



FOR IMMEDIATE RELEASE

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Broadband Components: Paired Broadband Capacitors with Resistors for High Frequency Applications

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Passive Plus, Inc. (PPI) has partnered its Broadband Capacitors with its Broadband Resistors for similar case size and footprint to meet your high frequency needs. The 01005BB104 (100nF) Broadband Multilayer Ceramic Capacitor is complemented by the R35-1209BB50R00FR1QE Broadband Resistor, and the 0201BB104KW160 Broadband Multilayer Ceramic Capacitor is complemented by the R35-2010BB50R00FR1QE Broadband Resistor.

01005BB104MW6R3*		R35-1209BB50R00FR1QE**	
Capacitance:	100nF	Resistance:	50Ω
Size:	.010" x .005"	Size:	.012" x .009"
WVDC:	6.3V	Power:	50 mW
TCC:	±15%, (-55°C to +85°C)	TCC:	±150ppm/°C -55°C to +150°C
Typical Operating Frequency:	16 kHz (-3dB point) to >67 GHz	Typical Operating Frequency:	DC to 67 GHz
Insertion Loss:	< 1 dB	Metallization:	A=Tantalum/Palladium/Gold (Ta/Pd/Au) R=Titanium/Platinum/Gold (Ti/Pt/Au)
Termination:	W=Tin Plated over Nickel Barrier (RoHS) Compliant	Power Derating	Full power up to 70°C Derated linearly to zero power at 150°C
0201BB104KW160*		R35-2010BB50R00FR1QE**	
Capacitance:	100nF	Resistance:	50Ω
Size:	.020" x .010"	Size:	.020" x .010"
WVDC:	16V	Power:	100 mW
TCC:	±15%, (-55°C to +125°C)	TCC:	±150ppm/°C -55°C to +150°C
Typical Operating Frequency:	16 kHz (-3dB point) to >40 GHz	Typical Operating Frequency:	DC to 67 GHz
Insertion Loss:	< 1 dB typical	Metallization:	A=Tantalum/Palladium/Gold (Ta/Pd/Au) R=Titanium/Platinum/Gold (Ti/Pt/Au)
Termination:	W=Tin Plated over Nickel Barrier (RoHS) Compliant G=Gold L=Tin/Lead (90%Sn/10%Pb)	Power Derating	Full power up to 70°C Derated linearly to zero power at 150°C

*Modelithics Modeling Data available on PPI Website

**Modelithics 3D Modeling Data available on PPI Website

For more information on the 01005BB104MW6R3 Broadband Capacitors visit:

<https://www.passiveplus.com/pdf/PPI-01005BB104-MW6R3.DATASHEET.pdf>

For more information on the R35-1209BB50R00FR1QC Broadband Resistor visit:

<https://www.passiveplus.com/pdf/PPI-BBRESISTOR1209BB50R.DATASHEET.pdf>

For more information on the 0201BB104KW160 Broadband Capacitors visit:

<https://www.passiveplus.com/pdf/PPI-0201BB104.DATASHEET.pdf>

For more information on the R35-2010BB50R00FR1QE Broadband Resistor visit:

<https://www.passiveplus.com/pdf/PPI-BBRESISTOR2010BB50R.DATASHEET.pdf>

Always committed to producing the highest quality product on the market, PPI maintains a fully equipped R&D and testing facility ensuring a wide range of superior Broadband Components. PPI works with requesting engineers to determine best assembly for their applications.

Datasheets, and Modelithics® generated S-Parameter (S2P) Data can be found at <https://www.passiveplus.com/>. In addition, PPI's C.A.P. (Capacitor Application Program) is available at www.passiveplus.net. C.A.P. allows engineers to insert capacitor requirements (Cap value, Frequency) to produce S-Parameter data, ESR, Q & Impedance Charts, and datasheets according to the engineer's specifications.

PPI is known for their outstanding Customer Service, high quality product line, competitive pricing, and quick delivery times. While other companies are pushing out their lead-times for product delivery, PPI is committed to delivering our quality components as quickly as possible.

PPI is a manufacturer of high-performance RF/Microwave passive components specializing in High-Q, Low ESR/ESL Capacitors, Broadband Capacitors, Single Layer Capacitors, Non-Magnetic Chip Resistors and Thin Film Resistors, and Trimmer Capacitors for the Medical, Semiconductor, Military, Broadcast, and Telecommunications Industries.

PPI is ISO9001 certified.

Contact PPI directly at +1 (631) 425-0938 or sales@passiveplus.com for quotes, pricing, orders, custom requests or specific engineering questions.