

## BNC Female to BNC Female Hermetically Sealed Bulkhead Adapter, Commercial Grade



### PE910102

#### Configuration

- BNC Female Connector 1
- BNC Female Connector 2
- 50 Ohms Impedance
- Commercial Grade Design
- Straight Body Geometry
- Bulkhead Mount Method

#### Features

- Max VSWR of 1.5:1 up to 4 GHz
- Gold Plated Brass Contact
- Provides In-Series BNC to BNC Connections
- Operates to 4 GHz
- Max VSWR of 1.5:1
- Gold Plated Center Contacts
- Bulkhead Mount

#### Applications

- General Purpose Test
- Rack Mounted Equipment
- Input / Output Port
- Commercial Products to 4 GHz
- Test and Measurement Applications

#### Description

Pasternack's PE910102 bulkhead BNC female to BNC female adapter is part of our full line of RF components available for same-day shipping. Our BNC to BNC adapter has a female to female gender configuration in a commercial grade design. PE910102 BNC female to BNC female adapter operates to 4 GHz. The Pasternack RF adapter provides good VSWR of 1.5:1 maximum. This RF BNC bulkhead to BNC adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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			1.5:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms

#### Mechanical Specifications

##### Size

Length	1.56 in [39.62 mm]
Width	0.69 in [17.53 mm]

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Height	0.69 in [17.53 mm]	
Weight	0.05 lbs [22.68 g]	
Description	Connector 1	Connector 2
Polarity	Standard	Standard

### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	BNC Female		BNC Female	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel	Brass	Nickel
Body	Brass	Nickel	Brass	Nickel
Gasket	Rubber		PTFE	
Washer	Brass	Nickel		

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 °C

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

### Plotted and Other Data

BNC Female to BNC Female Hermetically Sealed Buckhead Adapter, Commercial Grade 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 Female to BNC Female Hermetically Sealed Buckhead Adapter, Commercial Grade PE910102](#)

URL: <https://www.pasternack.com/commercial-grade-bulkhead-mount-bnc-female-to-bnc-female-adapter-pe910102.html>

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.

PE910102 CAD Drawing

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