



SMP Female Right Angle Connector Solder Attachment
for RG405, PE-SR405FL, PE-SR405FLJ Mitered Body

TECHNICAL DATA SHEET

PE44913

Configuration

| | |
|------------------------------------|--------------------------------|
| Connector | SMP Female |
| Connector Specification | DESC 94008 |
| Connector Interface Type | RG405, PE-SR405FL, PE-SR405FLJ |
| Attachment Method (Shield/Contact) | Solder/Solder |
| Body Style | Right Angle |

Electrical Specifications

| | |
|-----------|---------|
| Impedance | 50 Ohms |
|-----------|---------|

Mechanical Specifications

Size

| | |
|------------|---------------------|
| Length | 0.265 in [6.73 mm] |
| Width/Dia. | 0.158 in [4.01 mm] |
| Height | 0.29 in [7.37 mm] |
| Weight | 0.082 lbs [37.19 g] |

Connector

| | |
|-------------------------------|------------------------|
| Type | SMP Female |
| Contact Material and Plating | Beryllium Copper, Gold |
| Contact Plating Specification | MIL-G-45204 |
| Body Material and Plating | Beryllium Copper, Gold |
| Body Plating Specification | MIL-G-45204 |
| Dielectric Type | PTFE |

Compliance Certifications (visit 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: [SMP Female Right Angle Connector Solder Attachment for RG405, PE-SR405FL, PE-SR-405FLJ Mitered Body PE44913](#)



SMP Female Right Angle Connector Solder Attachment for RG405, PE-SR405FL, PE-SR405FLJ Mitered Body

TECHNICAL DATA SHEET

PE44913

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

SMP Female Right Angle Connector Solder Attachment for RG405, PE-SR405FL, PE-SR405FLJ Mitered Body 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.

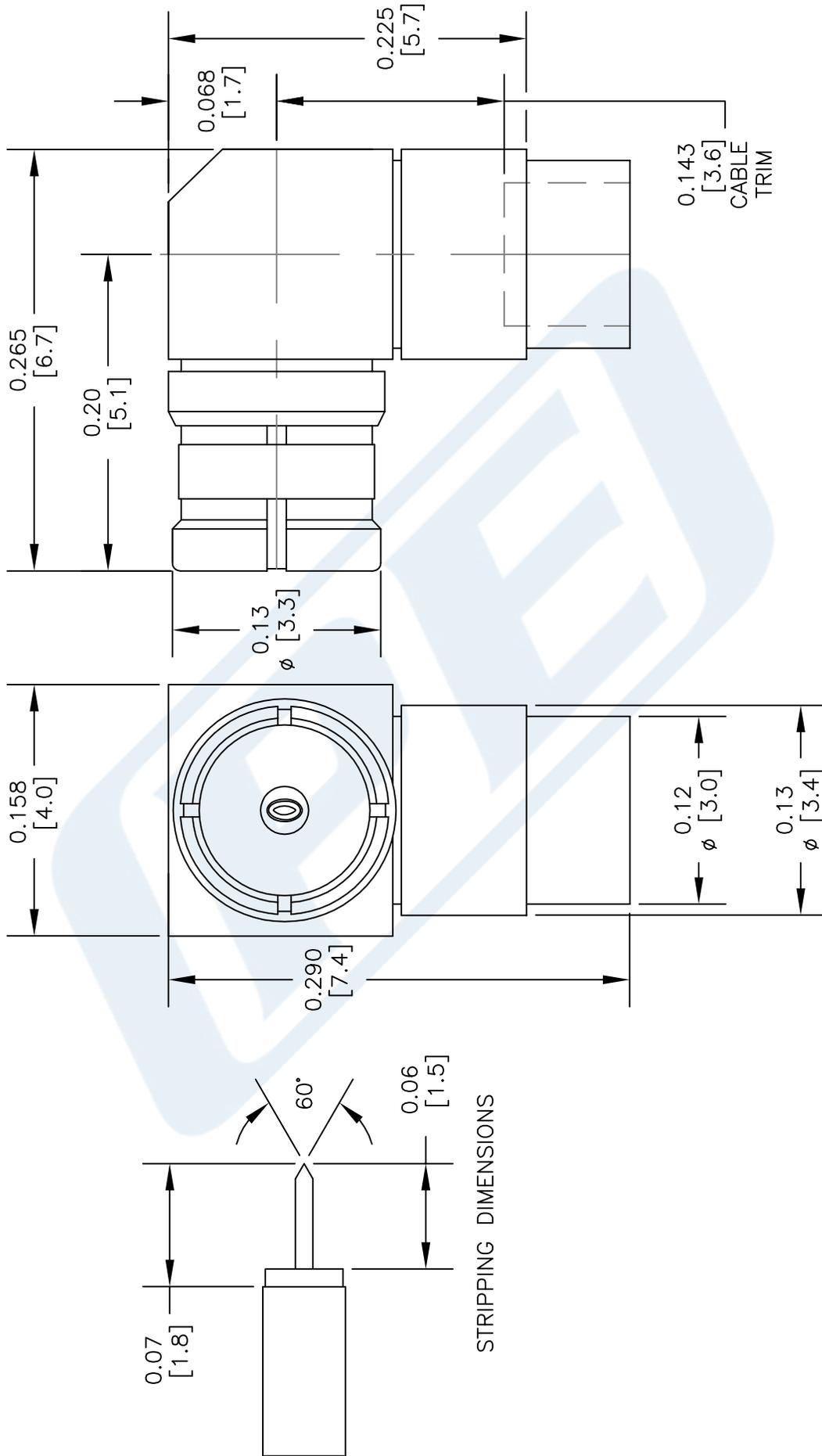
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URL: <http://www.pasternack.com/smp-female-standard-rg405-pe-sr405fl-pe-sr405flj-connector-pe44913-p.aspx>

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PE44913 CAD Drawing

SMP Female Right Angle Connector Solder Attachment for
RG405, PE-SR405FL, PE-SR405FLJ Mitered Body



DWG TITLE

PE44913

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 102913

SCALE N/A

SIZE A

150



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SMP Female Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE44275

Configuration

- Standard SMP Female Standard Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 Interface Type
- Solder/Solder Attachment

Features

- Max. Operating Frequency 26.5 GHz
- Good VSWR of 1.38:1
- Gold Plated Beryllium Copper Contact
- Blind Mate Connector

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44275 SMP female right angle connector with solder/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 SMP female connector operates up to a maximum frequency of 26.5 GHz and offers good VSWR of 1.38:1. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated. Its right angle body geometry allows for easier connections in tight spaces.

Our SMP female right angle connector PE44275 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 | | 26.5 | GHz |
| VSWR | | | 1.38:1 | |
| Operating Voltage (AC) | | | 335 | Vrms |
| Test Voltage (AC) | | | 500 | Vrms |
| Inner Conductor DC Resistance | | | 6 | mOhms |
| Outer Conductor DC Resistance | | | 2 | mOhms |
| 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: [SMP Female Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE44275](#)



SMP Female Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE44275

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------|---------|---------|------------|----|----|-------|
| Frequency Range | DC to 6 | 6 to 12 | 12 to 26.5 | | | GHz |
| VSWR, Max | 1.11:1 | 1.23:1 | 1.38:1 | | | |

Electrical Specification Notes:
 Insertion loss = 0.1 x sqrt(fGHz) dB max.

Mechanical Specifications

Size

| | |
|------------|---------------------|
| Length | 0.26 in [6.6 mm] |
| Width/Dia. | 0.19 in [4.83 mm] |
| Weight | 0.0025 lbs [1.13 g] |

Material Specifications

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

Mechanical Specification Notes:
 Mating cycles: 1,000 (smooth bore), 500 (limited detent), 100 (full detent) minimum.

Environmental Specifications

Temperature

| | |
|-----------------|--------------------------------------|
| Operating Range | -65 to +155 deg C |
| Humidity | MIL-STD-202, Method 106 |
| Shock | MIL-STD-202, Method 213, Condition A |
| Vibration | MIL-STD-202, Method 204, Condition B |
| Thermal Shock | MIL-STD-202, Method 107, Condition B |

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

Plotted and Other Data

Notes:

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SMP Female Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

RF Connectors Technical Data Sheet

PE44275

SMP Female Right Angle Connector 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.

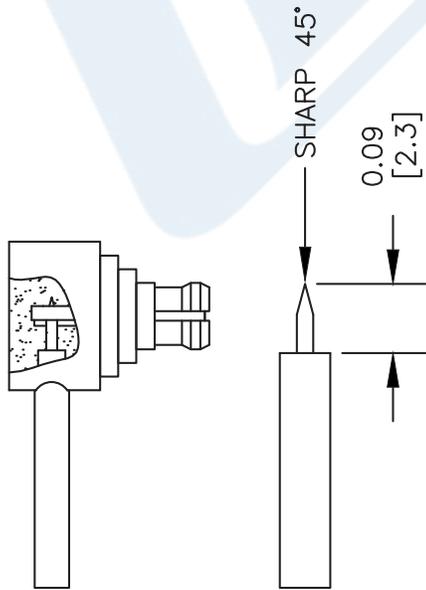
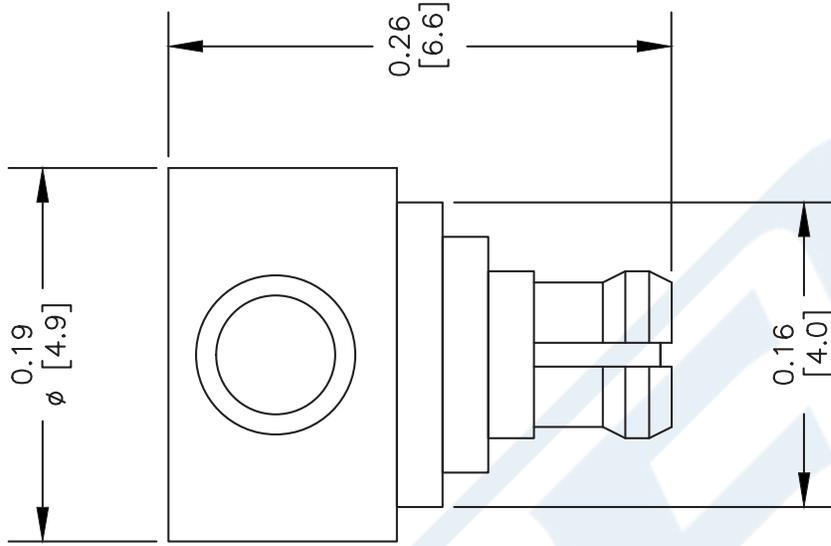
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URL: <https://www.pasternack.com/smp-female-standard-pe-sr405al-pe-sr405fl-rg405-connector-pe44275-p.aspx>

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PE44275 CAD Drawing

SMP Female Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



STRIPPING DIMENSIONS ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SHARP CENTER CONDUCTOR.
2. INSERT CABLE INTO BODY UNTIL IT SITS IN PLACE. SOLDER CENTER CONDUCTOR IN PLACE.
3. SOLDER OUTER CONDUCTOR TO BODY. PRESS DOWN CAP.

DWG TITLE

PE44275

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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 022912

SCALE N/A

SIZE A

2233



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086 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

RG405/U

086 Semi-rigid 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 | 40 |
| Dielectric Withstanding Voltage, Vrms | 5,000 |

Electrical Specifications by Frequency

Frequency 1

| | |
|---------------------------------|------------|
| Frequency, MHz | 1000 |
| Attenuation, dB/100ft [dB/100m] | 22 [72.18] |
| Power Handling, Watts | 130 |

Frequency 2

| | |
|---------------------------------|-------------|
| Frequency, GHz | 10 |
| Attenuation, dB/100ft [dB/100m] | 80 [262.47] |
| Power Handling, Watts | 35 |

Frequency 3

| | |
|---------------------------------|-------------|
| Frequency, GHz | 20 |
| Attenuation, dB/100ft [dB/100m] | 120 [393.7] |
| Power Handling, Watts | 20 |

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] | 0.02 [0.51] |

Dielectric:

| | |
|-------------------|--------------|
| Type | PTFE |
| Diameter, in [mm] | 0.066 [1.68] |

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 Copper Outer Conductor RG405/U](#)

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086 Semi-rigid Coax Cable with Copper Outer Conductor

TECHNICAL DATA SHEET

RG405/U

Shield:

| | |
|-------------------|--------------|
| Number of | 1 |
| Material 1 | Copper |
| Diameter, in [mm] | 0.087 [2.21] |

Jacket:

| | |
|---------------------------------------|--------------|
| Color | Tan |
| One Time Minimum Bend Radius, in [mm] | 0.05 [1.27] |
| Weight, lbs/ft [Kg/m] | 0.015 [0.02] |

Compliance Certifications (visit www.Pasternack.com for current document)

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

Plotted and Other Data

Notes: Values at 25 °C, sea level

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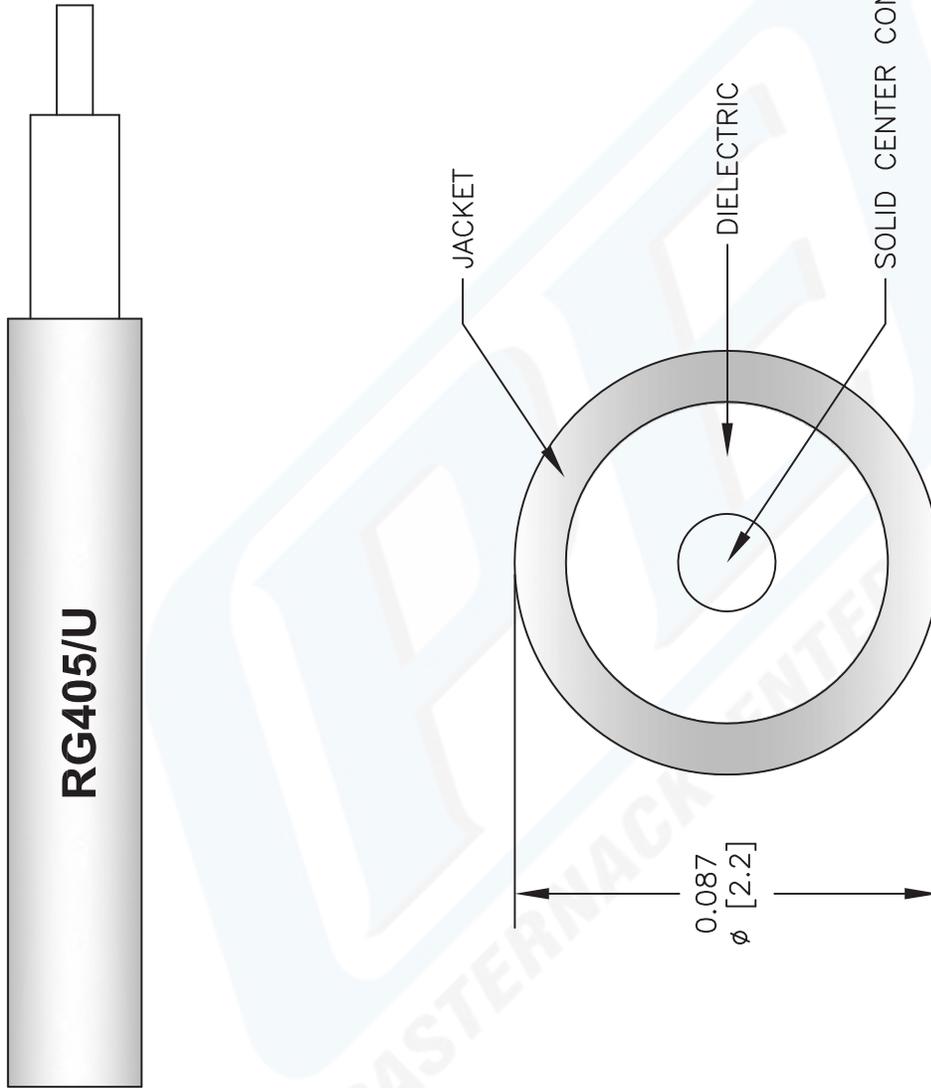
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URL: <http://www.pasternack.com/semirigid-0.085-rg405-50-ohm-coax-cable-copper-rg405-u-p.aspx>

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RG405/U CAD Drawing

086 Semi-rigid Coax Cable with Copper Outer Conductor



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DWG TITLE

RG405/U

FSCM NO. 53919

CAD FILE 022908

SCALE N/A

SIZE A

2233



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