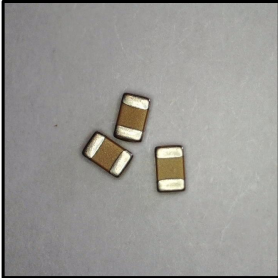




0805BB103KW101
(0.080" x 0.050")

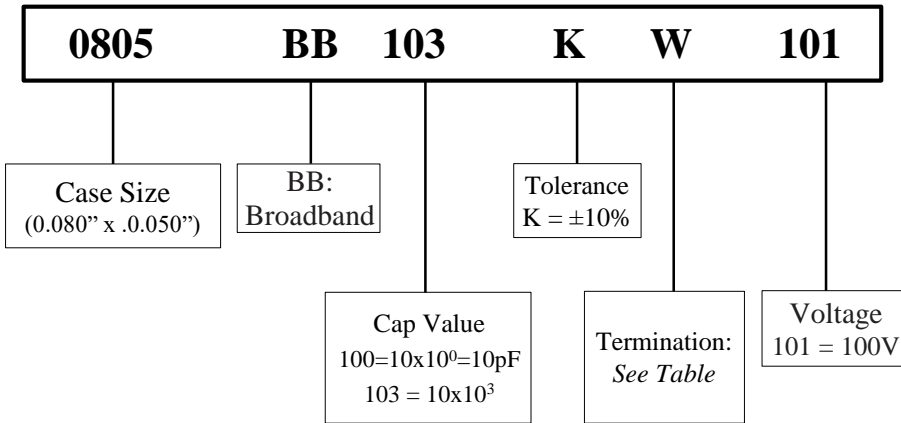
≠ PPI Broadband Capacitors are subjected to standard measurements (Capacitance, TCC, DWV), and extensive RF Characteristics testing. This guarantees every lot will meet or exceed expectations.



≠ **Product Features**

• Typical Operating Frequency Range	160 kHz (-3dB point) to > 3 GHz
• Insertion Loss	< 0.25dB, typical
• Tape & Reel	4K pcs/reel; Lower quantities available in cut tape
• Capacitance	10nF
• Operating Temperature Range	-55°C to +125°C
• Temperature Coefficient of Capacitance (TCC)	(±15%, -55°C to +125°C)
• Rated Voltage	100 WVDC
• Dielectric Withstanding Voltage (DWV)	250% of rated WVDC for 5 seconds

≠ **Part Numbering**



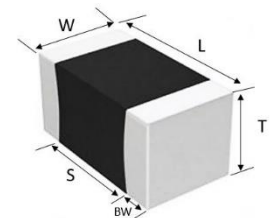
≠ **Terminations**

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
0.080 in. ± 0.006 (2.03mm ± 0.15mm)	0.050 in. ± 0.006 (1.27mm ± 0.15mm)	0.040 in. MAX (1.02mm MAX)	0.044 in. MIN (1.12 min MIN)





⚡ Performance Curves



⚡ Test Conditions

Typical responses for a horizontally oriented sample (electrodes parallel to plane of substrate) placed across a 25.5 mil (0.648 mm) gap across a 42.5 mil (1.08 mm) wide trace on 20-mil Rogers 4003C. Measurements are de-embedded to sample edge using TRL calibration procedures.