



## MCX Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

### RF Connectors Technical Data Sheet

**PE4877**

#### Configuration

- MCX Plug Connector
- MIL-C-39012
- 50 Ohms
- Right Angle Body Geometry
- PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 Interface Type
- Solder Attachment

#### Features

- Max Frequency 6 GHz
- Good VSWR of 1.31:1
- Gold over Nickel Plated Brass Contact
- 30 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4877 MCX plug right angle connector with 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 MCX plug connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.31:1. Its right angle body geometry allows for easier connections in tight spaces.

Our MCX plug right angle connector PE4877 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      |         | 6       | GHz   |
| VSWR                                     |         |         | 1.31:1  |       |
| Operating Voltage (AC)                   |         |         | 335     | Vrms  |
| Dielectric Withstanding Voltage (AC)     |         |         | 1,000   | Vrms  |
| High Potential Voltage<br>at 4 and 7 MHz |         |         | 670     | Vrms  |
| Corona Discharge<br>at 70,000 feet       |         |         | 250     | Vrms  |
| Insulation Resistance                    | 10,000  |         |         | MOhms |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE4877](#)



MCX Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

## RF Connectors Technical Data Sheet

PE4877

### Performance by Frequency

| Description         | F1      | F2 | F3 | F4 | F5 | Units |
|---------------------|---------|----|----|----|----|-------|
| Frequency Range     | DC to 1 |    |    |    |    | GHz   |
| Insertion Loss, Max | 0.2     |    |    |    |    | dB    |

Electrical Specification Notes:  
RF leakage: 55 dB at 2.5 GHz.

### Mechanical Specifications

#### Size

|               |                    |
|---------------|--------------------|
| Length        | 0.28 in [7.11 mm]  |
| Width/Dia.    | 0.24 in [6.10 mm]  |
| Height        | 0.311 in [7.9 mm]  |
| Weight        | 0.003 lbs [1.36 g] |
| Mating Cycles | 500 Cycles         |

### Material Specifications

| Description | Material | Plating                            |
|-------------|----------|------------------------------------|
| Contact     | Brass    | Gold over Nickel<br>30 µin minimum |
| Insulation  | PTFE     |                                    |
| Body        | Brass    | Gold over Nickel<br>10 µin minimum |

### Environmental Specifications

#### Temperature

|                 |                                      |
|-----------------|--------------------------------------|
| Operating Range | -65 to +165 deg C                    |
| Humidity        | MIL-STD-202, Method 106              |
| Shock           | MIL-STD-202, Method 213, Condition B |
| Vibration       | MIL-STD-202, Method 204, Condition B |
| Thermal Shock   | MIL-STD-202, Method 107, Condition F |
| Salt Spray      | MIL-STD-202, Method 101, Condition B |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE4877](#)



MCX Plug Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

## RF Connectors Technical Data Sheet

PE4877

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

### Plotted and Other Data

Notes:

MCX Plug 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% availability and are part of the broadest selection in the industry.

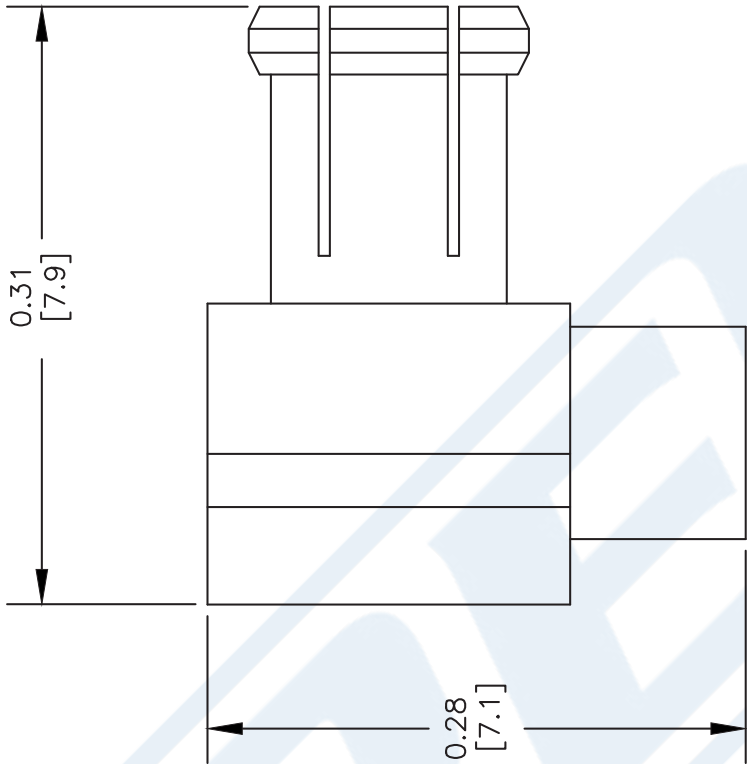
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URL: <https://www.pasternack.com/mcx-plug-standard-pe-sr405al-pe-sr405fl-rg405-connector-pe4877-p.aspx>

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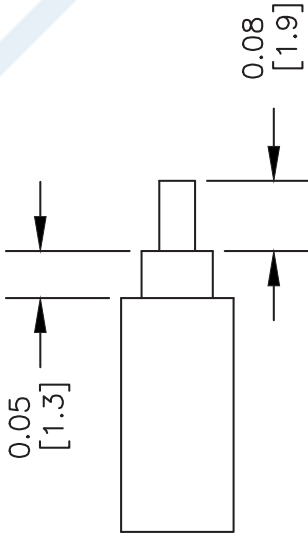
PE4877 CAD Drawing

MCX Plug Right Angle Connector Solder Attachment for PE-SR405AL,  
PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



ASSEMBLY PROCEDURES

- 1. STRIP CABLE AS SHOWN DO NOT NICK CENTER CONDUCTOR.
- 2. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT SOLDER CENTER CONDUCTOR IN PLACE.
- 3. SOLDER OUTER CONDUCTOR TO BODY, PRESS DOWN CAP.



STRIPPING DIMENSIONS

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 |  | FSCM NO. 53919 |  | CAD FILE 061202 |  | SCALE N/A | SIZE A | 127 |
| PE4877    |  |                |  |                 |  |           |        |     |



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MMCX Jack Connector Solder Attachment for PE-SR405AL,  
PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

## RF Connectors Technical Data Sheet

PE44458

### Configuration

- MMCX Jack Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 Interface Type
- Solder Attachment

### Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.4:1
- Gold Plated Beryllium Copper Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44458 MMCX jack connector with 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 MMCX jack connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.4:1.

Our MMCX jack connector PE44458 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      |         | 6       | GHz   |
| VSWR                                 |         |         | 1.4:1   |       |
| Operating Voltage (AC)               |         |         | 170     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 500     | Vrms  |

### Performance by Frequency

| Description     | F1      | F2     | F3 | F4 | F5 | Units |
|-----------------|---------|--------|----|----|----|-------|
| Frequency Range | DC to 4 | 4 to 6 |    |    |    | GHz   |
| VSWR, Max       | 1.15:1  | 1.4:1  |    |    |    |       |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Jack Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE44458](#)



MMCX Jack Connector Solder Attachment for PE-SR405AL,  
PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

## RF Connectors Technical Data Sheet

PE44458

### Mechanical Specifications

#### Size

|               |                    |
|---------------|--------------------|
| Length        | 0.49 in [12.45 mm] |
| Width/Dia.    | 0.16 in [4.06 mm]  |
| Weight        | 0.002 lbs [0.91 g] |
| Mating Cycles | 500 Cycles         |

### Material Specifications

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

### Environmental Specifications

#### Temperature

|                 |                                      |
|-----------------|--------------------------------------|
| Operating Range | -65 to +165 deg C                    |
| Humidity        | MIL-STD-202, Method 103, Condition B |
| Shock           | MIL-STD-202, Method 213, Condition B |
| Salt Spray      | MIL-STD-202, Method 101, Condition B |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Jack Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 PE44458](#)



MMCX Jack Connector Solder Attachment for PE-SR405AL,  
PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405

## RF Connectors Technical Data Sheet

PE44458

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

### Plotted and Other Data

Notes:

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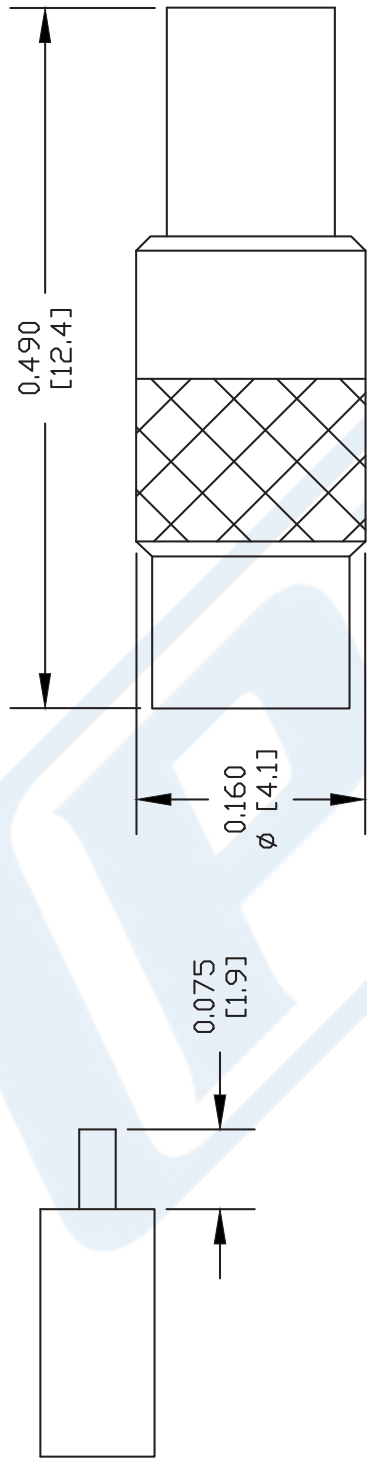
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URL: <https://www.pasternack.com/mmcx-jack-standard-pe-sr405al-pe-sr405fl-rg405-connector-pe44458-p.aspx>

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PE44458 CAD Drawing

MMCX Jack Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405



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 CONTACT SEATS IN PLACE. SOLDER OUTER CONDUCTOR TO BODY.

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

PE44458

FSCM NO. 53919

CAD FILE 060713

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](http://www.Pasternack.com) for current document)

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

**Plotted and Other Data**

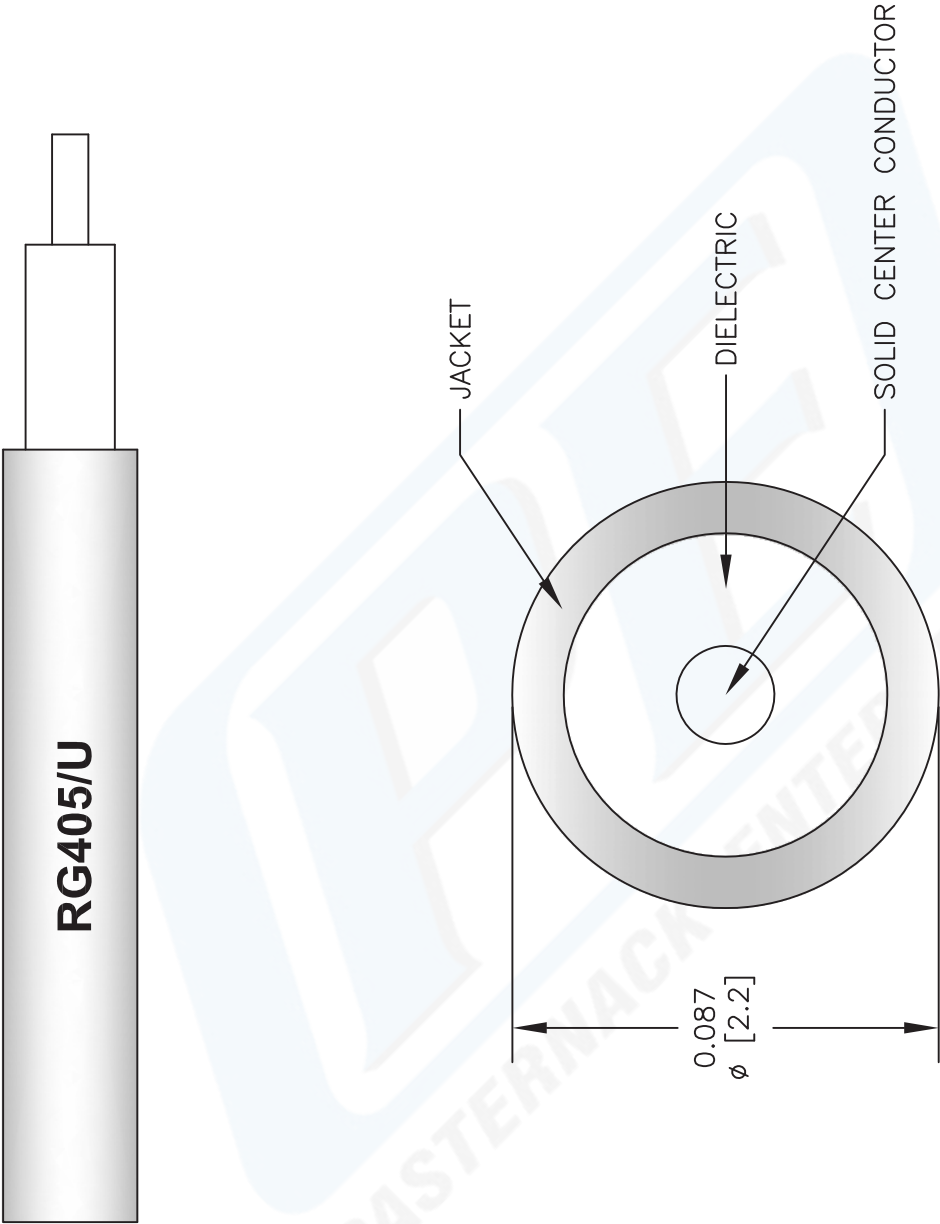
|        |                            |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

086 Semi-rigid Coax Cable with Copper Outer Conductor 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.

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](#)

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

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DWG TITLE  
**RG405/U**

FSCM NO. 53919

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