



N Male Connector Clamp/Solder Attachment  
For PE-SR402AL, PE-SR402FL, RG402

TECHNICAL DATA SHEET

PE4006

**Configuration**

|                                    |                               |
|------------------------------------|-------------------------------|
| Connector                          | N Male                        |
| Connector Interface Type           | PE-SR402AL, PE-SR402FL, RG402 |
| Attachment Method (Shield/Contact) | Clamp/Solder                  |
| Body Style                         | Straight                      |

**Electrical Specifications**

|                      |         |
|----------------------|---------|
| Frequency Range, GHz | DC to 4 |
| Impedance, Ohms      | 50      |
| Maximum VSWR         | 1.5:1   |

**Mechanical Specifications**

**Size**

|                     |               |
|---------------------|---------------|
| Length, in [mm]     | 1.36 [34.54]  |
| Width/Dia., in [mm] | 0.8 [20.32]   |
| Weight, lbs [g]     | 0.082 [37.19] |

**Connector**

|                                    |                       |
|------------------------------------|-----------------------|
| Type                               | N Male                |
| Contact Material and Plating       | Brass, Gold           |
| Contact Plating Specification      | 30 $\mu$ in. minimum  |
| Coupling Nut Material and Plating  | Brass, Nickel         |
| Coupling Nut Plating Specification | 100 $\mu$ in. minimum |
| Body Material and Plating          | Brass, Nickel         |
| Body Plating Specification         | 100 $\mu$ in. minimum |
| Dielectric Type                    | Teflon                |

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

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 PE4006](#)



N Male Connector Clamp/Solder Attachment  
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TECHNICAL DATA SHEET

PE4006

**Plotted and Other Data**

Notes:

- Values at +25 °C, sea level

N Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 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.

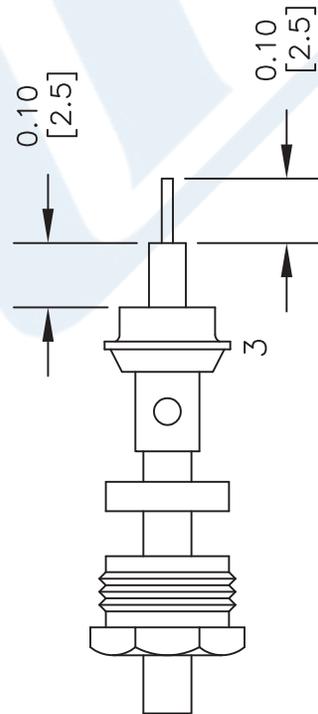
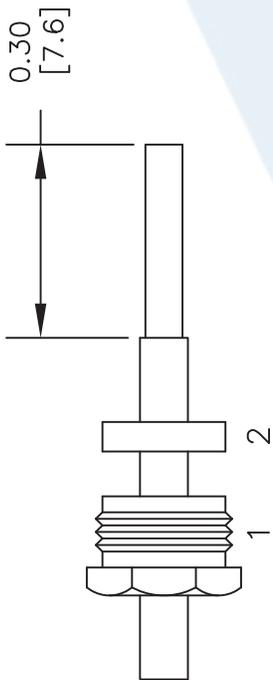
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URL: <http://www.pasternack.com/n-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4006-p.aspx>

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# PE4006 CAD Drawing

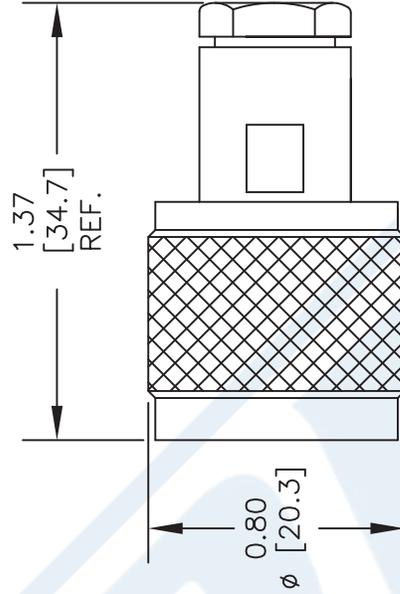
N Male Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402



## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.
2. SLIDE ADAPTER (3) OVER CABLE UNTIL ADAPTER (3) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (3) TO OUTER CONDUCTOR USING MINIMUM HEAT.
3. STRIP CABLE AS SHOWN IN ASSEMBLY (B). SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.



DWG TITLE

**PE4006**

- 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.

FSCM NO. 53919

CAD FILE 042109

SCALE N/A

SIZE A

127



Pasternack Enterprises, Inc.  
 P.O. Box 16759 | Irvine | CA | 92623  
**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** www.pasternack.com | **E-Mail:** sales@pasternack.com



SMA Female Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

## RF Connectors Technical Data Sheet

PE4115

### Configuration

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Solder/Solder Attachment

### Features

- Max. Operating Frequency 18 GHz
- Gold Plated Beryllium Copper Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4115 SMA female connector with solder/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 18 GHz.

Our SMA female connector PE4115 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      |         | 18      | GHz   |

### Mechanical Specifications

|             |                    |
|-------------|--------------------|
| <b>Size</b> |                    |
| Length      | 0.5 in [12.7 mm]   |
| Width/Dia.  | 0.25 in [6.35 mm]  |
| Weight      | 0.004 lbs [1.81 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 Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE4115](#)



SMA Female Connector Solder Attachment for PE-SR402AL,  
PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

## RF Connectors Technical Data Sheet

PE4115

### Material Specifications

| Description | Material         | Plating |
|-------------|------------------|---------|
| Contact     | Beryllium Copper | Gold    |
| Insulation  | PTFE             |         |
| Body        | Stainless Steel  | Gold    |

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

### Plotted and Other Data

Notes:

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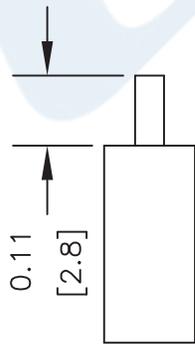
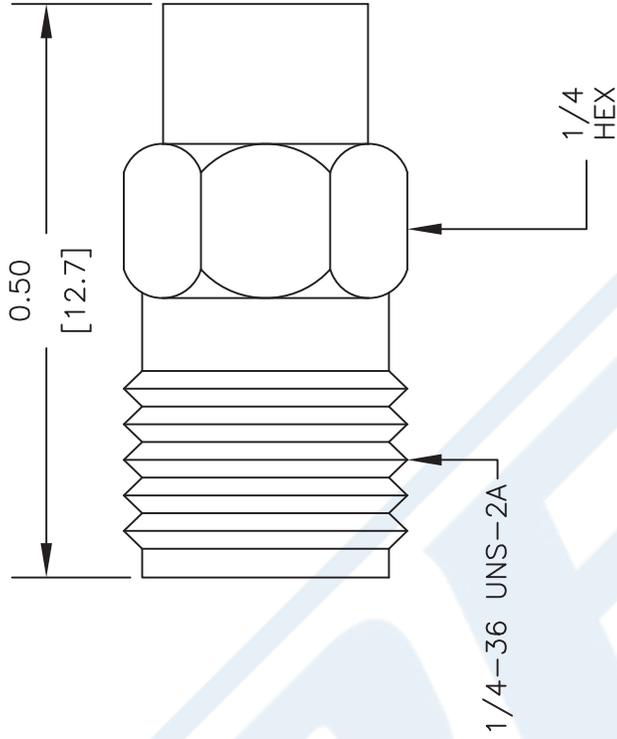
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URL: <https://www.pasternack.com/sma-female-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4115-p.aspx>

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# PE4115 CAD Drawing

SMA Female Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SOLDER CONTACT TO CENTER CONDUCTOR.
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR IS FLUSH WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

DWG TITLE

**PE4115**

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  3. DIMENSIONS ARE IN INCHES [mm].
  4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. A

FSCM NO. 53919

CAD FILE 110811

SCALE N/A

SIZE A

2233



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## RG402 Coax Cable with Copper Outer Conductor

### TECHNICAL DATA SHEET

RG402/U

#### RG402 Coax Cable with Copper Outer Conductor

##### Configuration

|                                      |                           |
|--------------------------------------|---------------------------|
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Shield Materials                     | Copper                    |
| Jacket Material and Color            | Tan                       |

##### Electrical Specifications

|                                       |             |
|---------------------------------------|-------------|
| Impedance, Ohms                       | 50          |
| Maximum Operating Frequency, GHz      | 36          |
| Capacitance, pF/ft [pF/m]             | 29.9 [98.1] |
| Dielectric Withstanding Voltage, Vrms | 5,000       |

##### Electrical Specifications by Frequency

###### Frequency 1

|                                 |            |
|---------------------------------|------------|
| Frequency, MHz                  | 1000       |
| Attenuation, dB/100ft [dB/100m] | 12 [39.37] |
| Power Handling, Watts           | 450        |

###### Frequency 2

|                                 |             |
|---------------------------------|-------------|
| Frequency, GHz                  | 10          |
| Attenuation, dB/100ft [dB/100m] | 45 [147.64] |
| Power Handling, Watts           | 120         |

###### Frequency 3

|                                 |             |
|---------------------------------|-------------|
| Frequency, GHz                  | 20          |
| Attenuation, dB/100ft [dB/100m] | 70 [229.66] |
| Power Handling, Watts           | 70          |

##### Mechanical Specifications

###### Temperature

|                        |             |
|------------------------|-------------|
| Operating Range, deg C | -55 to +125 |
|------------------------|-------------|

###### Inner Conductor

|                   |                   |
|-------------------|-------------------|
| Number of Strands | 1                 |
| Material          | Copper Clad Steel |
| Plating           | Silver            |
| Diameter, in [mm] | 0.036 [0.91]      |

###### Dielectric:

|                   |              |
|-------------------|--------------|
| Type              | PTFE         |
| Diameter, in [mm] | 0.117 [2.97] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG402 Coax Cable with Copper Outer Conductor RG402/U](#)

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## RG402 Coax Cable with Copper Outer Conductor

### TECHNICAL DATA SHEET

RG402/U

**Shield:**

|                   |              |
|-------------------|--------------|
| Number of         | 1            |
| Material 1        | Copper       |
| Diameter, in [mm] | 0.141 [3.58] |

**Jacket:**

|                                       |              |
|---------------------------------------|--------------|
| Color                                 | Tan          |
| One Time Minimum Bend Radius, in [mm] | 0.15 [3.81]  |
| Weight, lbs/ft [Kg/m]                 | 0.034 [0.05] |

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

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

**Plotted and Other Data**

Notes: Values at 25 °C, sea level

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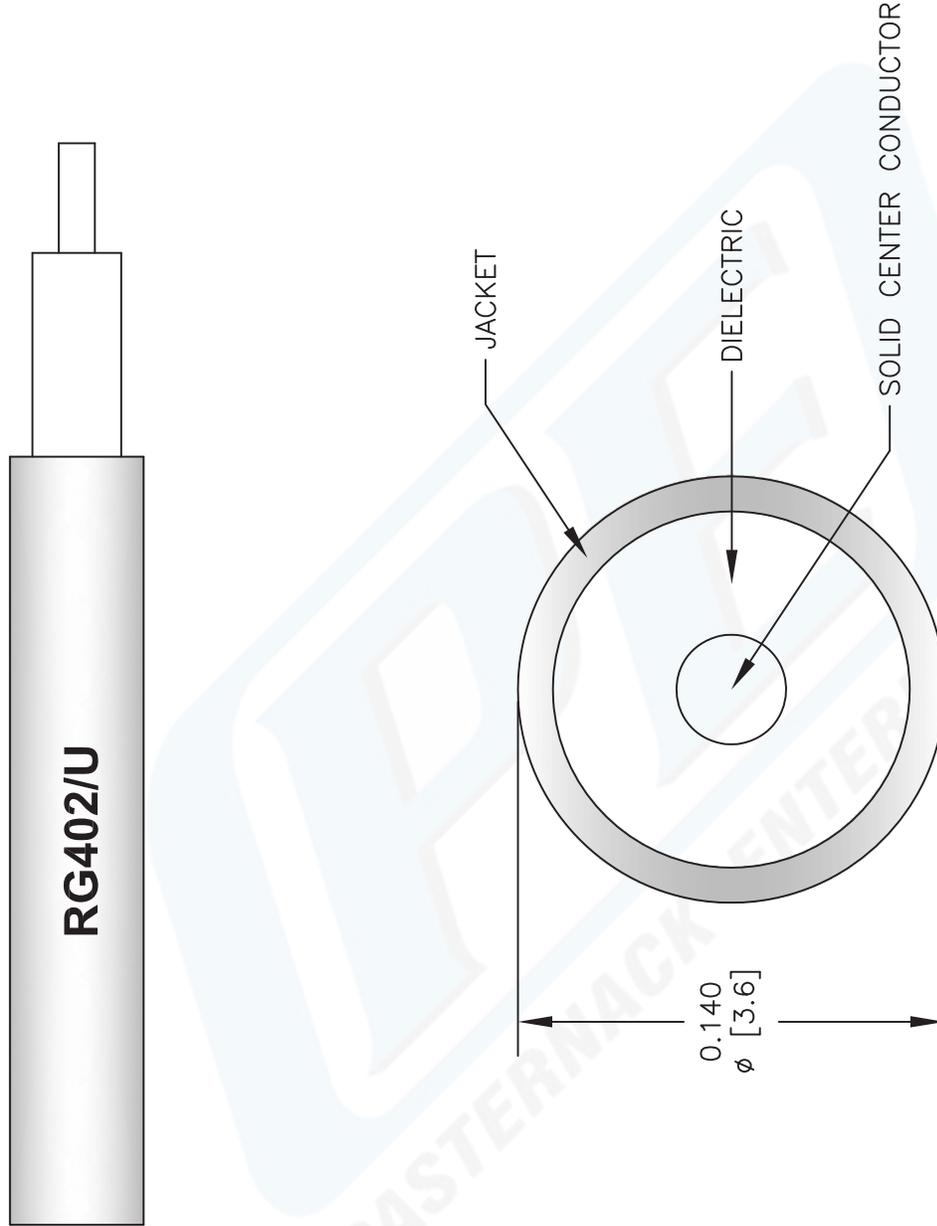
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URL: <http://www.pasternack.com/semirigid-0.141-rg402-50-ohm-coax-cable-copper-rg402-u-p.aspx>

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# RG402/U CAD Drawing

## RG402 Coax Cable with Copper Outer Conductor



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DWG TITLE  
**RG402/U**

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 050212-B

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