



SMA Female to BNC Female Adapter

RF Adapters Technical Data Sheet

PE9075

Configuration

- SMA Female Connector 1
- BNC Female Connector 2
- 50 Ohm
- Straight Body Geometry

Features

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

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE9075 SMA female to BNC female adapter is part of our full line of RF components available for same-day shipping. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our SMA to BNC adapter has a female to female gender configuration. PE9075 SMA female 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)			500	Vrms

Mechanical Specifications

Size	
Length	1.004 in [25.5 mm]
Width	0.492 in [12.5 mm]
Height	0.492 in [12.5 mm]
Weight	0.027 lbs [12.25 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female to BNC Female Adapter PE9075](#)



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Description	Connector 1	Connector 2
Type	SMA Female	BNC Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		BNC Female	
Contact	Beryllium Copper	Gold 50µ in. minimum	Beryllium Copper	Gold 50µ in. minimum
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Nickel 100µ in. minimum
Body	Brass	Nickel 100µ 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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SMA Female 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 Female to BNC Female Adapter PE9075](#)

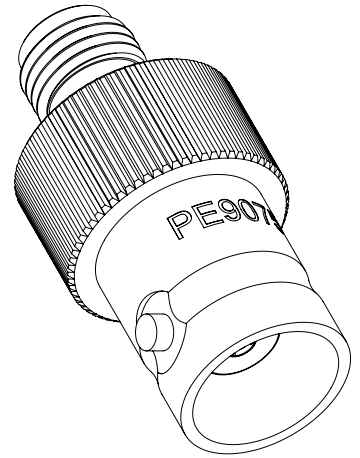
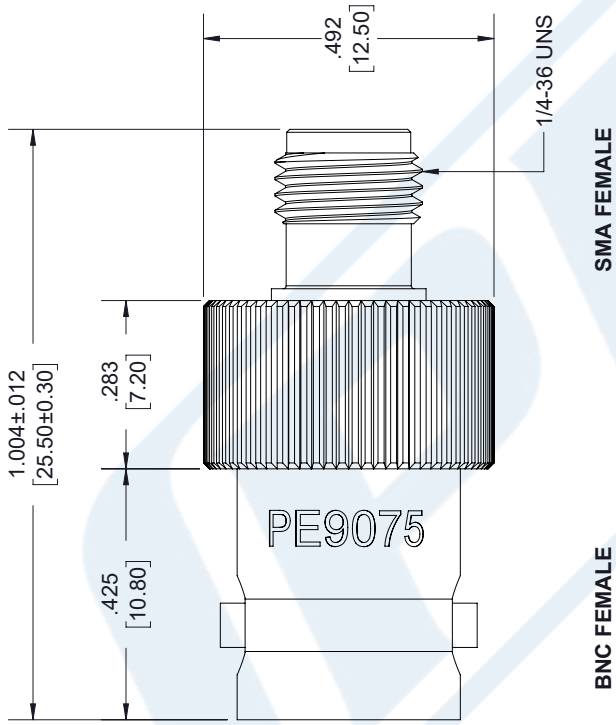
URL: <https://www.pasternack.com/sma-female-bnc-female-straight-adapter-pe9075-p.aspx>

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.

PE9075 CAD Drawing

SMA Female to BNC Female Adapter

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.2	PCR PE9075 20190529	07/09/19	S.ELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X ± .2 [5.08]	± .132
.XX ± .01 [.25]	ANGLES ± 1°
.XXX ± .005 [.13]	ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
THIRD-ANGLE PROJECTION	

(PE) PASTERNAK
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SHEET 1 OF 1
SCALE N/A

SIZE A
CAGE 53919
DRAWN BY K.DANG
PART NUMBER PE9075
REV 1.2

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