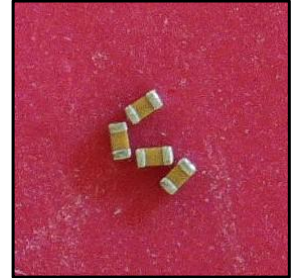




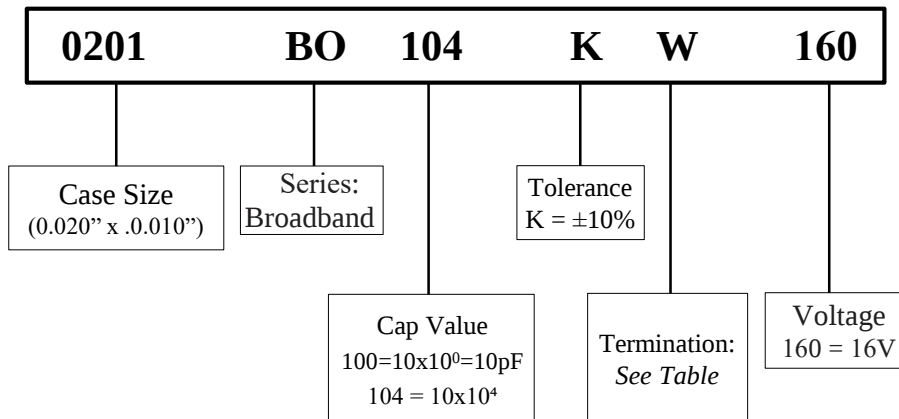
⚡ PPI Broadband Capacitors are subjected to standard measurements (Capacitance, TCC, DWV), and extensive RF Characteristics testing. This guarantees every lot will meet or exceed expectations.

⚡ Product Features

• Typical Operating Frequency Range	16 kHz (-3dB point) to > 30 GHz
• Insertion Loss	< 0.6 dB, typical
• Tape & Reel	15K pcs/reel; Lower quantities available in cut tape
• Capacitance	100nF
• Operating Temperature Range	-55°C to +125°C
• Temperature Coefficient of Capacitance (TCC)	(±15%, -55°C to +125°C)
• Rated Voltage	16 WVDC
• Dielectric Withstanding Voltage (DWV)	250% of rated WVDC for 5 seconds



⚡ Part Numbering



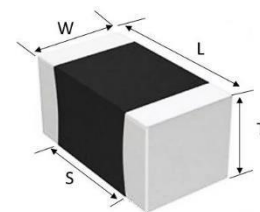
⚡ Terminations

Code	Termination
W	Tin Plated over Nickel Barrier (RoHS Compliant)
G	Gold Epoxy Mount Only
L	Tin/Lead (90%Sn/10%Pb)



⚡ Capacitor Dimensions

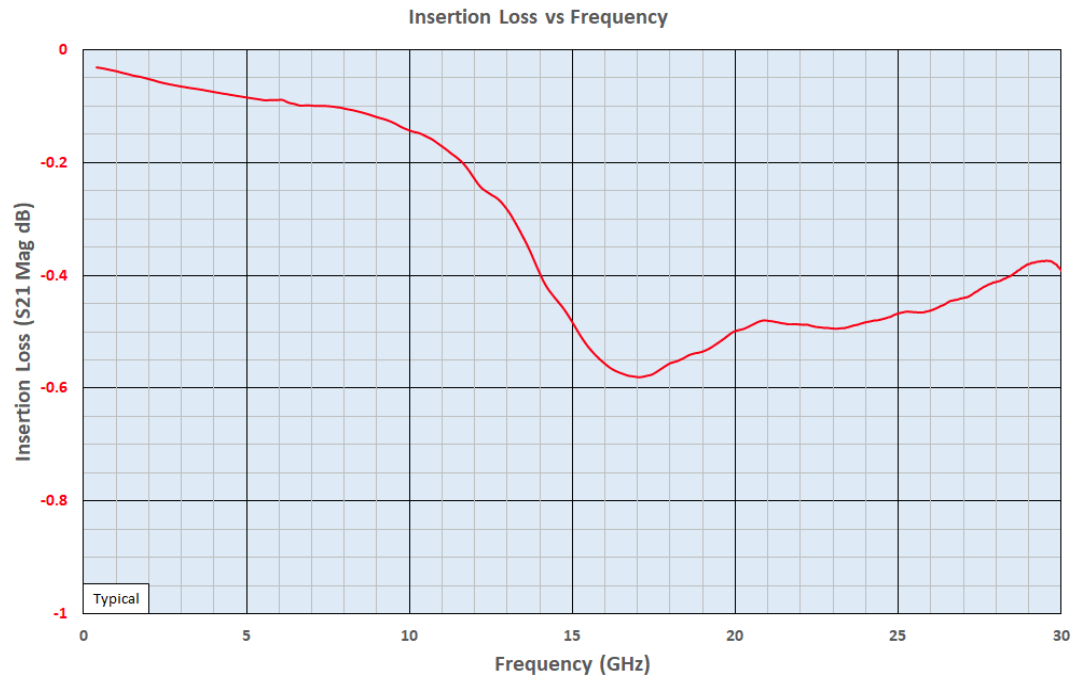
Length	Width	Thickness	Gap
L	W	T	S
0.023 in. ± 0.002 (0.58mm ± 0.06 mm)	0.012 in. ± 0.002 (0.30mm ± 0.06 mm)	0.013 in. Max. (0.33mm)	0.017 in. Typ. (0.43 min)



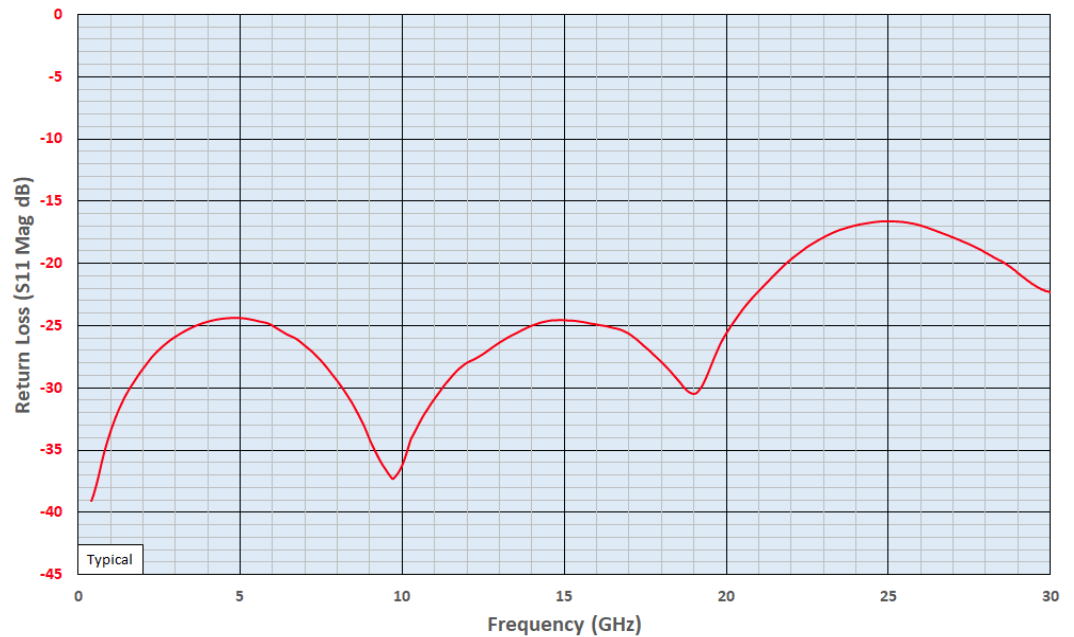


Performance Curves

Insertion Loss



Return Loss



Test Conditions

Typical responses for sample placed across a 5 mil (0.127 mm) gap between 13.8 mil (0.351 mm) wide, 8.5 mil (0.216 mm) long mounting pads on 6.6-mil Rogers RO4350B.

Measured data was de-embedded to the mounting pad edges using TRL calibration procedures.

Substrate/Pad Scalable Model available through Modelithics.