



**FOR IMMEDIATE RELEASE**

Contact: Stephen Waldenburg  
 Passive Plus, Inc.  
 PH: 631 425-0938 Fax: 631 425-0847  
 Email: [swaldenburg@passiveplus.com](mailto:swaldenburg@passiveplus.com)  
[www.passiveplus.com](http://www.passiveplus.com)

**PASSIVE PLUS, INC. BROADBAND CAPACITORS:  
 16 kHz TO > 67 GHz**

**Huntington, New York --- February 2019**

Passive Plus, Inc. (PPI) has developed a series of Broadband Capacitors available in 4 different case sizes: 01005BB, 0201BB, 0402BB, and 0805BB. Values available are 10nF (10,000 pF) and 100nF (100,000 pF).

These capacitors are intended primarily for coupling RF signals or, occasionally, for bypassing them to ground, while blocking DC. The applications for which they are intended require small, surface-mountable devices that provide low RF impedances, i.e., low insertion losses and reflections, across extremely large RF bandwidths and temperatures typically ranging from -55 to +125° C.

Applications for the Broadband series are primarily found in the "signal integrity" market:

- Optoelectronics/highspeed data
- ROSA/TOSA (Transmit/Receive optical subassemblies)
- SONET (Synchronous Optical Networks)
- Broadband test equipment
- Broadband microwave and millimeter wave amplifiers and oscillators

Customers requiring surface-mountable, 10nF or 100nF capacitors that provide resonance-free, low insertion loss, low reflection operation over extremely large RF bandwidths will be well served by PPI's Broadband series.

<p><b>01005BB104MW4R0</b> (.010" x .005"):            * Frequency range: 16 kHz (- 3 dB point) to &gt; 67 <b>GHz</b>            * 4 WVDC            * Insertion Loss: &lt; 1 db, typical            * Available in <b>Tin</b></p>	<p><b>0402BB104KW500</b> (.040" x .020"):            * Frequency range:16 kHz (-3 dB point) to 50 <b>GHz</b>            * 50 WVDC            * Insertion Loss: &lt; 1.2 db, typical            * Available in <b>Tin, RoHS Tin/Lead,</b>            and <b>Gold</b> terminations</p>
<p><b>0201BB104KW160</b> (.020" x .010"):            * Frequency range: 16 kHz (- 3 dB point) to &gt; 40 <b>GHz</b>            * 16 WVDC            * Insertion Loss: &lt; 1 db, typical            * Available in <b>Tin, RoHS Tin/Lead,</b>            and <b>Gold</b> terminations</p>	<p><b>0805BB103KW101</b> (.080" x .050"):            * Frequency range: 160 kHz (-3 dB point) to 3 <b>GHz</b>            * 100 WVDC            * Insertion Loss: &lt; 0.25 db, typical            * Available in <b>Tin</b> and <b>RoHS Tin/Lead</b> terminations</p>

Contact Passive Plus directly at (631) 425-0938 or [sales@passiveplus.com](mailto:sales@passiveplus.com) for quotes, pricing, orders, custom assembly requests or specific engineering questions.