



**BMA Jack MIL-STD-38999 (D38999) Connector**  
Solder Attachment for RG405, PE-SR405AL,  
PE-SR405FL, PE-SR405FLJ

**RF Connectors Technical Data Sheet**

**PE45325**

**Configuration**

- Snap-On BMA Jack Connector
- 50 Ohms
- Straight Body Geometry
- RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ Interface Type
- Solder/Solder Attachment

**Features**

- Max. Operating Frequency 22 GHz
- Good VSWR of 1.27:1
- Gold Plated Beryllium Copper Contact
- 51.18µ in. minimum contact plating
- Blind Mate Connector
- IP54(Mated)
- Low-Engagement Force
- Radial and Axial Float Versions

**Applications**

- General Purpose Test
- Custom Cable Assemblies
- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations
- RF Backplanes
- Test I/O

**Description**

Pasternack's PE45325 BMA jack snap-on connector with solder/solder attachment for RG405, PE-SR405AL, PE-SR405FL and PE-SR405FLJ is part of our full line of RF components available for same-day shipping. Our BMA jack connector operates up to a maximum frequency of 22 GHz and offers good VSWR of 1.27:1. 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.

Our BMA jack connector PE45325 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      |         | 22      | GHz   |
| VSWR                                 |         |         | 1.27:1  |       |
| Insertion Loss                       |         |         | 0.14    | dB    |
| Operating Voltage (AC)               |         |         | 500     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 1,000   | 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: [BMA Jack MIL-STD-38999 \(D38999\) Connector Solder Attachment for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ PE45325](#)



BMA Jack MIL-STD-38999 (D38999) Connector  
Solder Attachment for RG405, PE-SR405AL,  
PE-SR405FL, PE-SR405FLJ

## RF Connectors Technical Data Sheet

PE45325

### Mechanical Specifications

#### Size

|               |                    |
|---------------|--------------------|
| Length        | 0.84 in [21.34 mm] |
| Width/Dia.    | 0.315 in [8.00 mm] |
| Weight        | 0.007 lbs [3.18 g] |
| Mating Cycles | 1,000 Cycles       |

### Material Specifications

| Description     | Material         | Plating                    |
|-----------------|------------------|----------------------------|
| Contact         | Beryllium Copper | Gold<br>51.18μ in. minimum |
| Insulation      | PTFE             |                            |
| Outer Conductor | Beryllium Copper | Gold                       |
| Body            | Stainless Steel  | Gold<br>19.68μ in. minimum |

Mechanical Specification Notes:

Recommended axial float mount for best electrical performance: 0.51 +/- 0.25 mm (.020" +/- .010)

### Environmental Specifications

#### Temperature

|                                |                   |
|--------------------------------|-------------------|
| Operating Range                | -40 to +105 deg C |
| Ingress Protection (IP) Rating | IP54(Mated)       |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Jack MIL-STD-38999 \(D38999\) Connector Solder Attachment for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ PE45325](#)



**BMA Jack MIL-STD-38999 (D38999) Connector**  
**Solder Attachment for RG405, PE-SR405AL,**  
**PE-SR405FL, PE-SR405FLJ**

**RF Connectors Technical Data Sheet**

**PE45325**

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

**Plotted and Other Data**

Notes:

BMA Jack MIL-STD-38999 (D38999) Connector Solder Attachment for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ 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.

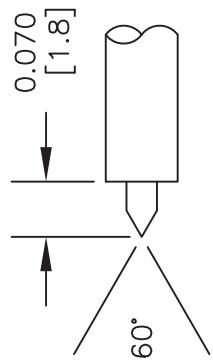
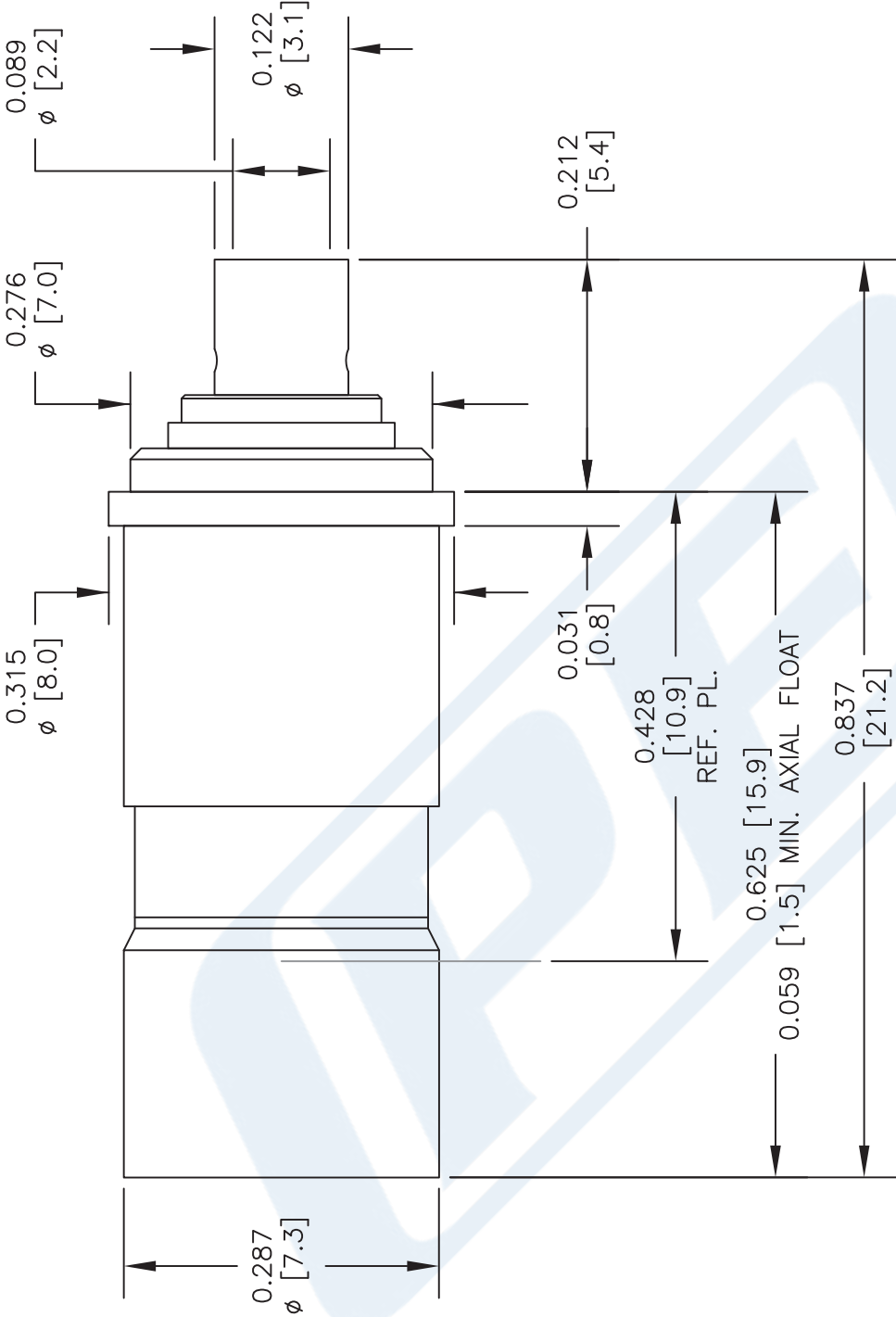
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URL: <https://www.pasternack.com/bma-jack-snap-on-rg405-pe-sr405al-pe-sr405fl-pe-sr405flj-connector-pe45325-p.aspx>

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# PE45325 CAD Drawing

BMA Jack MIL-STD-38999 (D38999) Connector Solder Attachment  
for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ



### STRIPPING DIMENSIONS

### ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SLIDE CABLE INTO CONNECTOR INSURING CENTER CONDUCTOR MATES WITH CENTER PIN.
3. OUTER CONDUCTOR BOTTOMS OUT WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

| STANDARD TOLERANCES |       |
|---------------------|-------|
| .X                  | ±0.2  |
| .XX                 | ±0.1  |
| .XXX                | ±0.05 |

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

DWG TITLE

PE45325

- 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].



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CAGE CODE 53919

CAD FILE 020817

SCALE N/A

SIZE A

2233



BMA Jack Slide-On Connector Solder/Non-Solder  
Contact Attachment 2 Hole Flange Mount for RG405,  
PE-SR405AL, PE-SR405FL, PE-SR405FLJ

## RF Connectors Technical Data Sheet

PE45322

### Configuration

- Slide-On BMA Jack Connector
- 50 Ohms
- Straight Body Geometry
- RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ

- Interface Type
- Solder/Non-Solder Contact Attachment
  - 2 Hole Flange

### Features

- Max. Operating Frequency 22 GHz
- Good VSWR of 1.27:1
- Gold Plated Beryllium Copper Contact
- 51.18µ in. minimum contact plating
- Blind Mate Connector
- IP54(Mated)
- Low-Engagement Force
- Radial and Axial Float Versions

### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations
- RF Backplanes
- Test I/O

### Description

Pasternack's PE45322 BMA jack slide-on 2 hole flange mount connector with solder/non-solder contact attachment for RG405, PE-SR405AL, PE-SR405FL and PE-SR405FLJ is part of our full line of RF components available for same-day shipping. Our BMA jack connector operates up to a maximum frequency of 22 GHz and offers good VSWR of 1.27:1. 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. This BMA 2 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 BMA jack 2 hole flange connector PE45322 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      |         | 22      | GHz   |
| VSWR                                 |         |         | 1.27:1  |       |
| Insertion Loss                       |         |         | 0.14    | dB    |
| Operating Voltage (AC)               |         |         | 350     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 1,000   | 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: [BMA Jack Slide-On Connector Solder/Non-Solder Contact Attachment 2 Hole Flange Mount for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ PE45322](#)



BMA Jack Slide-On Connector Solder/Non-Solder  
Contact Attachment 2 Hole Flange Mount for RG405,  
PE-SR405AL, PE-SR405FL, PE-SR405FLJ

## RF Connectors Technical Data Sheet

PE45322

### Mechanical Specifications

#### Size

|               |                    |
|---------------|--------------------|
| Length        | 0.7 in [17.78 mm]  |
| Width/Dia.    | 0.75 in [19.05 mm] |
| Weight        | 0.013 lbs [5.9 g]  |
| Mating Cycles | 1,000 Cycles       |

### Material Specifications

| Description     | Material         | Plating                    |
|-----------------|------------------|----------------------------|
| Contact         | Beryllium Copper | Gold<br>51.18μ in. minimum |
| Insulation      | PTFE             |                            |
| Outer Conductor | Beryllium Copper | Gold                       |
| Body            | Stainless Steel  | Gold<br>19.68μ in. minimum |

Mechanical Specification Notes:

Recommended axial float mount for best electrical performance: 0.51 +/- 0.25 mm (.020" +/- .010)

### Environmental Specifications

#### Temperature

|                                |                   |
|--------------------------------|-------------------|
| Operating Range                | -65 to +165 deg C |
| Ingress Protection (IP) Rating | IP54(Mated)       |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Jack Slide-On Connector Solder/Non-Solder Contact Attachment 2 Hole Flange Mount for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ PE45322](#)





BMA Jack Slide-On Connector Solder/Non-Solder  
Contact Attachment 2 Hole Flange Mount for RG405,  
PE-SR405AL, PE-SR405FL, PE-SR405FLJ

## RF Connectors Technical Data Sheet

PE45322

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

### Plotted and Other Data

Notes:

BMA Jack Slide-On Connector Solder/Non-Solder Contact Attachment 2 Hole Flange Mount for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ 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.

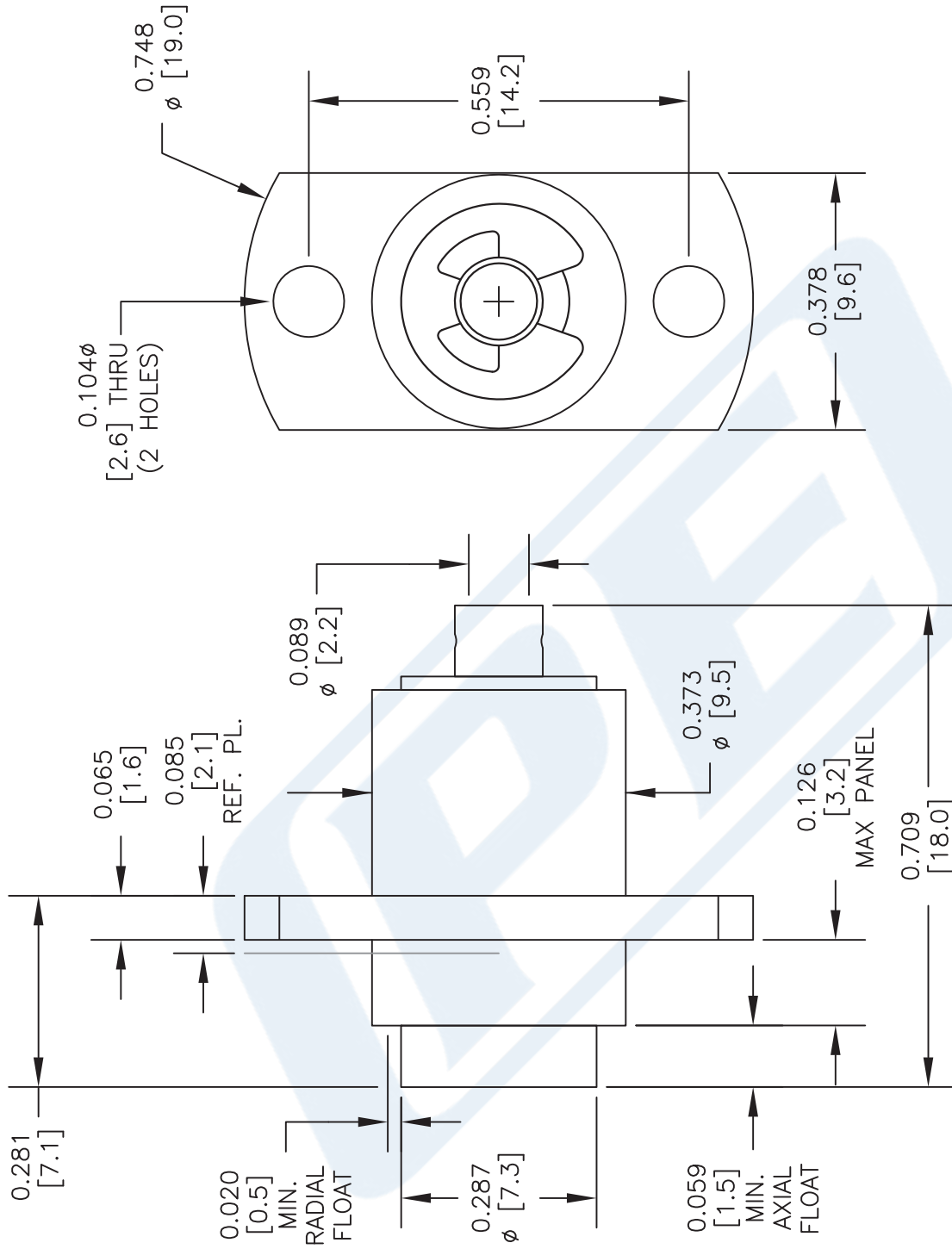
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URL: <https://www.pasternack.com/bma-jack-slide-on-rg405-pe-sr405al-pe-sr405fl-pe-sr405flj-connector-pe45322-p.aspx>

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# PE45322 CAD Drawing

BMA Jack Slide-On Connector Solder/Non-Solder Contact Attachment 2 Hole  
Flange Mount for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ



## STANDARD TOLERANCES

.X ±0.2  
.XX ±0.1  
.XXX ±0.05

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

**PE45322**

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CAGE CODE 53919

CAD FILE 021417

SCALE N/A

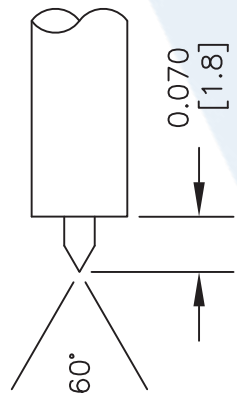
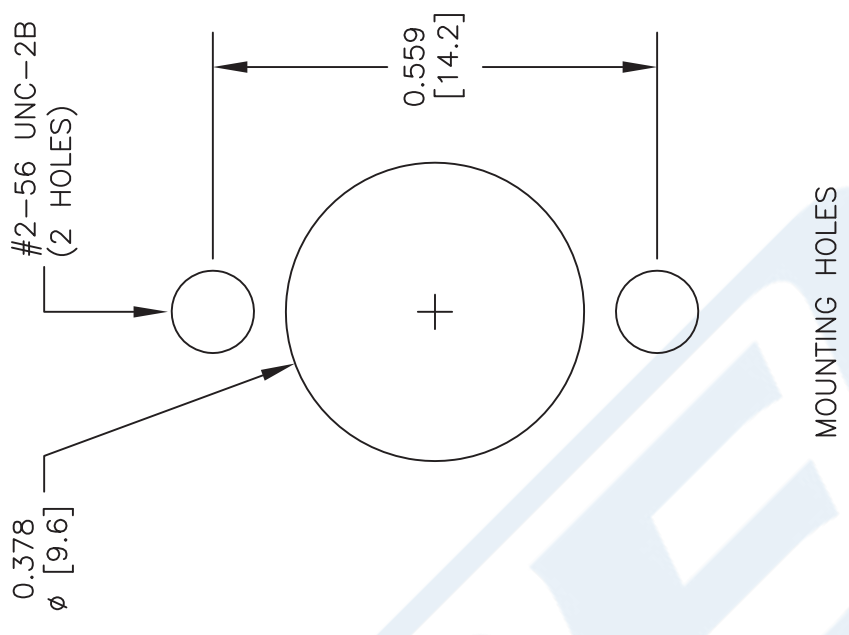
SIZE A

2233



PE45322 CAD Drawing

BMA Jack Slide-On Connector Solder/Non-Solder Contact Attachment 2 Hole  
Flange Mount for RG405, PE-SR405AL, PE-SR405FL, PE-SR405FLJ



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SLIDE CABLE INTO CONNECTOR INSURING CENTER CONDUCTOR MATES WITH CENTER PIN.
3. OUTER CONDUCTOR BOTTOMS OUT WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

| STANDARD TOLERANCES |       |
|---------------------|-------|
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| .XX                 | ±0.1  |
| .XXX                | ±0.05 |

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CAGE CODE 53919

CAD FILE 021417  
SCALE N/A  
SIZE A  
2233

## RG405 Tinned Coax Cable with Tinned Copper Outer Conductor

RF Cables  
Technical Data Sheet

PE-SR405TN

**Configuration**

- Semi-Rigid Cable
- MIL-C-17
- 1 Shield(s)

**Electrical Specifications**

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC      |         | 40      | GHz   |
| Impedance       |         | 50      |         | Ohms  |

**Performance by Frequency Band**

| Description           | F1    | F2     | F3    | F4 | F5 | Units    |
|-----------------------|-------|--------|-------|----|----|----------|
| Frequency             | 1     | 10     | 20    |    |    | GHz      |
| Attenuation, Typ      | 22    | 80     | 120   |    |    | dB/100ft |
|                       | 72.18 | 262.47 | 393.7 |    |    | 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 Strand | 0.02 in 0.51 mm    |
| Conductor Type  | Solid                               |                    |
| Dielectric      | PTFE                                | 0.066 in [1.68 mm] |
| First Shield    | Tinned Copper                       | 0.087 in 2.21 mm   |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG405 Tinned Coax Cable with Tinned Copper Outer Conductor PE-SR405TN](#)

## RG405 Tinned Coax Cable with Tinned Copper Outer Conductor

### RF Cables Technical Data Sheet

PE-SR405TN

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +125 deg C

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

#### Plotted and Other Data

Notes:

RG405 Tinned Coax Cable with Tinned Copper Outer Conductor 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.

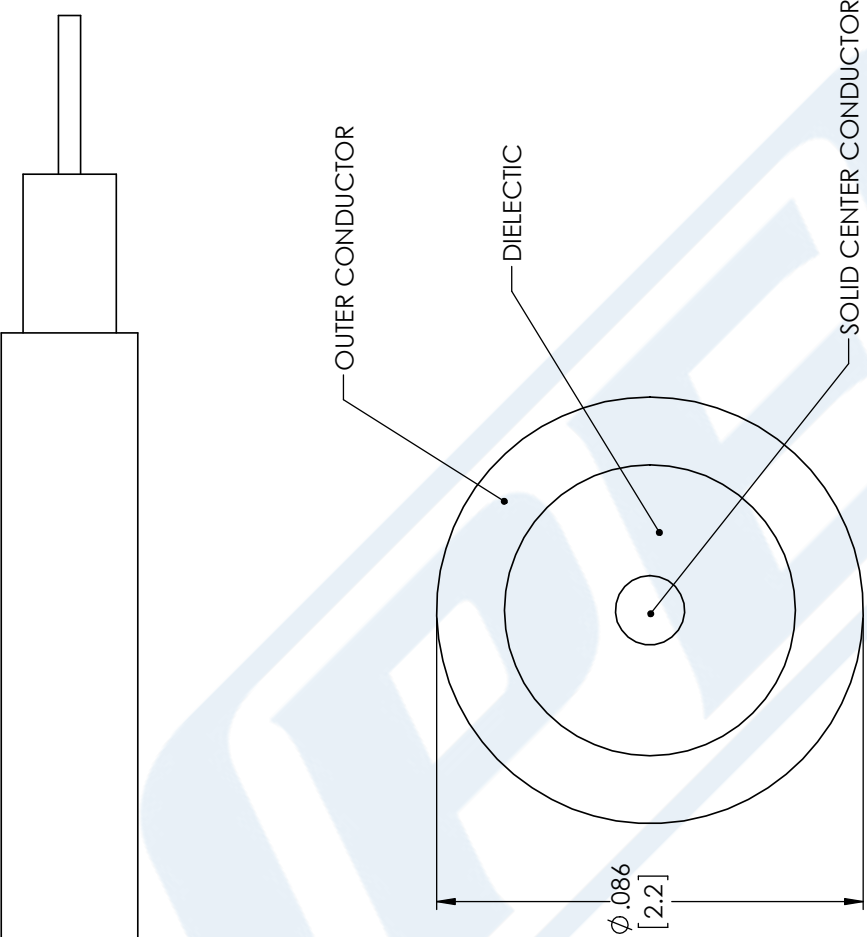
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG405 Tinned Coax Cable with Tinned Copper Outer Conductor PE-SR405TN](#)

URL: <https://www.pasternack.com/50-ohm-semi-rigid-rg405-tinned-tinned-copper-pe-sr405tn-p.aspx>

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PE-SR405TN CAD Drawing

RG405 Tinned Coax Cable with Tinned Copper Outer Conductor



| STANDARD TOLERANCES |        |
|---------------------|--------|
| .X                  | ±0.2   |
| .XX                 | ±0.01  |
| .XXX                | ±0.005 |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

**[PE]**

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|           |            |
|-----------|------------|
| DWG TITLE | PE-SR405TN |
| CAGE CODE | 53919      |

|                                                                                                                                                                                     |          |          |       |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-------|-----|------|--------|
| NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. | CAD FILE | 11/28/17 | SCALE | N/A | SIZE | A      |
|                                                                                                                                                                                     |          |          |       |     |      | CN2245 |