



## UHF Male to UHF Female Right Angle Adapter

### RF Adapters Technical Data Sheet

PE9209

#### Configuration

- UHF Male Connector 1
- UHF Female Connector 2
- 50 Ohm
- Right Angle Body Geometry

#### Features

- 30 µInch contact plating
- Gold Plated Brass Contact

#### Applications

- General Purpose Test

#### Description

Pasternack's PE9209 UHF male to UHF female right angle adapter is part of our full line of RF components available for same-day shipping. Our UHF to UHF adapter has a male to female gender configuration. PE9209 UHF male to UHF female adapter operates to 300 MHz. This right angle UHF to UHF adapter allows for easier connections in tight spaces.

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   |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

#### Mechanical Specifications

##### Size

|        |                     |
|--------|---------------------|
| Length | 1.26 in [32 mm]     |
| Width  | 0.7 in [17.78 mm]   |
| Height | 1.29 in [32.77 mm]  |
| Weight | 0.121 lbs [54.88 g] |

| Description | Connector 1 | Connector 2 |
|-------------|-------------|-------------|
| Type        | UHF Male    | UHF Female  |
| Polarity    | Standard    | Standard    |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male to UHF Female Right Angle Adapter PE9209](#)



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#### Material Specifications

| Description     | Connector 1 |                     | Connector 2 |                     |
|-----------------|-------------|---------------------|-------------|---------------------|
|                 | Material    | Plating             | Material    | Plating             |
| Type            | UHF Male    |                     | UHF Female  |                     |
| Contact         | Brass       | Gold<br>30 µInch    | Brass       | Gold<br>30 µInch    |
| Insulation      | PTFE        |                     | PTFE        |                     |
| Outer Conductor |             |                     | Brass       | Nickel<br>100 µInch |
| Body            | Brass       | Nickel<br>100 µInch |             |                     |
| Coupling Nut    | Brass       | Nickel<br>100 µInch |             |                     |

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +85 deg C

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

#### Plotted and Other Data

Notes:

UHF Male to UHF Female Right Angle 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.

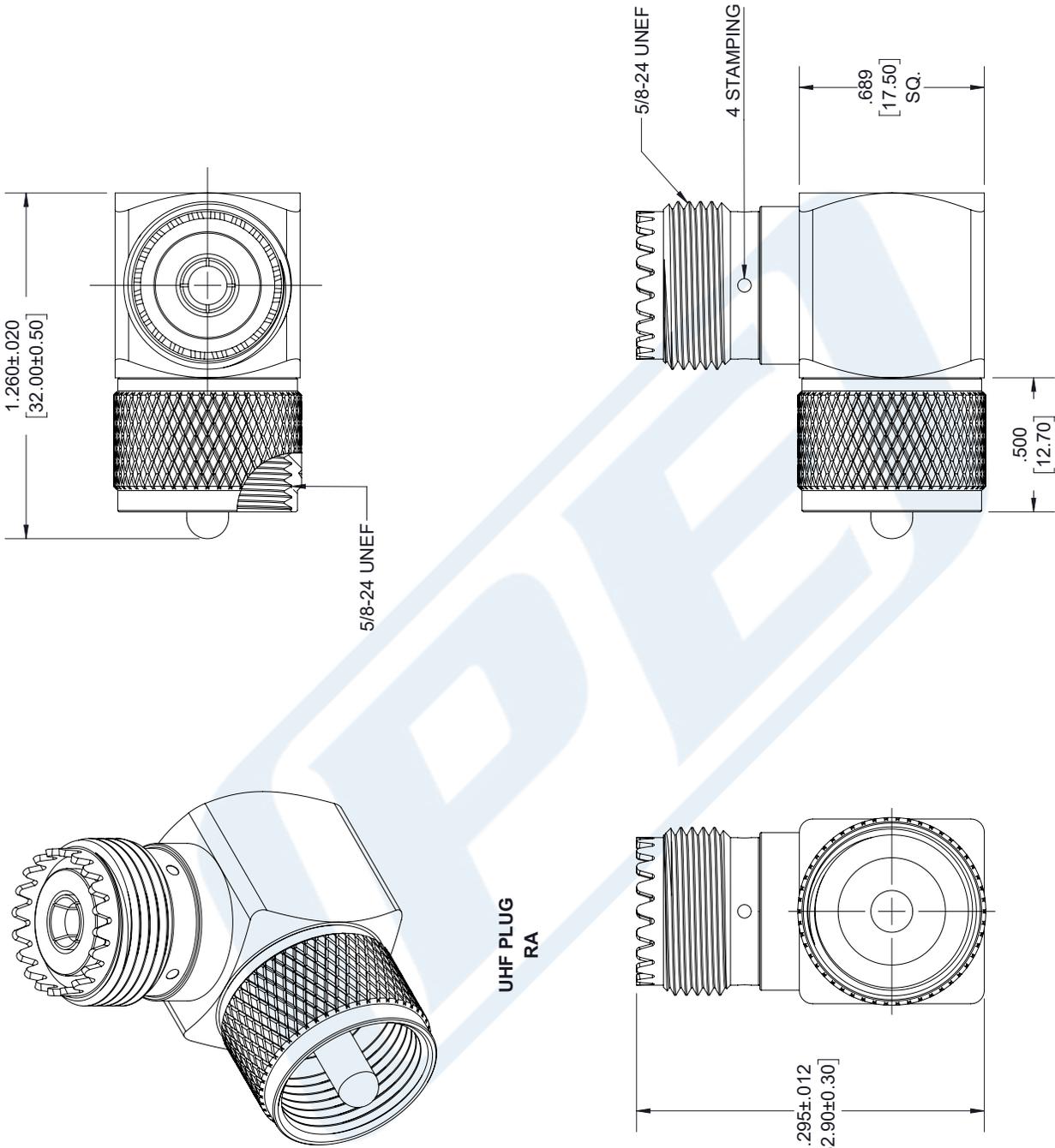
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male to UHF Female Right Angle Adapter PE9209](#)

URL: <https://www.pasternack.com/uhf-male-uhf-female-right-angle-adapter-pe9209-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.

# PE9209 CAD Drawing

## UHF Male to UHF Female Right Angle Adapter



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

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

**PE 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 | PE9209 |          |          |
| CAGE CODE | 53919  | CAD FILE | 10/26/18 |
| SCALE     | N/A    | SIZE     | A        |
|           |        | 7361     |          |

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].