



## SMC Jack to BNC Female Adapter

### RF Adapters Technical Data Sheet

PE9140

#### Configuration

- SMC Jack Connector 1
- BNC Female Connector 2
- 50 Ohms
- Straight Body Geometry

#### Features

- Max VSWR of 1.35:1 up to 4 GHz
- SMC Interface compliant with MIL-STD-348
- BNC Interface compliant with MIL-STD-348
- Gold Plated Beryllium Copper Contact

#### Applications

- Allows Connection Between Series
- General Purpose Test

#### Description

Pasternack's PE9140 SMC jack 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 jack to female gender configuration. PE9140 SMC jack to BNC female adapter operates to 4 GHz. The Pasternack RF adapter provides good VSWR of 1.35:1 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			1.35:1	

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2	2 to 4				GHz
VSWR, Max	1.2:1	1.35:1				

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

#### Mechanical Specifications

Size	
Length	1.274 in [32.36 mm]
Width	0.45 in [11.43 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Jack to BNC Female Adapter PE9140](#)



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Weight 0.027 lbs [12.25 g]

Description	Connector 1	Connector 2
Type	SMC Jack	BNC Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMC Jack		BNC Female	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel	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:

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SMC Jack 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.

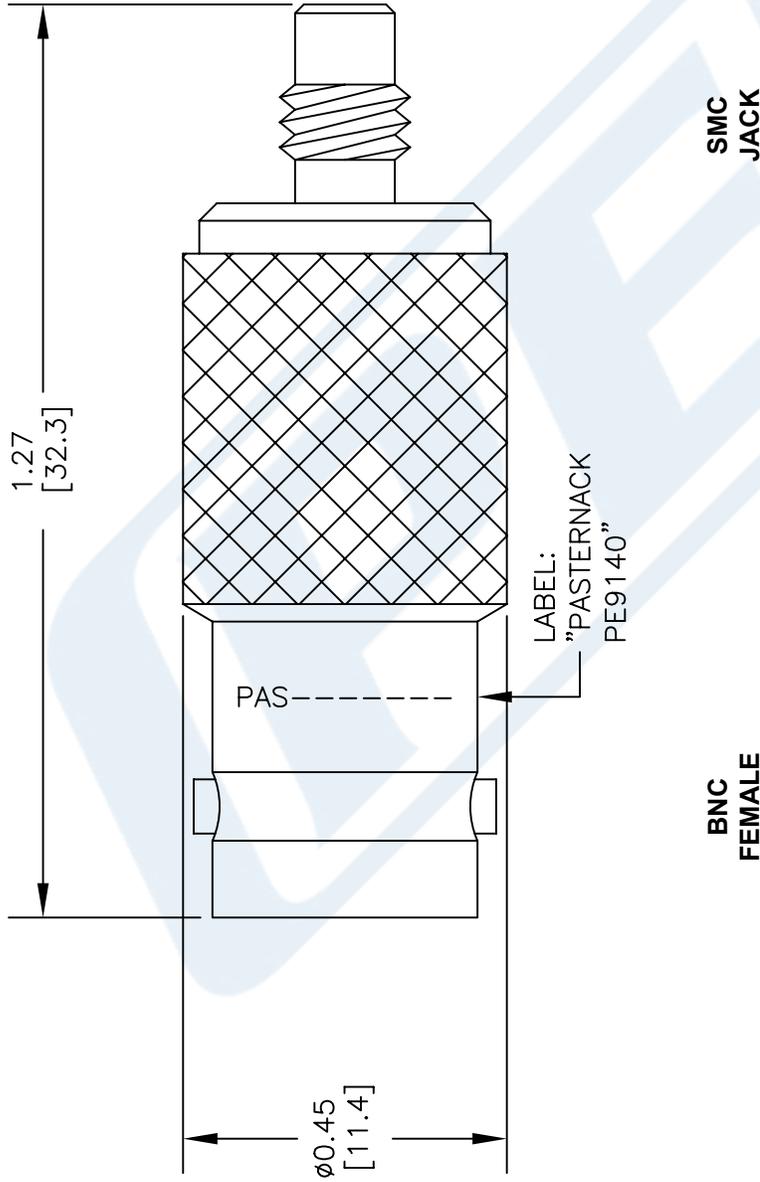
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Jack to BNC Female Adapter PE9140](https://www.pasternack.com/smc-jack-bnc-female-straight-adapter-pe9140-p.aspx)

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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.

# PE9140 CAD Drawing

## SMC Jack to BNC Female Adapter



### STANDARD TOLERANCES

DECIMAL ±0.02  
 .XX ±0.005  
 .XXX ±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

DWG TITLE

**PE9140**

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].

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CAD FILE 052616

SCALE N/A

SIZE A

3045