



## SMC Plug to BNC Female Adapter

### RF Adapters Technical Data Sheet

PE9141

#### Configuration

- SMC Plug Connector 1
- BNC Female Connector 2
- 50 Ohm
- Straight Body Geometry

#### Features

- Max VSWR of 1.3:1 up to 4 GHz
- SMC interface compliant with MIL-STD-348A
- BNC interface compliant with MIL-STD-348A
- 30 µ-in minimum contact plating
- Gold Plated Beryllium Copper Contact

#### Applications

- Allows Connection Between Series
- General Purpose Test

#### Description

Pasternack's PE9141 SMC plug to BNC female adapter is part of our full line of RF components available for same-day shipping. Our SMC to BNC adapter has a plug to female gender configuration. PE9141 SMC plug to BNC female adapter operates to 4 GHz. The Pasternack RF adapter provides good VSWR of 1.3:1 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   |
| VSWR                   |         |         | 1.3:1   |       |
| Operating Voltage (AC) |         |         | 335     | Vrms  |

#### Mechanical Specifications

|             |                     |
|-------------|---------------------|
| <b>Size</b> |                     |
| Length      | 1.287 in [32.69 mm] |
| Width       | 0.453 in [11.51 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: [SMC Plug to BNC Female Adapter PE9141](#)



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| Description             | Connector 1  | Connector 2  |
|-------------------------|--------------|--------------|
| Type                    | SMC Plug     | BNC Female   |
| Polarity                | Standard     | Standard     |
| Interface Specification | MIL-STD-348A | MIL-STD-348A |
| Hex Size                | 1/4 in       |              |

#### Material Specifications

| Description     | Connector 1      |                            | Connector 2      |                            |
|-----------------|------------------|----------------------------|------------------|----------------------------|
|                 | Material         | Plating                    | Material         | Plating                    |
| Type            | SMC Plug         |                            | BNC Female       |                            |
| Contact         | Beryllium Copper | Gold<br>30 µ-in minimum    | Beryllium Copper | Gold<br>30 µ-in minimum    |
| Insulation      | PTFE             |                            | PTFE             |                            |
| Outer Conductor |                  |                            | Brass            | Nickel<br>100 µ-in minimum |
| Body            | Brass            | Nickel<br>100 µ-in minimum |                  |                            |
| Coupling Nut    | Brass            | Nickel<br>100 µ-in minimum |                  |                            |

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

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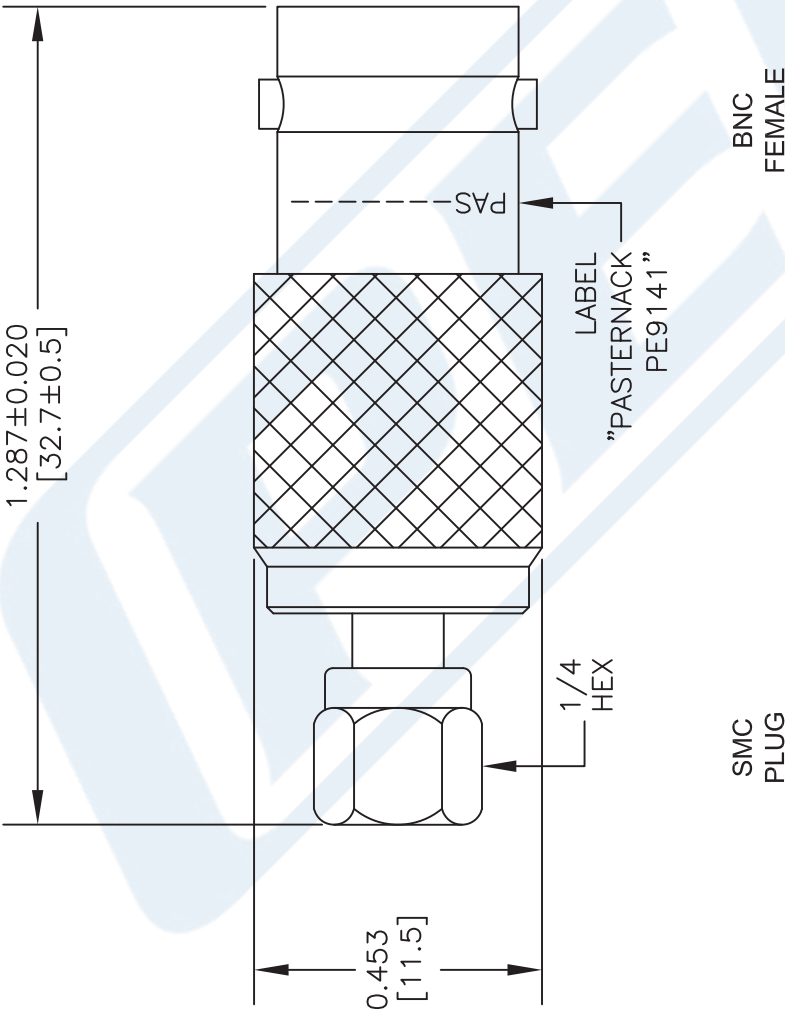
SMC Plug to BNC Female Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Plug to BNC Female Adapter PE9141](#)

URL: <https://www.pasternack.com/smc-plug-bnc-female-straight-adapter-pe9141-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.

PE9141 CAD Drawing  
SMC 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 |  | FSCM NO. 53919 |  | CAD FILE 022216 |  | SCALE N/A |  | SIZE A |  | 3045 |  |
| PE9141    |  |                |  |                 |  |           |  |        |  |      |  |



THE ENGINEER'S RF SOURCE

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