

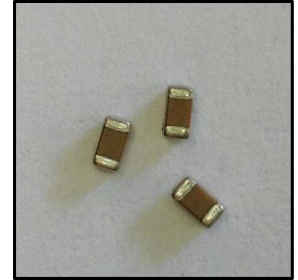


0603BB104KW101
(0.060" x 0.030")

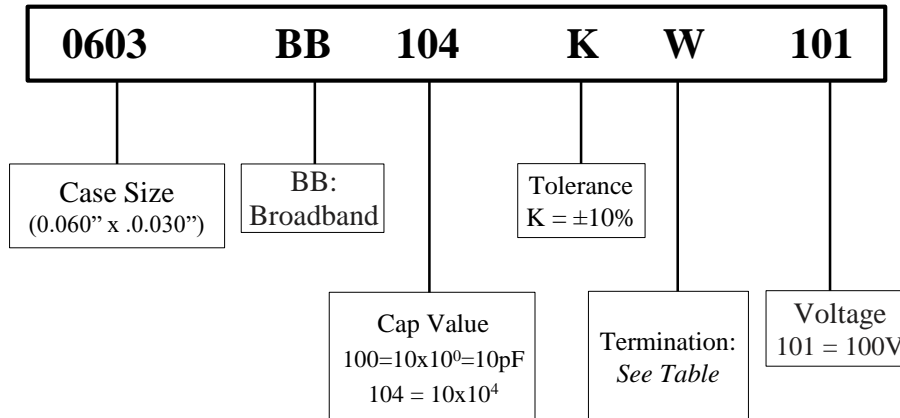
≠ PPI Broadband Capacitors are subjected to standard measurements (Capacitance, TCC, DWV), and extensive RF Characteristics testing. This guarantees every lot will meet or exceed expectations.

≠ **Product Features**

| | |
|--|---|
| • Typical Operating Frequency Range | 16 kHz (-3dB point) to > 20 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 | 100 WVDC |
| • Dielectric Withstanding Voltage (DWV) | 250% of rated WVDC for 5 seconds |



≠ **Part Numbering**



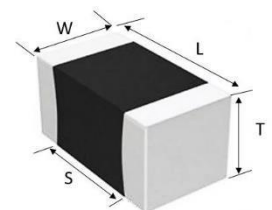
≠ **Terminations**

| 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 |
| 0.060 in. ± 0.006 (1.52mm ± 0.15mm) | 0.030 in. ± 0.006 (0.76mm ± 0.15mm) | 0.035 in. MAX (0.890 mm MAX) | 0.020 in. MIN (0.510 min MIN) |





≠ Performance Curves



≠ Test Conditions

Typical responses for sample placed across a 36 mil (0.914 mm) gap between 29.0 mil (0.737 mm) wide trace on 13.3-mil Rogers RO4350B.

Measured data was de-embedded using TRL calibration procedures.