



SMB Plug to SMB Jack Adapter

RF Adapters Technical Data Sheet

PE9120

Configuration

- SMB Plug Connector 1
- SMB Jack Connector 2
- 50 Ohms
- Straight Body Geometry

Features

- Max VSWR of 1.2:1 up to 4 GHz
- SMB Interface compliant with MIL-STD-348
- Gold Plated Contact

Applications

- Connector Saver
- General Purpose Test

Description

Pasternack's PE9120 SMB plug to SMB jack adapter is part of our full line of RF components available for same-day shipping. Our SMB to SMB adapter has a plug to jack gender configuration. PE9120 SMB plug to SMB jack adapter operates to 4 GHz. The Pasternack RF adapter provides excellent VSWR of 1.2:1 maximum. The PE9120 Pasternack RF adapter can also be used as a connector saver to extend equipment life.

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			1.2:1	

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

Mechanical Specifications

Size	
Length	0.67 in [17.02 mm]
Width	0.26 in [6.6 mm]
Weight	0.006 lbs [2.72 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug to SMB Jack Adapter PE9120](#)



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Description	Connector 1	Connector 2
Type	SMB Plug	SMB Jack
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMB Plug		SMB Jack	
Contact		Gold		Gold
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Nickel
Body	Brass	Nickel		
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:

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SMB Plug to SMB Jack 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.

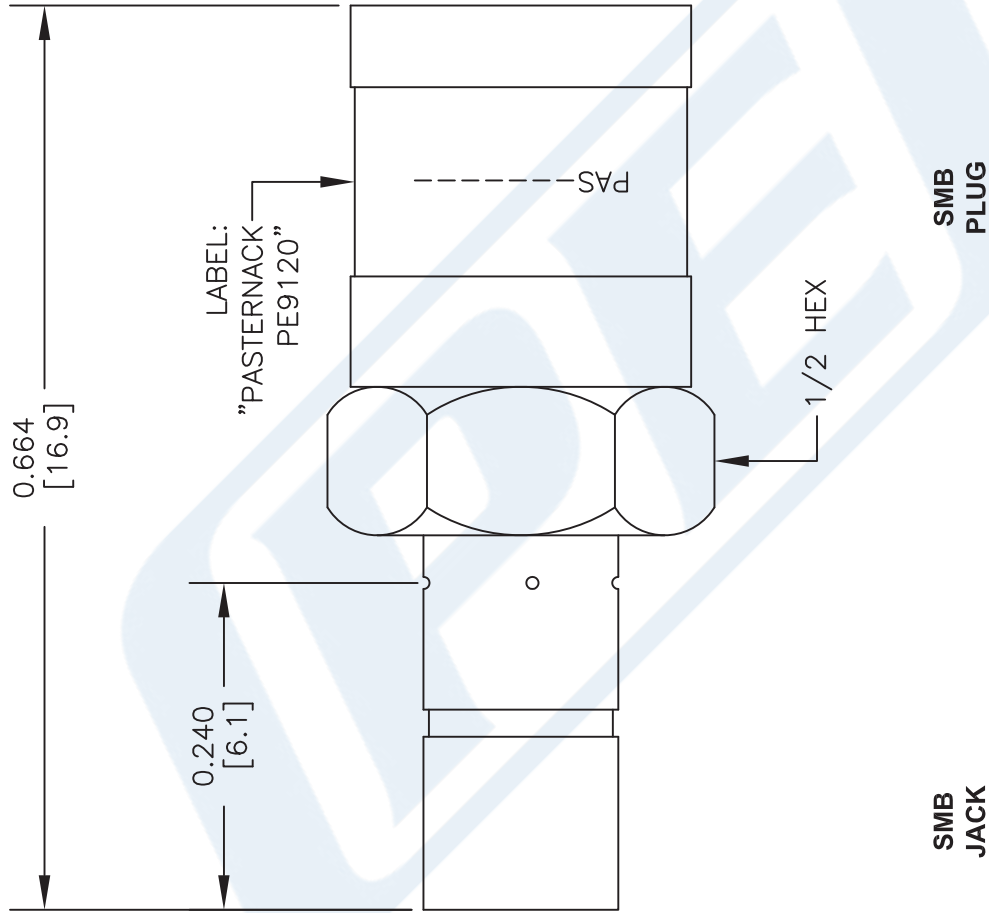
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug to SMB Jack Adapter PE9120](#)

URL: <https://www.pasternack.com/smb-plug-smb-jack-straight-adapter-pe9120-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.

PE9120 CAD Drawing

SMB Plug to SMB Jack Adapter



STANDARD TOLERANCES	
DECIMAL	±0.02
.XX	±0.005
.XXX	±0.005

*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
PE9120

FSCM NO. 53919

CAD FILE 061316

SCALE N/A

SIZE A

3045

(PE) PASTERNAK®
 THE ENGINEER'S RF SOURCE

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