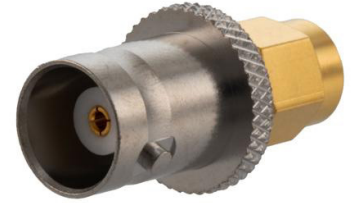


## SMA Male to BNC Female Adapter



### PE5166

#### Configuration

- SMA Male Connector 1
- BNC Female Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

#### Features

- Max VSWR of 1.2:1 up to 8 GHz
- SMA interface compliant with MIL-STD-348B
- BNC interface compliant with MIL-STD-348B
- Gold over Nickel over Copper Plated Bronze Contact

#### Applications

- Allows Connection Between Series
- General Purpose Test

#### Description

\*Error\* Category not found.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Insertion Loss			0.141	dB

#### Mechanical Specifications

##### Size

Length	0.99 in [25.10 mm]
Width	0.51 in [13.03 mm]
Height	0.51 in [13.03 mm]
Weight	0.02 lbs [9.07 g]

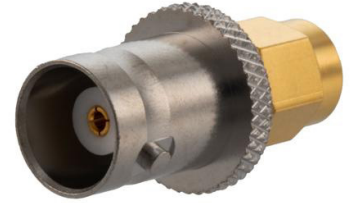
Description	Connector 1	Connector 2
Interface Specification	MIL-STD-348B	MIL-STD-348B
Mating Cycles, Min	100	500
Mating Torque		0.6 to 2.5 in-lbs 0.07 to 0.28 Nm
Contact Retention Force, Min	60.7 lbs [27.53 kg]	
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	6.1 lbs [2.77 kg]
Coupling Proof Torque	5.3 in-lbs [0.6 Nm]	

#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		BNC Female	

## SMA Male to BNC Female Adapter

**PE5166**



### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Contact	Bronze	Gold over Nickel over Copper	Bronze	Gold over Nickel over Copper
Outer Conductor	Brass	Gold over Nickel over Copper	Brass	Gold over Nickel over Copper
Body	Brass	Copper-Tin-Zinc Alloy	Brass	Gold over Nickel over Copper
Gasket	Silicone		Silicone	

### Environmental Specifications

#### Temperature

Operating Range

-65 to +165 °C

Humidity

MIL-STD-202, Method

Thermal Shock

MIL-STD-202, Method

Salt Spray

MIL-STD-202, Method

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

### Plotted and Other Data

SMA Male 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 99.4% 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: [SMA Male to BNC Female Adapter PE5166](#)

URL: <https://www.pasternack.com/sma-male-to-bnc-female-adapter-pe5166.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.

PE5166 CAD Drawing
SMA Male to BNC Female Adapter

