



## Precision SMA Male to SMP Female Adapter 18 Ghz

### RF Adapters Technical Data Sheet

PE9513

#### Configuration

- SMA Male Connector 1
- SMP Female Connector 2
- 50 Ohms
- Precision Design
- Straight Body Geometry

#### Features

- Max VSWR of 1.2:1 up to 18 GHz
- SMA Interface compliant with MIL-STD-348
- SMP Interface compliant with MIL-STD-348
- Gold Plated Beryllium Copper Contact
- Contact Plating per MIL-G-45204

#### Applications

- Allows Connection Between Series
- General Purpose Test
- Precision Test & Measurement

#### Description

Pasternack's PE9513 precision SMA male to SMP 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 SMP adapter has a male to female gender configuration in a precision design. PE9513 SMA male to SMP female adapter operates to 18 GHz. The Pasternack RF adapter provides excellent VSWR of 1.2:1 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		18	GHz
VSWR			1.2:1	

#### Mechanical Specifications

<b>Size</b>	
Length	0.87 in [22.1 mm]
Width	0.312 in [7.92 mm]
Weight	0.012 lbs [5.44 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Precision SMA Male to SMP Female Adapter 18 Ghz PE9513](#)



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Description	Connector 1	Connector 2
Type	SMA Male	SMP Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348
Hex Size	5/16 in.	
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]	

#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		SMP Female	
Contact	Beryllium Copper	Gold MIL-G-45204	Beryllium Copper	Gold MIL-G-45204
Outer Conductor			Beryllium Copper	Gold MIL-G-45204
Body	Passivated Stainless Steel			
Coupling Nut	Brass	Nickel		

#### Environmental Specifications

##### Temperature

Operating Range -65 to +125 deg C

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

#### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Precision SMA Male to SMP Female Adapter 18 Ghz PE9513](#)

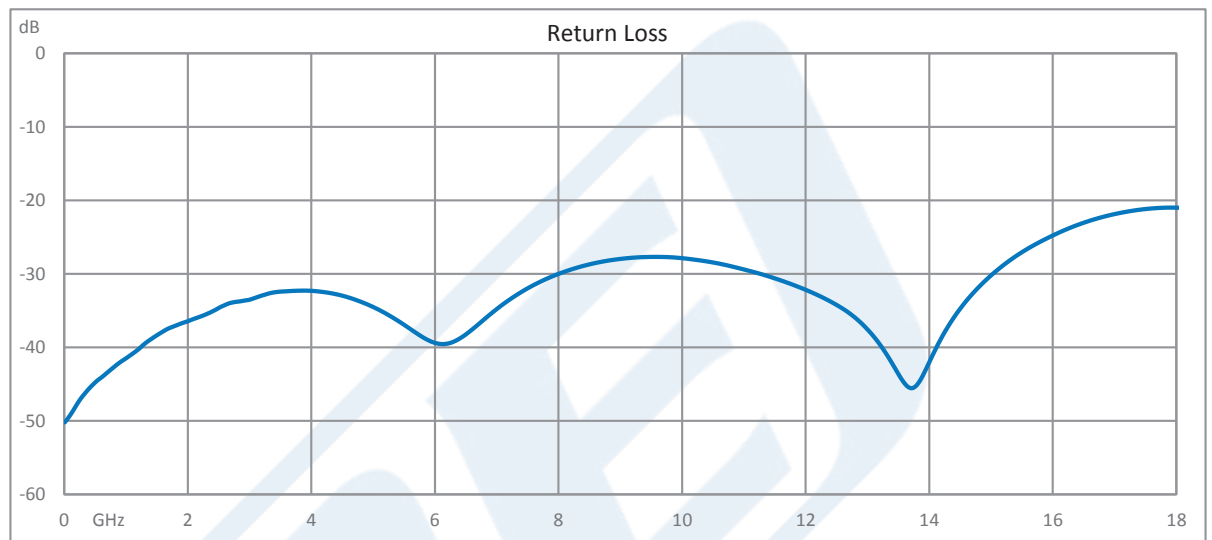


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#### Typical Performance Data



Precision SMA Male to SMP Female Adapter 18 Ghz 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.

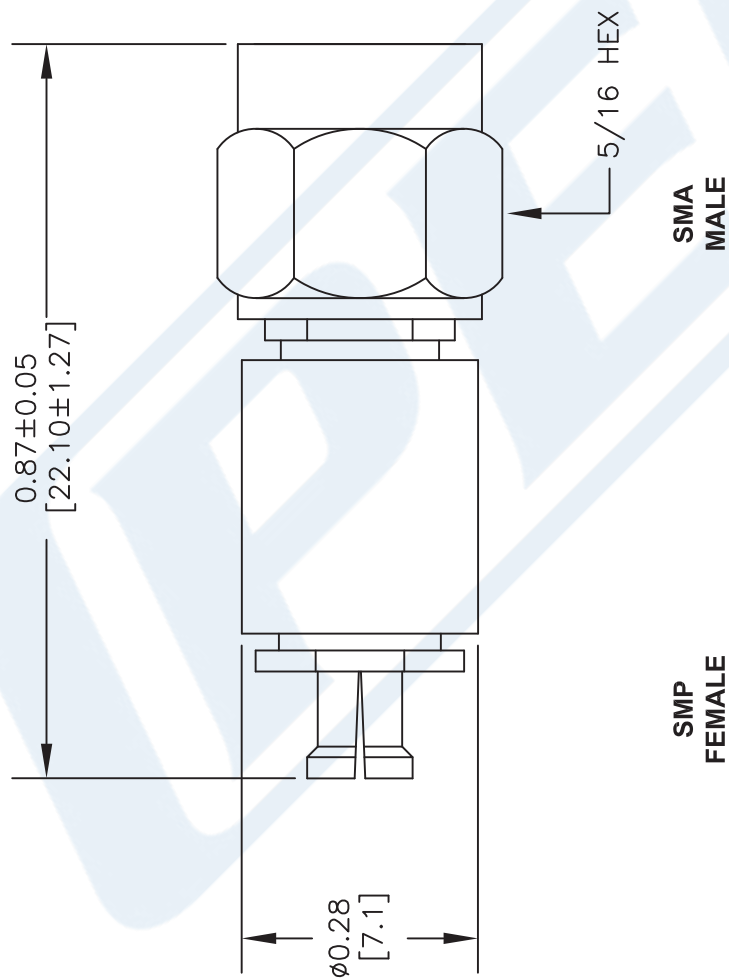
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Precision SMA Male to SMP Female Adapter 18 Ghz PE9513](https://www.pasternack.com/sma-male-smp-female-straight-adapter-pe9513-p.aspx)

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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.

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<u>STANDARD TOLERANCES</u>	
.X	$\pm 0.2$
.XX	$\pm 0.1$
.XXX	$\pm 0.05$

**\*\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES**



**PASTERNAK®**  
THE ENGINEER'S RF SOURCE

**Pasternack Enterprises, Inc.**  
P.O. Box 16759 | Irvine | CA | 92623  
**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** [www.pasternack.com](http://www.pasternack.com) | **E-Mail:** [sales@pasternack.com](mailto:sales@pasternack.com)

**DWG TITLE**

**PE9513**

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].

FSCM NO. 53919

**CAD FILE**      **090116**

SCALE N/A

**SIZE A**

41742