

BNC Male to BNC Male Adapter



PE910109

Configuration

- BNC Male Connector 1
- BNC Male Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

Features

- Max VSWR of 1.2:1 up to 4 GHz
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test

Description

Pasternack's PE910109 BNC male to BNC male adapter is part of our full line of RF components available for same-day shipping. Our BNC to BNC adapter has a male to male gender configuration. PE910109 BNC male to BNC male adapter operates to 4 GHz. The Pasternack RF adapter provides excellent VSWR of 1.2:1 maximum.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Insertion Loss			0.12	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.43 in [36.40 mm]
Width	0.57 in [14.50 mm]
Height	1.43 in [36.40 mm]
Weight	0.50 lbs [226.80 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	500

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Description	Connector 1	Connector 2
Mating Torque	0.6 to 2.5 in-lbs 0.07 to 0.28 Nm	0.6 to 2.5 in-lbs 0.07 to 0.28 Nm
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	6.1 lbs [2.77 kg]
Coupling Retention, Min	101.2 lbs [45.9 kg]	101.2 lbs [45.9 kg]

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	BNC Male		BNC Male	
Contact	Brass	Gold over Nickel over Copper	Brass	Gold over Nickel over Copper
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Copper-Tin-Zinc Alloy	Brass	Copper-Tin-Zinc Alloy
Body	Brass	Copper-Tin-Zinc Alloy	Brass	Copper-Tin-Zinc Alloy
Gasket	Silicone		Silicone	
Washer	Brass	Copper-Tin-Zinc Alloy	Brass	

Environmental Specifications

Temperature

Operating Range

-65 to +165 °C

Humidity

MIL-STD-202, Method 206

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

BNC Male to BNC Male Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to BNC Male Adapter PE910109](#)

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE910109 CAD Drawing

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