



2.92mm Male Precision Connector Clamp/Solder  
Attachment for PE-SR405AL, PE-SR405FL, PE-  
SR405FLJ, PE-SR405TN, RG405

RF Connectors  
Technical Data Sheet

PE44796

### Configuration

- 2.92mm Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR405AL, PE-SR-405FL, PE-SR405FLJ, PE-SR405TN, RG405
- 5/16 inch Hex
- Precision Design

### Features

- Max. Operating Frequency 40 GHz
- Excellent VSWR of 1.18:1
- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

### Applications

- General Purpose Test
- Precision Test & Measurement
- Custom Cable Assemblies

### Description

Pasternack's PE44796 2.92mm male connector with clamp/solder attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN and RG405 is part of our full line of RF components available for same-day shipping. Our 2.92mm male connector operates up to a maximum frequency of 40 GHz and offers excellent VSWR of 1.18:1.

Our 2.92mm male connector PE44796 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

### Electrical Specifications

| Description                            | Minimum | Typical | Maximum | Units |
|--|---------|---------|---------|-------|
| Frequency Range                        | DC      |         | 40      | GHz   |
| VSWR                                   |         |         | 1.18:1  |       |
| Insertion Loss                         |         |         | 0.26    | dB    |
| Operating Voltage (AC)                 |         |         | 170     | Vrms  |
| Dielectric Withstanding Voltage (AC)   |         |         | 500     | Vrms  |
| High Potential Voltage<br>5 to 7.5 MHz |         |         | 325     | Vrms  |
| Corona Discharge<br>at 70,000 ft       |         |         | 125     | Vrms  |
| Insulation Resistance                  | 5,000   |         |         | MOhms |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male Precision Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE44796](#)



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### Performance by Frequency

| Description     | F1       | F2         | F3         | F4 | F5 | Units |
|-----------------|----------|------------|------------|----|----|-------|
| Frequency Range | DC to 18 | 18 to 26.5 | 26.5 to 40 |    |    | GHz   |
| VSWR, Max       | 1.12:1   | 1.14:1     | 1.18:1     |    |    |       |

Electrical Specification Notes:  
Insertion loss:  $0.04 \times \sqrt{f(\text{GHz})}$  dB max.

### Mechanical Specifications

#### Size

|               |                                  |
|---------------|----------------------------------|
| Length        | 0.813 in [20.65 mm]              |
| Width/Dia.    | 0.315 in [8.00 mm]               |
| Weight        | 0.013 lbs [5.9 g]                |
| Mating Cycles | 500 Cycles                       |
| Mating Torque | 8 to 10 in-lbs [0.90 to 1.13 Nm] |

### Material Specifications

| Description  | Material                   | Plating                            |
|--------------|----------------------------|------------------------------------|
| Contact      | Beryllium Copper           | Gold over Nickel<br>50 µin minimum |
| Insulation   | PCTFE                      |                                    |
| Body         | Passivated Stainless Steel | SAE-AMS-2700                       |
| Coupling Nut | Passivated Stainless Steel | SAE-AMS-2700                       |

### Environmental Specifications

#### Temperature

|                 |   |
|-----------------|---|
| Operating Range | -65 to +165 deg C                         |
| Humidity        | MIL-STD-202, Method 106, No Vibration     |
| Shock           | MIL-STD-202, Method 213, Condition I      |
| Vibration       | MIL-STD-202, Method 204, Condition D      |
| Thermal Shock   | MIL-STD-202, Method 107, Condition B      |
| Salt Spray      | MIL-STD-202, Method 101, Condition B (5%) |

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

### Plotted and Other Data

Notes:

2.92mm Male Precision Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 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.

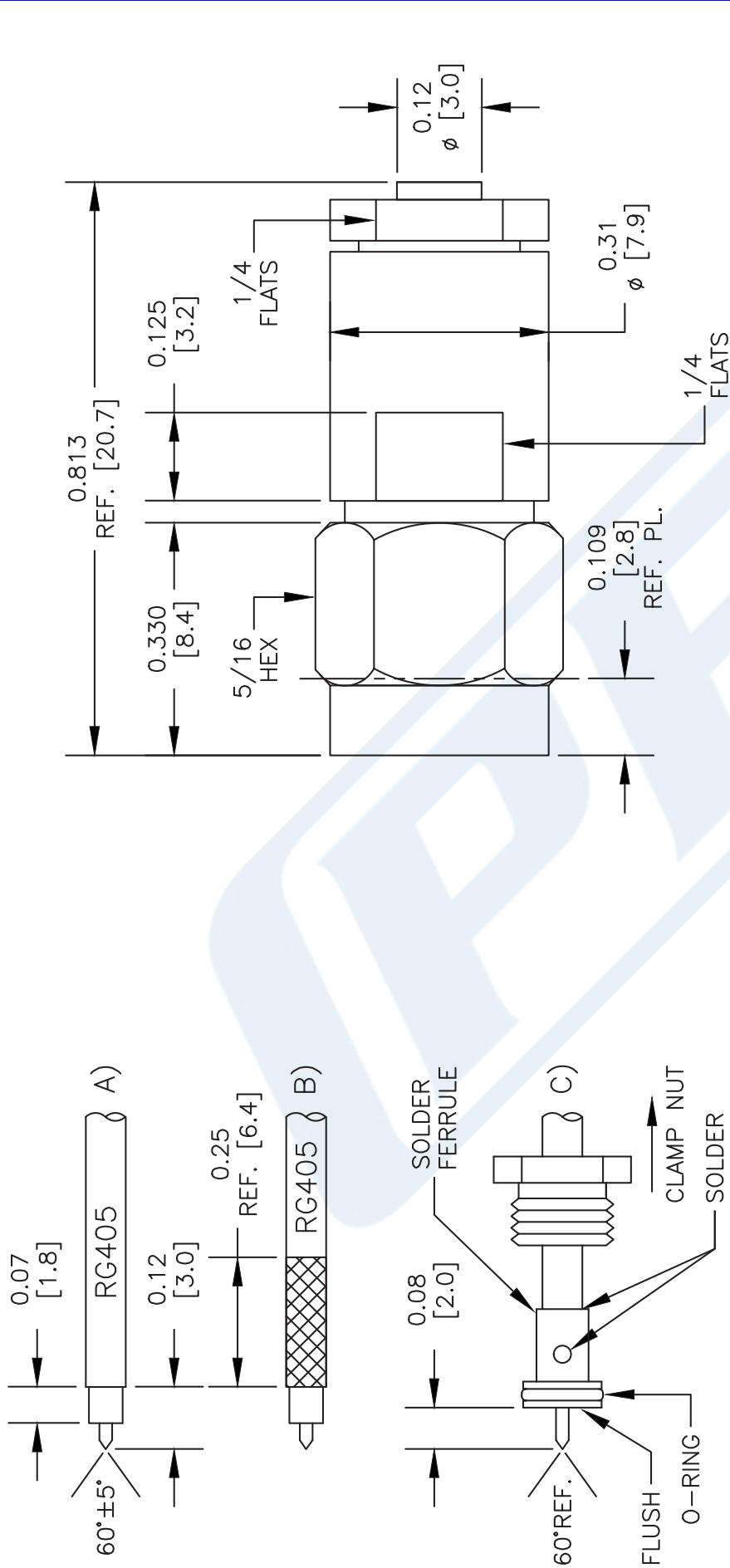
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URL: <https://www.pasternack.com/2.92mm-male-pe-sr405al-pe-sr405fl-pe-sr405tn-rg405-connector-pe44796-p.aspx>

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.

PE44796 CAD Drawing

2.92mm Male Precision Connector Clamp/Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



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].  
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE  
**PE44796**

FSCM NO. 53919

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SIZE A

SCALE N/A

CAD FILE 042313