



## SMA Male to SSMA Male Adapter

### RF Adapters Technical Data Sheet

PE9187

#### Configuration

- SMA Male Connector 1
- SSMA Male Connector 2
- 50 Ohm
- Straight Body Geometry

#### Features

- Max VSWR of 1.25:1 up to 26.5 GHz
- SSMA interface compliant with MIL-STD-348
- 50  $\mu$ m minimum contact plating
- Gold over Nickel Plated Beryllium Copper Contact
- Max VSWR of 1.25:1 up to 26.5 GHz
- SSMA Interface compliant with MIL-STD-348
- Gold over Nickel Plated Beryllium Copper Contact
- 50  $\mu$ m min Gold over Nickel Contact Plating

#### Applications

- Allows Connection Between Series
- General Purpose Test
- Allows Connection Between Series
- General Purpose Test

#### Description

Pasternack's PE9187 SMA male to SSMA male 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 SSMA adapter has a male to male gender configuration built of durable stainless steel. PE9187 SMA male to SSMA male adapter operates to 26.5 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 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		26.5	GHz
VSWR			1.25:1	

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

#### Mechanical Specifications

<b>Size</b>	
Length	0.794 in [20.17 mm]
Width	0.312 in [7.92 mm]
Weight	0.0112 lbs [5.08 g]

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 SSMA Male Adapter PE9187](#)



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Description	Connector 1	Connector 2
Type	SMA Male	SSMA Male
Polarity	Standard	Standard
Interface Specification		MIL-STD-348
Hex Size	5/16 in.	1/4 in.

#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		SSMA Male	
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PTFE		PTFE	
Body	Passivated Stainless Steel	SAE-AMS-2700	Passivated Stainless Steel	SAE-AMS-2700
Coupling Nut	Passivated Stainless Steel	SAE-AMS-2700	Passivated Stainless Steel	SAE-AMS-2700

#### 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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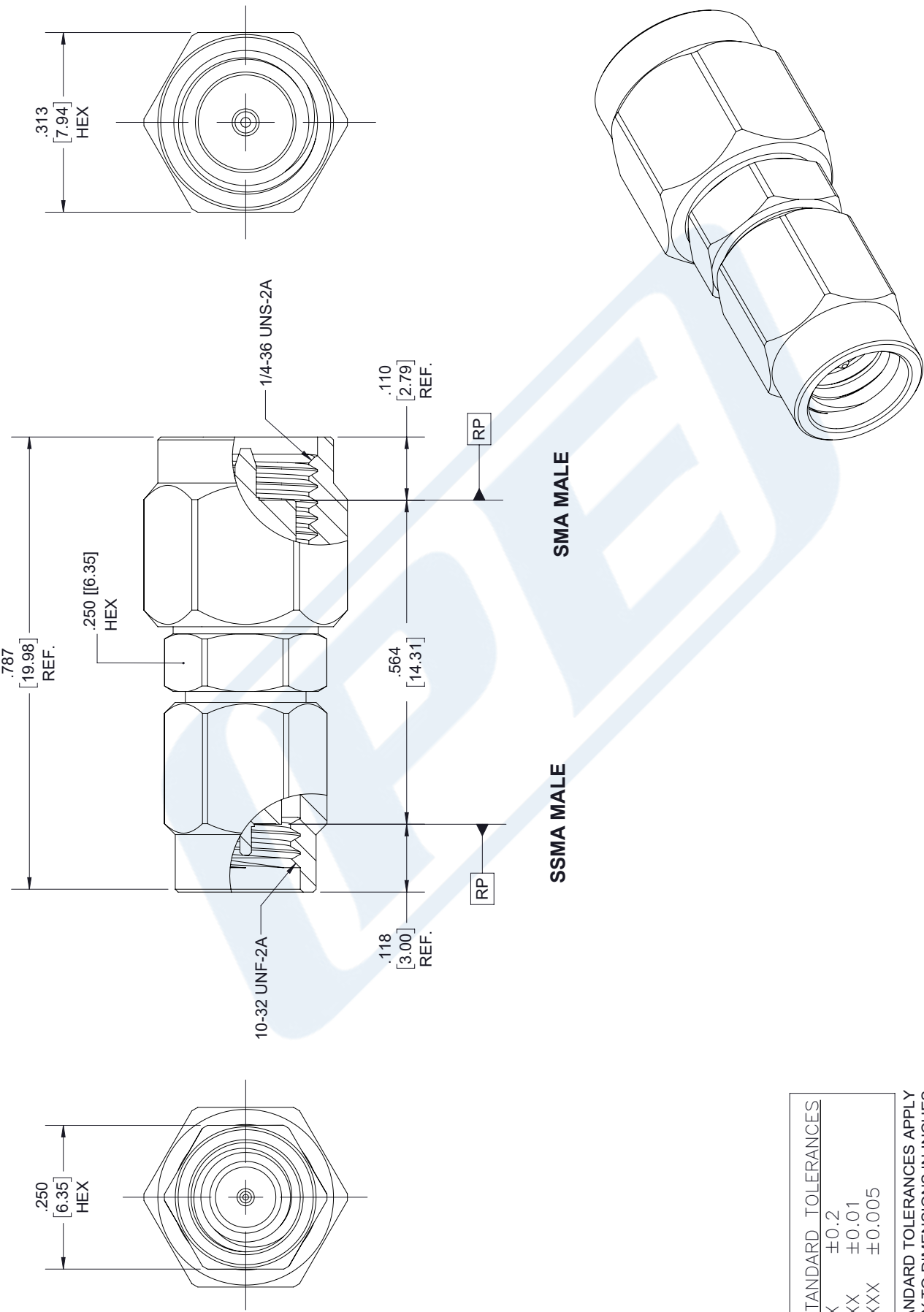
SMA Male to SSMA Male Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 SSMA Male Adapter PE9187](#)

URL: <https://www.pasternack.com/sma-male-ssma-male-straight-adapter-pe9187-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.

PE9187 CAD Drawing  
SMA Male to SSMA Male Adapter



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE9187

CAGE CODE 53919

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].

CAD FILE 10/22/18

SCALE N/A

SIZE A

7361