



Bulkhead Mount Isolated Ground BNC Female to BNC Female Bulkhead Mount Adapter

RF Adapters Technical Data Sheet

PE9172

Configuration

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

Features

- Max VSWR of 1.5:1 up to 4 GHz
- Isolated Ground
- 30μ in. minimum contact plating
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Rack Mounted Equipment

Description

Pasternack's PE9172 bulkhead isolated ground 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. PE9172 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 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.

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
VSWR			1.5:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	1.28 in [32.51 mm]
Width	0.61 in [15.49 mm]
Weight	0.03 lbs [13.61 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Bulkhead Mount Isolated Ground BNC Female to BNC Female Bulkhead Mount Adapter PE9172](#)



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Description	Connector 1	Connector 2
Type	BNC Female	BNC Female
Polarity	Standard	Standard
Connector Option	Isolated Ground	Isolated Ground
Hex Size	16 mm	

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	BNC Female		BNC Female	
Contact	Brass	Gold 30μ in. minimum	Brass	Gold 30μ in. minimum
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel 100μ in. minimum	Brass	Nickel 100μ in. minimum
Body	Brass	Nickel 100μ in. minimum	Brass	Nickel 100μ in. minimum
Gasket	ABS			
Washer	Steel	Nickel	Brass	Nickel

Environmental Specifications

Temperature

Operating Range

-40 to +60 deg C

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

Plotted and Other Data

Notes:

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Bulkhead Mount Isolated Ground BNC Female to BNC Female Bulkhead Mount 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.

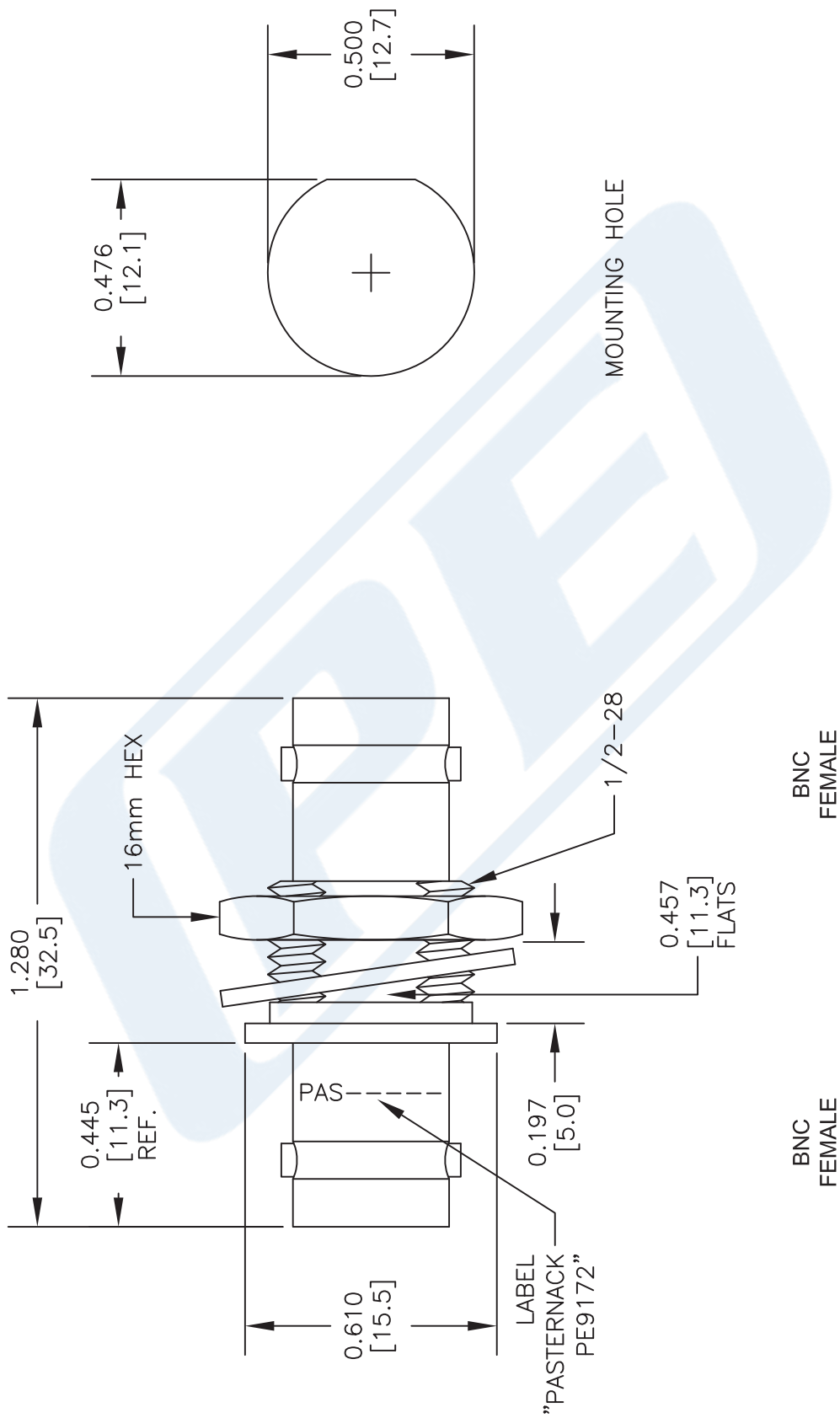
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements.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

PE9172 CAD Drawing

Bulkhead Mount Isolated Ground BNC Female to BNC Female Bulkhead Mount Adapter



DWG TITLE

PE9172

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

FSCM NO. 53919

CAD FILE 021016

SCALE N/A

SIZE A

3045

PE PASTERNAK
THE ENGINEER'S RF SOURCE

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