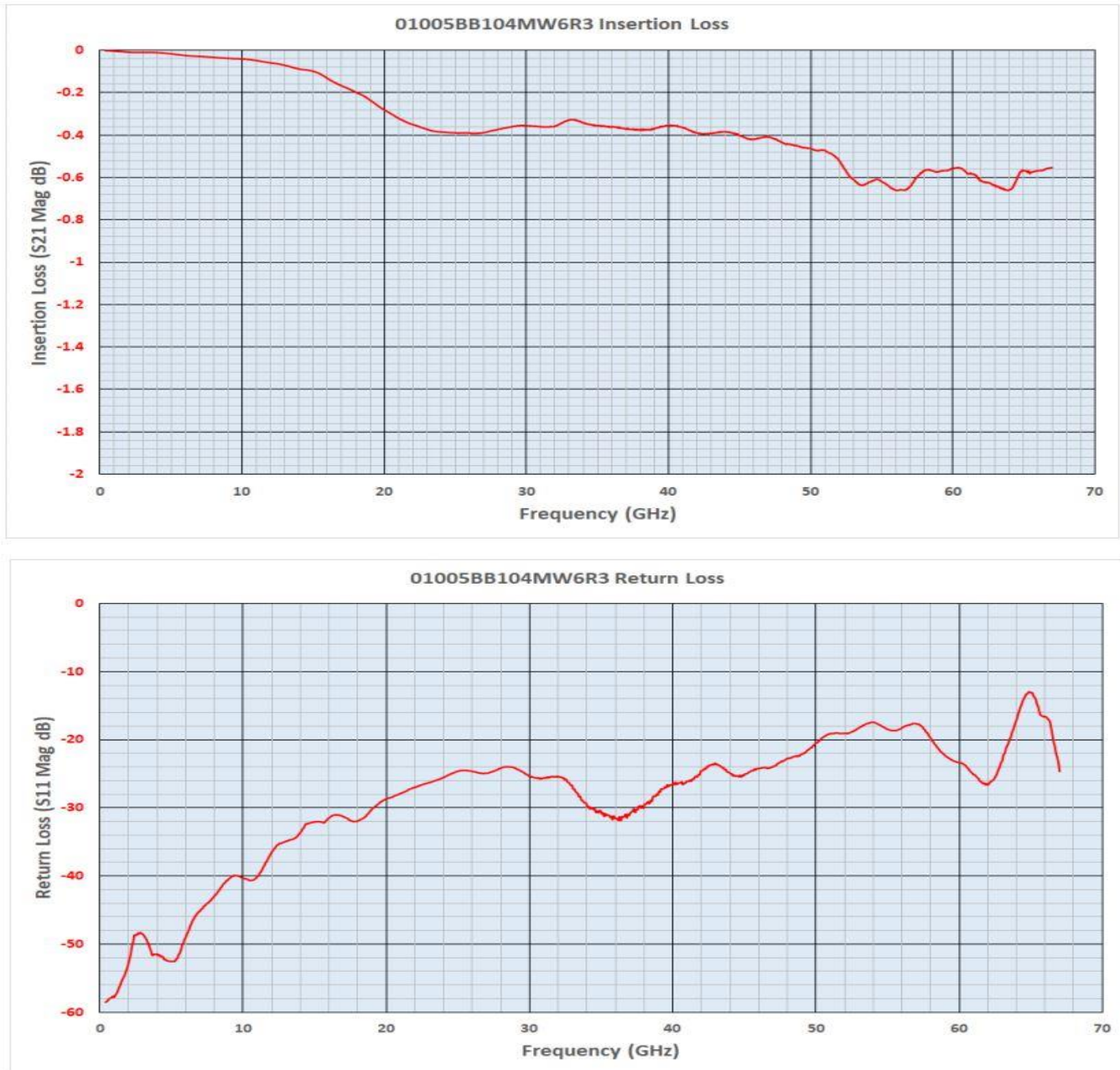




Broadband Multi-Layer Capacitors

01005BB104MW6R3
(0.010" x 0.005")

Performance Curves



Test Conditions

 **Modelithics®**

Typical responses for sample placed across a 5.0 mil (0.127 mm) gap between 11.4 mil (0.290 mm) wide, 8.5 mil (0.216 mm) long mounting pads on 4-mil Rogers RO4350B.

Presented data is de-embedded to the mounting pad edges using TRL calibration procedures.

Substrate/Pad Scalable Model available through Modelithics.