

## Hermetically Sealed BNC Female to BNC Female Bulkhead Mount Adapter, For 1 inch Max. Panel

### PE9420



#### Configuration

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

#### Features

- Hermetically Sealed
- BNC interface compliant with MIL-STD-348A
- Contact plating according to QQ-S-365
- Silver Plated Beryllium Copper Contact
- Hermetically Sealed
- BNC Interface compliant with MIL-STD-348
- Silver Plated Contact
- Contact Plating per QQ-S-365

#### Applications

- General Purpose Test
- Vacuum Test Environment
- Rack Mounted Equipment
- General Purpose Test
- Vacuum Test Environment
- Rack Mounted Equipment

#### Description

Pasternack's PE9420 hermetically sealed BNC female to BNC female bulkhead 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. PE9420 BNC female to BNC female adapter operates to 4 GHz. This RF BNC to BNC bulkhead 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. This hermetic BNC to BNC adapter prevents the leakage of gases, making it suitable for high pressure or vacuum applications or whenever an airtight seal is required.

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
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

#### Mechanical Specifications

##### Size

Length	2.28 in [57.96 mm]
Width	0.69 in [17.45 mm]
Weight	0.08 lbs [35.61 g]

## Hermetically Sealed BNC Female to BNC Female Bulkhead Mount Adapter, For 1 inch Max. Panel

### PE9420



Description	Connector 1	Connector 2
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A
Connector Option	Hermetically Sealed	Hermetically Sealed
Mating Cycles, Min	500	500

### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	BNC Female		BNC Female	
Contact	Beryllium Copper	Silver QQ-S-365	Beryllium Copper	Silver QQ-S-365
Insulation	PTFE		PTFE	
Outer Conductor		Nickel QQ-N-290		Nickel QQ-N-290
Body	Brass	Nickel	Brass	Nickel
Gasket	Silicone		Silicone	
Washer	Phosphor Bronze	Nickel	Phosphor Bronze	Nickel
Coupling Nut	Brass	Nickel	Brass	Nickel

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 °C

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

### Plotted and Other Data

Hermetically Sealed BNC Female to BNC Female Bulkhead Mount Adapter, For 1 inch Max. Panel 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: [Hermetically Sealed BNC Female to BNC Female Bulkhead Mount Adapter, For 1 inch Max. Panel PE9420](#)

URL: <https://www.pasternack.com/hermetically-sealed-bnc-female-to-bnc-female-bulkhead-mount-adapter-for-1-inch-max.-panel-pe9420.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.

PE9420 CAD Drawing

Hermetically Sealed BNC Female to BNC Female Bulkhead Mount Adapter, For 1 inch Max. Panel

