



## Bulkhead SMB Plug to BNC Female Adapter

### RF Adapters Technical Data Sheet

PE9241

#### Configuration

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

#### Features

- Typical VSWR of 1.3:1 up to 3 GHz
- Gold Plated Brass Contact

#### Applications

- Allows Connection Between Series
- General Purpose Test
- Rack Mounted Equipment

#### Description

Pasternack's PE9241 bulkhead SMB plug to BNC female adapter is part of our full line of RF components available for same-day shipping. Our SMB to BNC adapter has a plug to female gender configuration. PE9241 SMB plug to BNC female adapter operates to 3 GHz. This RF SMB 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      |         | 3       | GHz   |
| VSWR            |         | 1.3:1   |         |       |

Electrical Specification Notes:  
 Values at 25°C, sea level.

#### Mechanical Specifications

| Size   |                     |
|--------|---------------------|
| Length | 1.2 in [30.48 mm]   |
| Width  | 0.688 in [17.48 mm] |
| Weight | 0.034 lbs [15.42 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Bulkhead SMB Plug to BNC Female Adapter PE9241](#)



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| Description | Connector 1 | Connector 2 |
|-------------|-------------|-------------|
| Type        | SMB Plug    | BNC Female  |
| Polarity    | Standard    | Standard    |

**Material Specifications**

| Description     | Connector 1 |         | Connector 2 |         |
|-----------------|-------------|---------|-------------|---------|
|                 | Material    | Plating | Material    | Plating |
| Type            | SMB Plug    |         | BNC Female  |         |
| Contact         | Brass       | Gold    | Brass       | Gold    |
| Insulation      | PTFE        |         | PTFE        |         |
| Outer Conductor |             |         | Brass       | Nickel  |
| Body            | Brass       | Nickel  |             |         |
| Gasket          | Silicone    |         |             |         |
| Coupling Nut    | Brass       | Nickel  |             |         |

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Bulkhead SMB Plug to BNC Female Adapter PE9241](#)

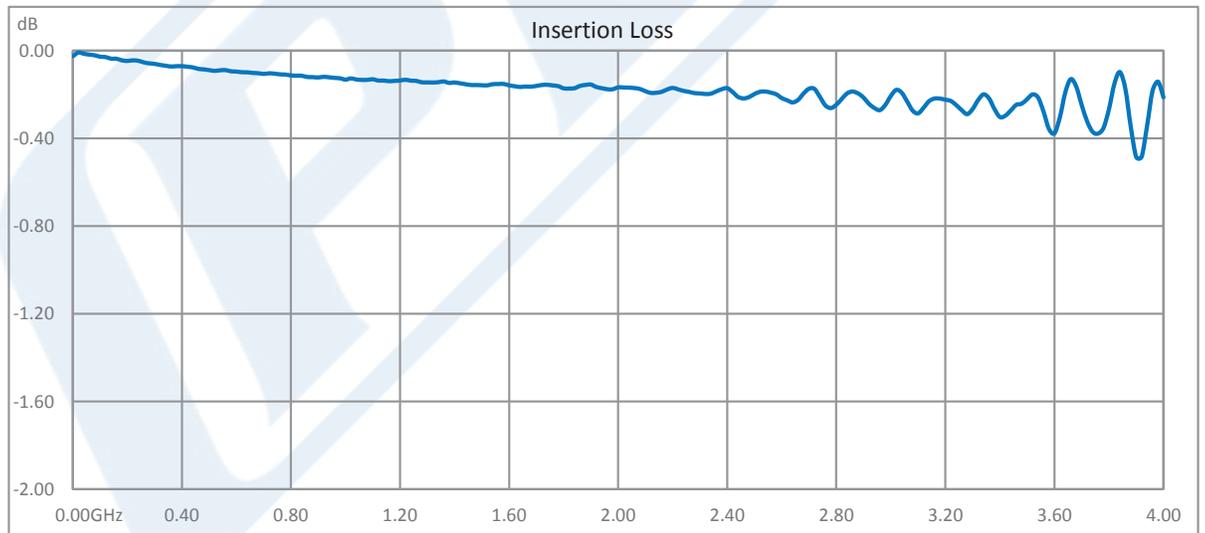
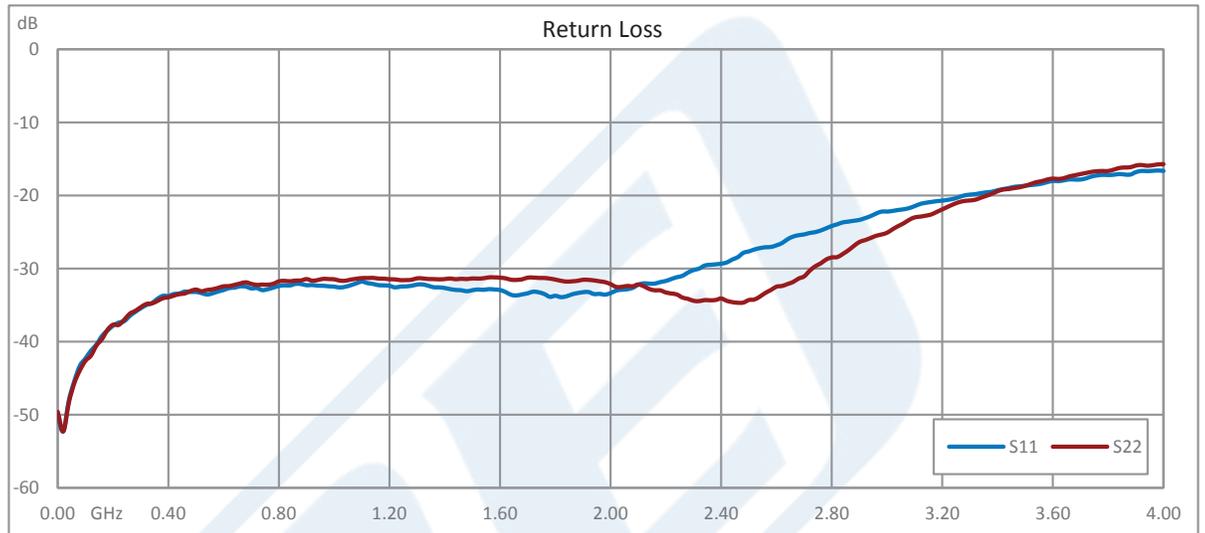


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Typical Performance Data



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Bulkhead SMB Plug to BNC Female Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

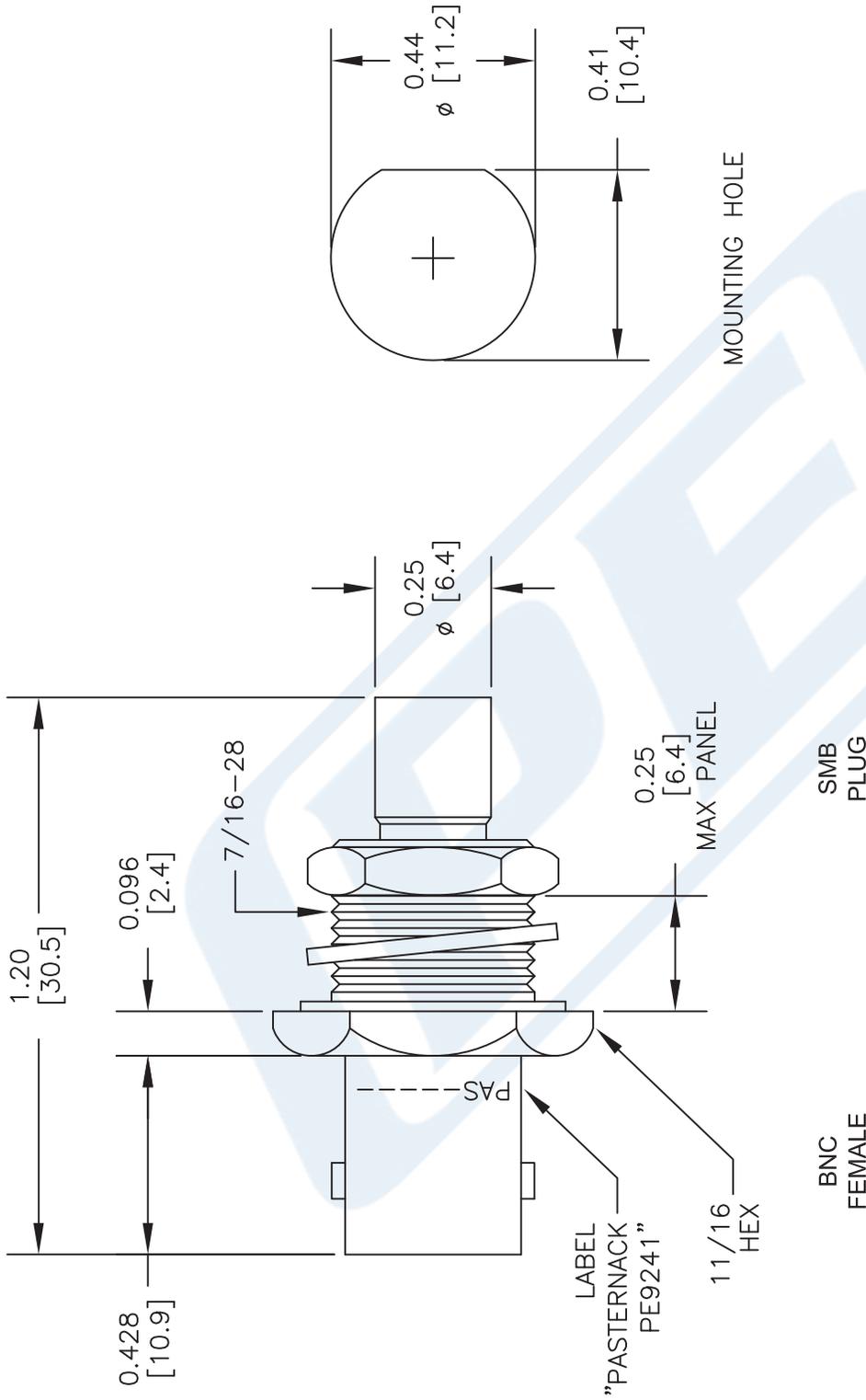
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Bulkhead SMB Plug to BNC Female Adapter PE9241](https://www.pasternack.com/smb-plug-bnc-female-straight-adapter-pe9241-p.aspx)

URL: <https://www.pasternack.com/smb-plug-bnc-female-straight-adapter-pe9241-p.aspx>

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.

# PE9241 CAD Drawing

## Bulkhead SMB Plug to BNC Female Adapter



**STANDARD TOLERANCES**  
 .X ±0.2  
 .XX ±0.1  
 .XXX ±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

**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].

DWG TITLE  
**PE9241**

FSCM NO. 53919

CAD FILE 061316

SCALE N/A

SIZE A

2233

**PE PASTERNAK®**  
 THE ENGINEER'S RF SOURCE

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