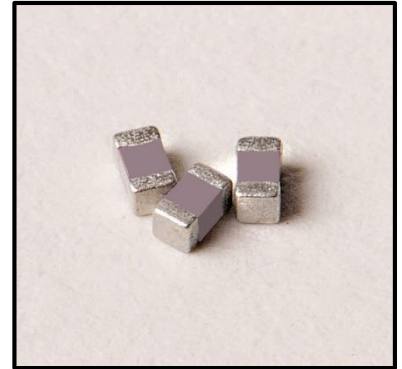




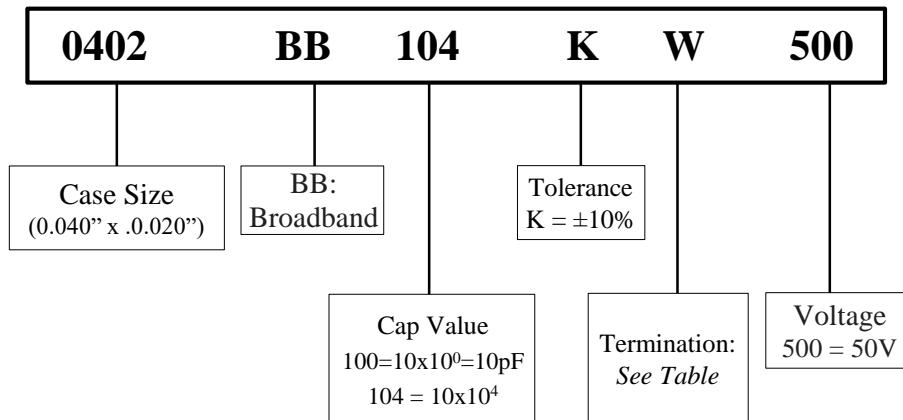
0402BB104KW500
(0.040" x 0.020")

Product Features

• Typical Operating Frequency Range	16 kHz (-3dB point) to > 50 GHz
• Insertion Loss	< 1.2dB, typical
• Tape & Reel	10K 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	50 WVDC
• Dielectric Withstanding Voltage (DWV)	250% of rated WVDC for 5 seconds
• Insulation Resistance	10 \wedge 11 Ω min @ +25°C @ rated WVDC



Part Numbering

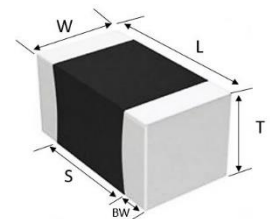


Capacitor Dimensions

Length	Width	Thickness	Gap
L	W	T	S
0.040 in. ± 0.004 (1.016mm ± 0.102mm)	0.020 in. ± 0.004 (0.508mm ± 0.102mm)	0.024 in. MAX (0.610mm MAX)	0.016 in. MIN (0.406 min MIN)

Terminations

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

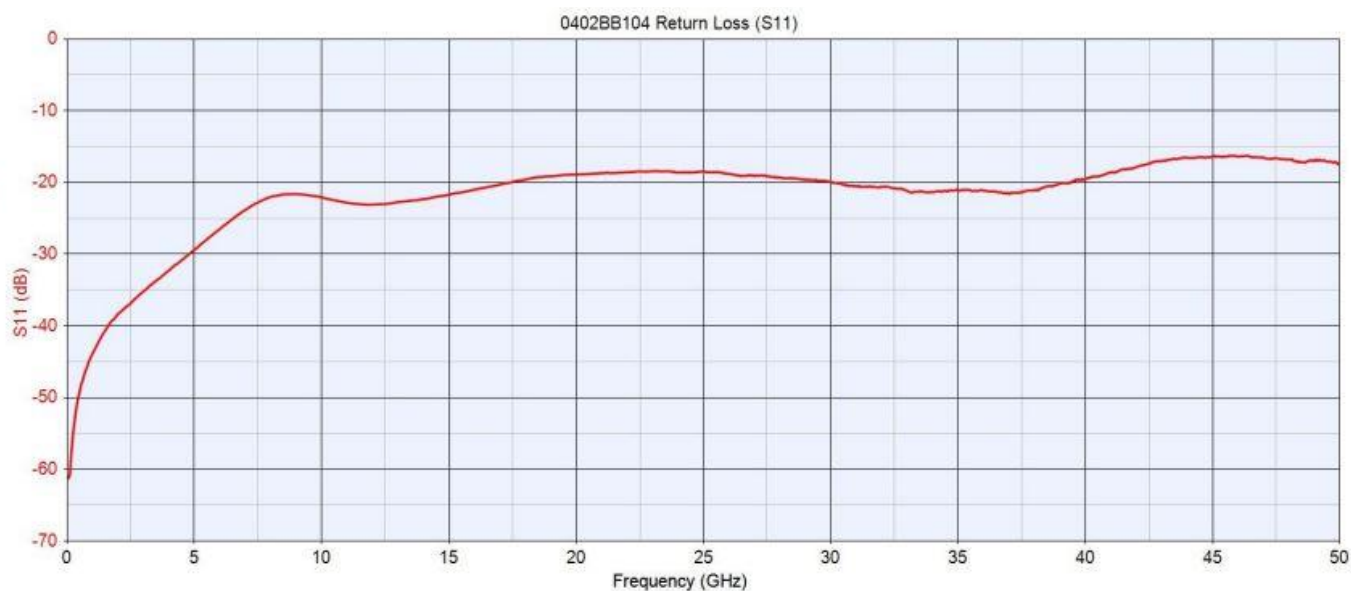




Broadband Capacitors

0402BB104KW500
(0.040" x 0.020")

⚡ Performance Curves



⚡ Test Conditions

Typical responses for sample placed across a 15.5 mil gap in a 21-mil-wide trace on 10-mil Rogers RO4350B.

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