

## SMA Female to UHF Male Adapter



### TECHNICAL DATA SHEET

**PE9415**

#### SMA Female to UHF Male Adapter

##### Configuration

|                |            |
|----------------|------------|
| Connector 1    | SMA Female |
| Impedance 1    | 50 Ohms    |
| Connector 2    | UHF Male   |
| Impedance 2    | 50 Ohms    |
| Adapter Design | Standard   |
| Body Style     | Straight   |

##### Electrical Specifications

|                                       |           |
|---------------------------------------|-----------|
| Frequency Range, MHz                  | DC to 300 |
| Maximum VSWR                          | 1.3:1     |
| Maximum Operating Voltage, Volts      | 500       |
| Dielectric Withstanding Voltage, Vrms | 1,000     |

##### Mechanical Specifications

###### Temperature

|                        |            |
|------------------------|------------|
| Operating Range, deg C | -55 to +85 |
|------------------------|------------|

###### Size

|                     |              |
|---------------------|--------------|
| Length, in [mm]     | 1.21 [30.73] |
| Width/Dia., in [mm] | 0.71 [18.03] |

##### Connector 1

|                                      |                        |
|--------------------------------------|------------------------|
| Type                                 | SMA Female             |
| Inner Conductor Material and Plating | Beryllium Copper, Gold |
| Body Material and Plating            | Brass, Nickel          |
| Body Plating Specification           | 100µ in. minimum       |
| Dielectric Type                      | Teflon                 |

##### Connector 2

|                                      |                  |
|--------------------------------------|------------------|
| Type                                 | UHF Male         |
| Inner Conductor Material and Plating | Brass, Gold      |
| Coupling Nut Material and Plating    | Brass, Nickel    |
| Coupling Nut Plating Specification   | 100µ in. minimum |
| Body Material and Plating            | Brass, Nickel    |
| Body Plating Specification           | 100µ in. minimum |
| Dielectric Type                      | Teflon           |

##### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

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](#)

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.

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#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

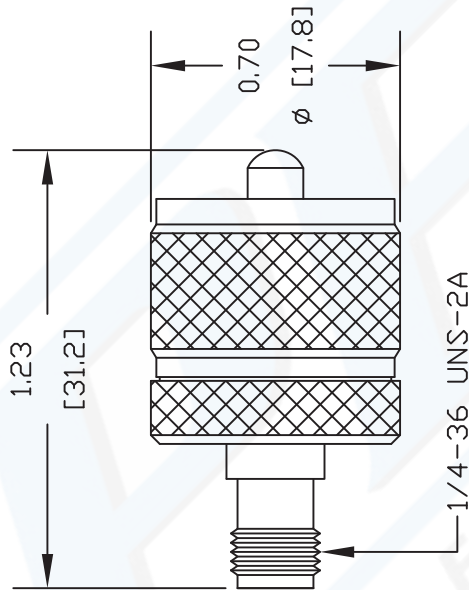
URL: <http://www.pasternack.com/sma-female-uhf-male-straight-adapter-pe9415-p.aspx>

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

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# PE9415 CAD Drawing

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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  
**PE9415**

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**COAXIAL & FIBER OPTICS**



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SIZE A

SCALE N/A

CAD FILE xxxxxx

FSCM NO. 53919

REV. -