



## SMA Female to UHF Male Adapter

### RF Adapters Technical Data Sheet

PE9415

#### Configuration

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

#### Features

- Max VSWR of 1.3:1 up to 300 MHz
- Gold Plated Contact

#### Applications

- Allows Connection Between Series
- General Purpose Test

#### Description

Pasternack's PE9415 SMA female to UHF 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 UHF adapter has a female to male gender configuration. PE9415 SMA female to UHF male adapter operates to 300 MHz. 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		300	MHz
VSWR			1.3:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

#### Mechanical Specifications

##### Size

Length	1.21 in [30.73 mm]
Width	0.71 in [18.03 mm]
Weight	0.055 lbs [24.95 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 UHF Male Adapter PE9415](#)



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Description	Connector 1	Connector 2
Type	SMA Female	UHF Male
Polarity	Standard	Standard

#### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		UHF Male	
Contact	Beryllium Copper	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel 100 µ-in minimum		
Body			Brass	Nickel 100 µ-in minimum
Coupling Nut			Brass	Nickel 100 µ-in minimum

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +85 deg C

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

#### Plotted and Other Data

Notes:

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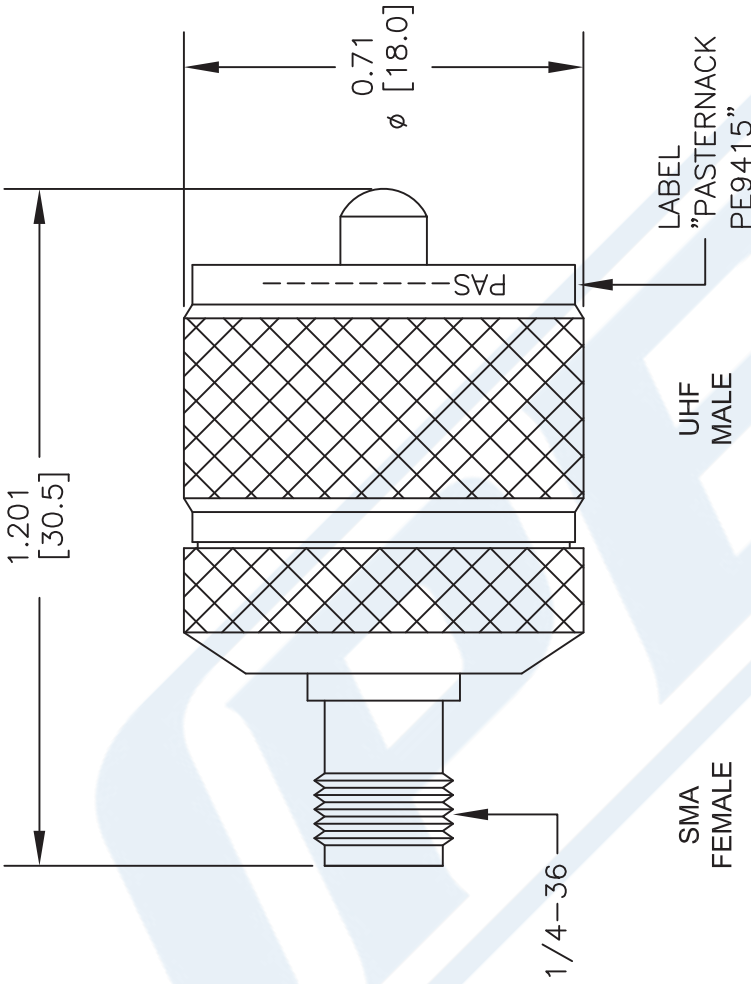
SMA Female to UHF Male Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female to UHF Male Adapter PE9415](#)

URL: <https://www.pasternack.com/sma-female-uhf-male-straight-adapter-pe9415-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.

PE9415 CAD Drawing  
SMA Female to UHF Male Adapter



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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

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DWG TITLE  
**PE9415**

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 061416  
SCALE N/A  
SIZE A  
2233