



**N Male Right Angle Precision Connector Solder Attachment  
For PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405**

**TECHNICAL DATA SHEET**

**PE44702**

**N Male Right Angle Precision Connector Solder Attachment For PE-SR405AL, PE-SR405FL,  
PE-SR405FLJ, RG405**

**Configuration**

|  |  |
|--|--|
| Connector                                | N Male                                     |
| Connector Interface Type                 | PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405 |
| Cable Attachment Method (Shield/Contact) | Solder/Solder                              |
| Connector Design                         | Precision                                  |
| Body Style                               | Right Angle                                |

**Electrical Specifications**

|                      |          |
|----------------------|----------|
| Frequency Range, GHz | DC to 11 |
| Impedance, Ohms      | 50       |

**Mechanical Specifications**

|                     |               |
|---------------------|---------------|
| <b>Size</b>         |               |
| Length, in [mm]     | 1.136 [28.85] |
| Width/Dia., in [mm] | 0.79 [20.07]  |

**Connector**

|                                   |               |
|-----------------------------------|---------------|
| Type                              | N Male        |
| Contact Material and Plating      | Brass, Gold   |
| Coupling Nut Material and Plating | Brass, Nickel |
| Body Material and Plating         | Brass, Nickel |
| Dielectric Type                   | PTFE          |

**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: [N Male Right Angle Precision Connector Solder Attachment For PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405 PE44702](#)

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.



N Male Right Angle Precision Connector Solder Attachment  
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**TECHNICAL DATA SHEET**

**PE44702**

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

N Male Right Angle Precision Connector Solder Attachment For PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405 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.

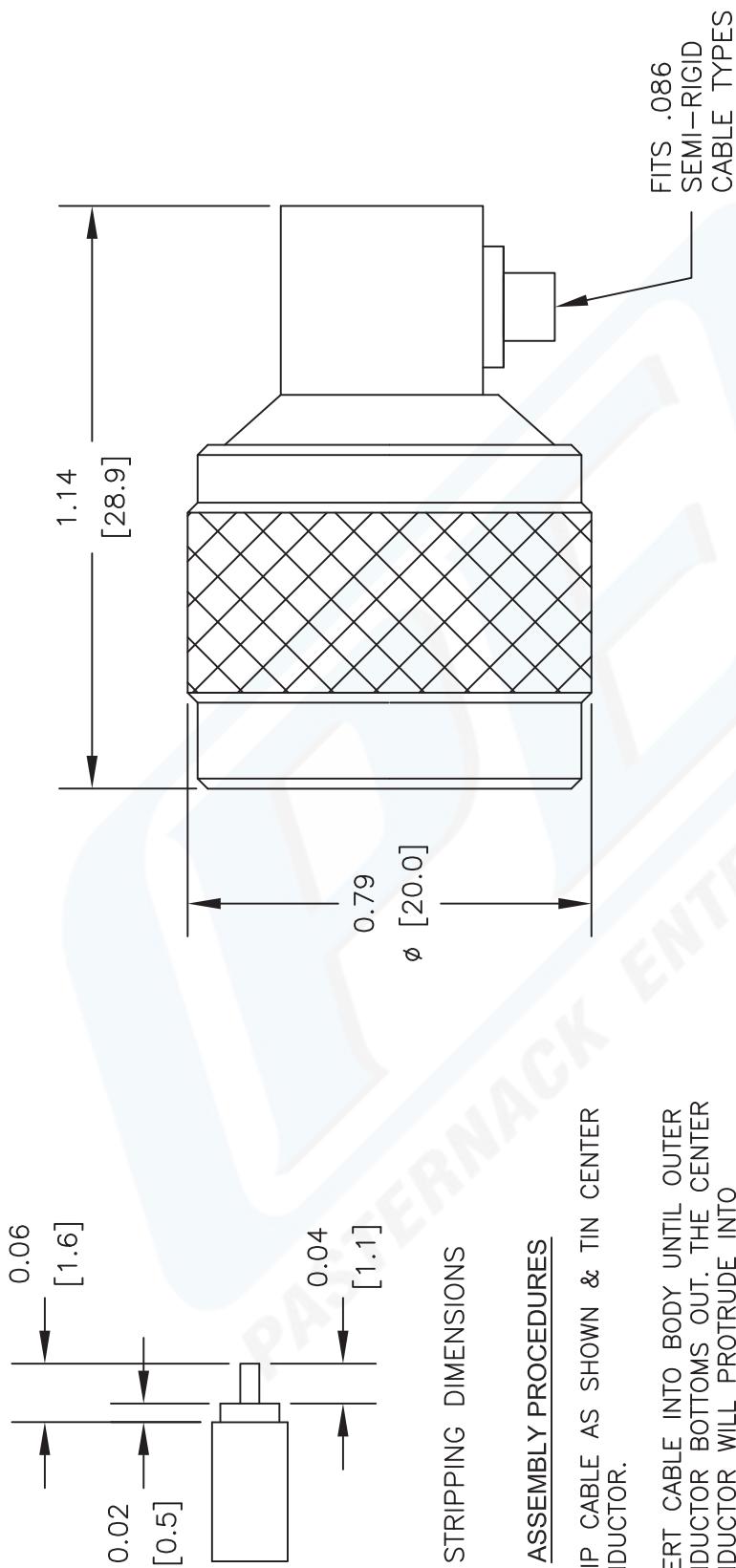
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URL: <http://www.pasternack.com/n-male-standard-pe-sr405al-pe-sr405fl-pe-sr405flj-connector-pe44702-p.aspx>

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# PE44702 CAD Drawing

N Male Right Angle Precision Connector Solder Attachment For  
PE-SR405AL, PE-SR405FL, PE-SR405FLJ, RG405



**PE PASTERNACK®**

Pasternack Enterprises, Inc.

P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

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DWG TITLE  
**PE44702**

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.

| REV. - | FSCM NO. | 53919 | CAD FILE | 062311 | SCALE | N/A | SIZE A | 2231 |
|--------|----------|-------|----------|--------|-------|-----|--------|------|
|--------|----------|-------|----------|--------|-------|-----|--------|------|



## N Female Connector Clamp/Solder Attachment 4 Hole Flange For PE-SR405AL, PE-SR405FL, RG405, .718 inch Hole Spacing

### RF Connectors Technical Data Sheet

PE44073

#### Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR405AL, PE-SR-405FL, RG405
- 4 Hole Flange

#### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

#### Description

Pasternack's PE44073 type N female 4 hole flange mount connector with clamp/solder attachment for PE-SR405AL, PE-SR405FL and RG405 (.718 inch hole spacing) is part of our full line of RF components available for same-day shipping. This type N 4 hole flange connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our type N female 4 hole flange connector PE44073 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.

#### Mechanical Specifications

|        |                     |
|--------|---------------------|
| Weight | 0.096 lbs [43.54 g] |
|--------|---------------------|

#### Material Specifications

| Description | Material | Plating |
|-------------|----------|---------|
| Body        | Brass    | Nickel  |

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Clamp/Solder Attachment 4 Hole Flange For PE-SR405AL, PE-SR-405FL, RG405, .718 inch Hole Spacing PE44073](#)

## N Female Connector Clamp/Solder Attachment 4 Hole Flange For PE-SR405AL, PE-SR405FL, RG405, .718 inch Hole Spacing



### RF Connectors Technical Data Sheet

PE44073

N Female Connector Clamp/Solder Attachment 4 Hole Flange For PE-SR405AL, PE-SR405FL, RG405, .718 inch Hole Spacing 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.

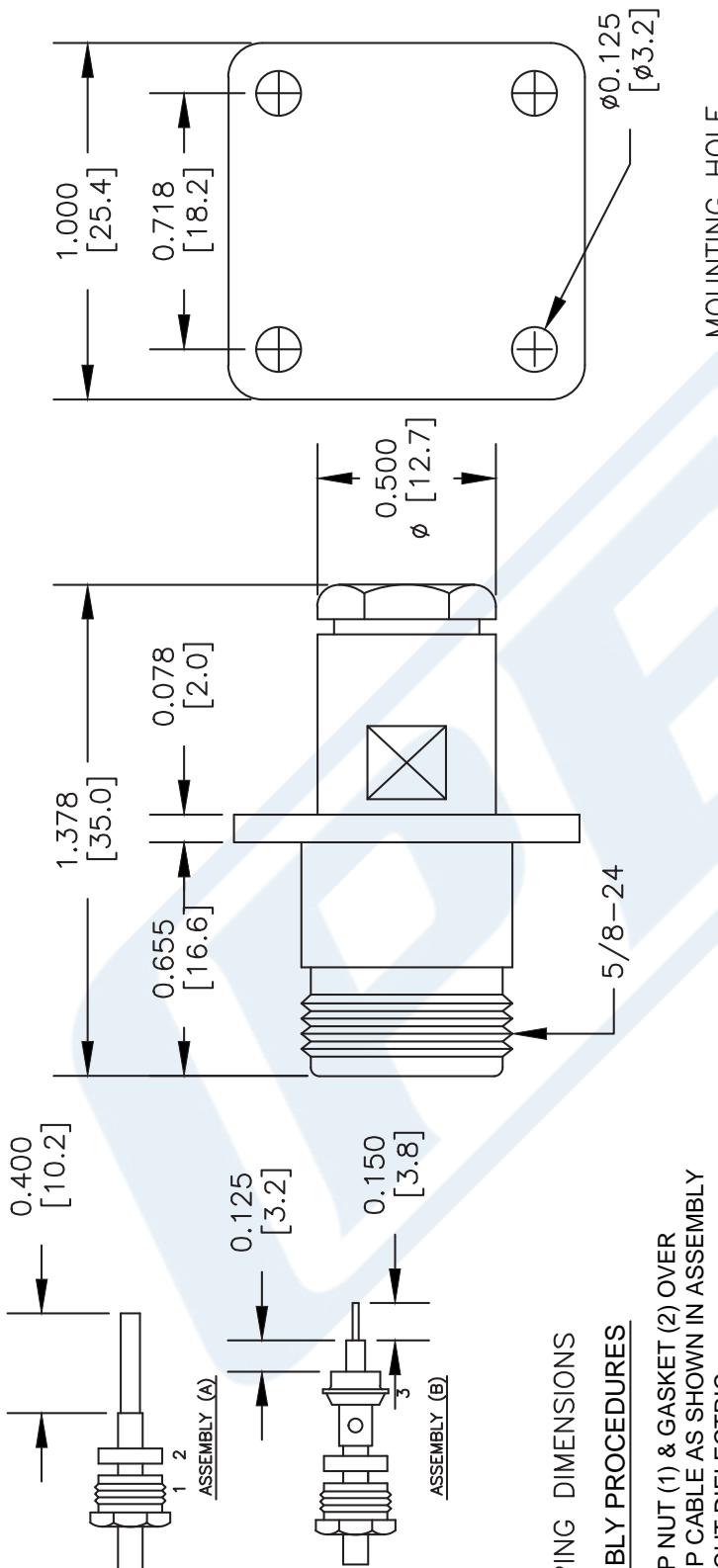
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URL: <https://www.pasternack.com/n-female-standard-pe-sr405al-pe-sr405fl-rg405-connector-pe44073-p.aspx>

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# PE44073 CAD Drawing

N Female Connector Clamp/Solder Attachment 4 Hole Flange For PE-SR405AL, PE-SR405FL, RG405, .718 inch Hole Spacing



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 (B). SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.

**PE PASTERNACK®**  
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DWG TITLE  
**PE44073**

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

| FSCM NO. | CAD FILE | SCALE | SIZE | A |
|----------|----------|-------|------|---|
| 53919    | 062402   | N/A   | 127  |   |

## 086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

### RF Cables Technical Data Sheet

**PE-SR405AL**

#### Configuration

- Semi-Rigid Cable
- 1 Shield(s)

#### Features

- Tinned Aluminum Outer Conductor
- Max Frequency 40 GHz

#### Applications

|                         |                         |                       |
|-------------------------|-------------------------|-----------------------|
| • Test and Measurement  | • Medical Equipment     | • Field Installations |
| • Communication Systems | • RADAR                 |                       |
| • Wireless Systems      | • Low Loss Applications |                       |

#### Description

Semi-rigid coaxial cable provides the highest electrical performance including low loss and high RF shielding effectiveness, which is why it is the cable type of choice for many RF and microwave engineers. Pasternack's PE-SR405AL is a .086 semi-rigid coax cable constructed with silver plated copper clad steel inner conductor, solid PTFE dielectric and tinned aluminum outer conductor. This .086 semi-rigid cable has a maximum operating frequency of 40 GHz and is designed as a superior alternative to the standard RG-405 cable. Semi-rigid cable is used in a wide variety of applications including when higher operating frequency or precision performance is required. PE-SR405AL .086 semi-rigid coaxial cable datasheet specifications and outline drawing are shown in the PDF below.

Pasternack carries a wide range of cables ready to ship same day to fit your needs. They are available in corrugated, flexible, formable or semi-rigid versions with different constructions of conductor materials, dielectric materials, shielding configurations and jacket materials. Our cables are designed to fit a wide range of performance criteria including attenuation, operating temperature, environmental factor, and power capability.

#### Electrical Specifications

| Description                          | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range                      | DC      |         | 40      | GHz   |
| Impedance                            |         | 50      |         | Ohms  |
| Dielectric Withstanding Voltage (AC) |         |         | 5,000   | Vrms  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR405AL](#)

# 086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

## RF Cables Technical Data Sheet

**PE-SR405AL**

### Performance by Frequency Band

| Description           | F1    | F2     | F3     | F4 | F5 | Units    |
|-----------------------|-------|--------|--------|----|----|----------|
| Frequency             | 1     | 10     | 20     |    |    | GHz      |
| Attenuation, Max      | 23    | 81     | 131    |    |    | dB/100ft |
|                       | 75.46 | 265.75 | 429.79 |    |    | dB/100m  |
| Input Power (CW), Max | 130   | 35     | 20     |    |    | Watts    |

### Mechanical Specifications

Min. Bend Radius (Installation)

0.05 in [1.27 mm]

### Construction Specifications

| Description     | Material and Plating                 | Diameter           |
|-----------------|--------------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 1 Strands | 0.02 in [0.51 mm]  |
| Conductor Type  | Solid                                |                    |
| Dielectric      | PTFE                                 | 0.066 in [1.68 mm] |
| Outer Conductor | Tinned Aluminum                      | 0.086 in [2.18 mm] |

### Environmental Specifications

#### Temperature

Operating Range

-55 to +125 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR405AL](#)

## 086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

### RF Cables Technical Data Sheet

**PE-SR405AL**

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

#### Plotted and Other Data

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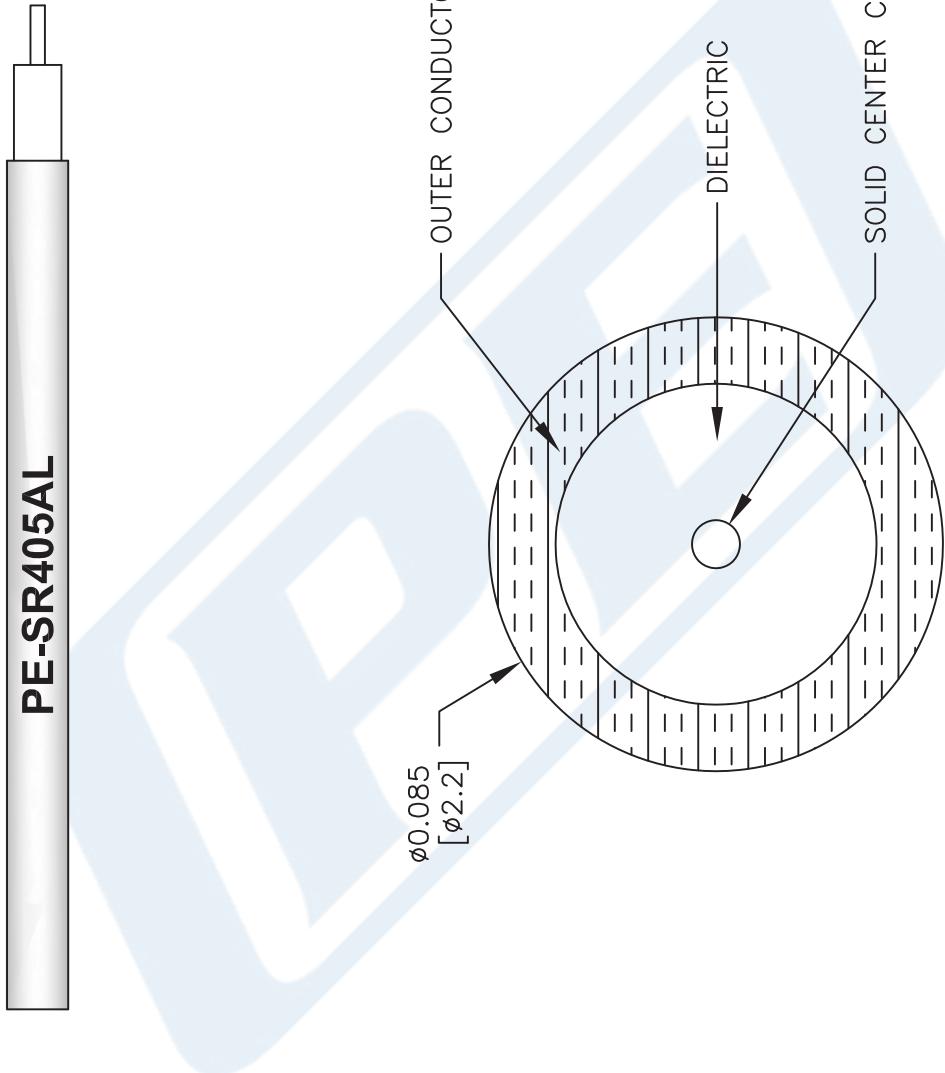
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR405AL](#)

URL: <https://www.pasternack.com/semirigid-0.085-50-ohm-coax-cable-tinned-aluminum-pe-sr405al-p.aspx>

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# PE-SR405AL CAD Drawing

086 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor



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| DWG TITLE | PE-SR405AL |
|-----------|------------|
| FSCM NO.  | 53919      |

CAD FILE

SCALE N/A

SIZE A

41742

|  |   |
|--|---|
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