



# BMA Plug Bulkhead Mount Slide-On Connector Solder/ Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN

## RF Connectors Technical Data Sheet

PE45314

### Configuration

- Slide-On BMA Plug Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN
- Bulkhead
- 8 mm Hex

### Features

- Max. Operating Frequency 12 GHz
- Good VSWR of 1.28:1
- Gold Plated Bronze Contact
- 51.18µ in. minimum contact plating
- Blind Mate Connector
- Low-Engagement Force

### 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 PE45314 BMA plug slide-on bulkhead connector with solder/non-solder contact attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ and PE-SR402TN is part of our full line of RF components available for same-day shipping. Our BMA plug connector operates up to a maximum frequency of 12 GHz and offers good VSWR of 1.28:1. 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 bulkhead 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 plug bulkhead connector PE45314 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      |         | 12      | GHz   |
| VSWR                                 |         |         | 1.28:1  |       |
| 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 Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN PE45314](#)



BMA Plug Bulkhead Mount Slide-On Connector Solder/  
Non-Solder Contact Attachment for RG402, PE-SR402AL,  
PE-SR402FL, PE-SR402FLJ, PE-SR402TN

## RF Connectors Technical Data Sheet

PE45314

### Mechanical Specifications

#### Size

|               |                    |
|---------------|--------------------|
| Length        | 0.7 in [17.78 mm]  |
| Width/Dia.    | 0.315 in [8.00 mm] |
| Weight        | 0.006 lbs [2.72 g] |
| Mating Cycles | 500 Cycles         |

### Material Specifications

| Description     | Material | Plating                         |
|-----------------|----------|---------------------------------|
| Contact         | Bronze   | Gold<br>51.18μ in. minimum      |
| Insulation      | PTFE     |                                 |
| Outer Conductor | Brass    | Tri-Metal<br>78.74μ in. minimum |
| Body            | Brass    | Tri-Metal<br>78.74μ in. minimum |
| Washer          | Brass    | Tri-Metal                       |

### Environmental Specifications

#### Temperature

|                 |                   |
|-----------------|-------------------|
| Operating Range | -65 to +125 deg C |
|-----------------|-------------------|

**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: [BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN PE45314](#)



**BMA Plug Bulkhead Mount Slide-On Connector Solder/  
Non-Solder Contact Attachment for RG402, PE-SR402AL,  
PE-SR402FL, PE-SR402FLJ, PE-SR402TN**

**RF Connectors**  
**Technical Data Sheet**

**PE45314**

BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN 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.

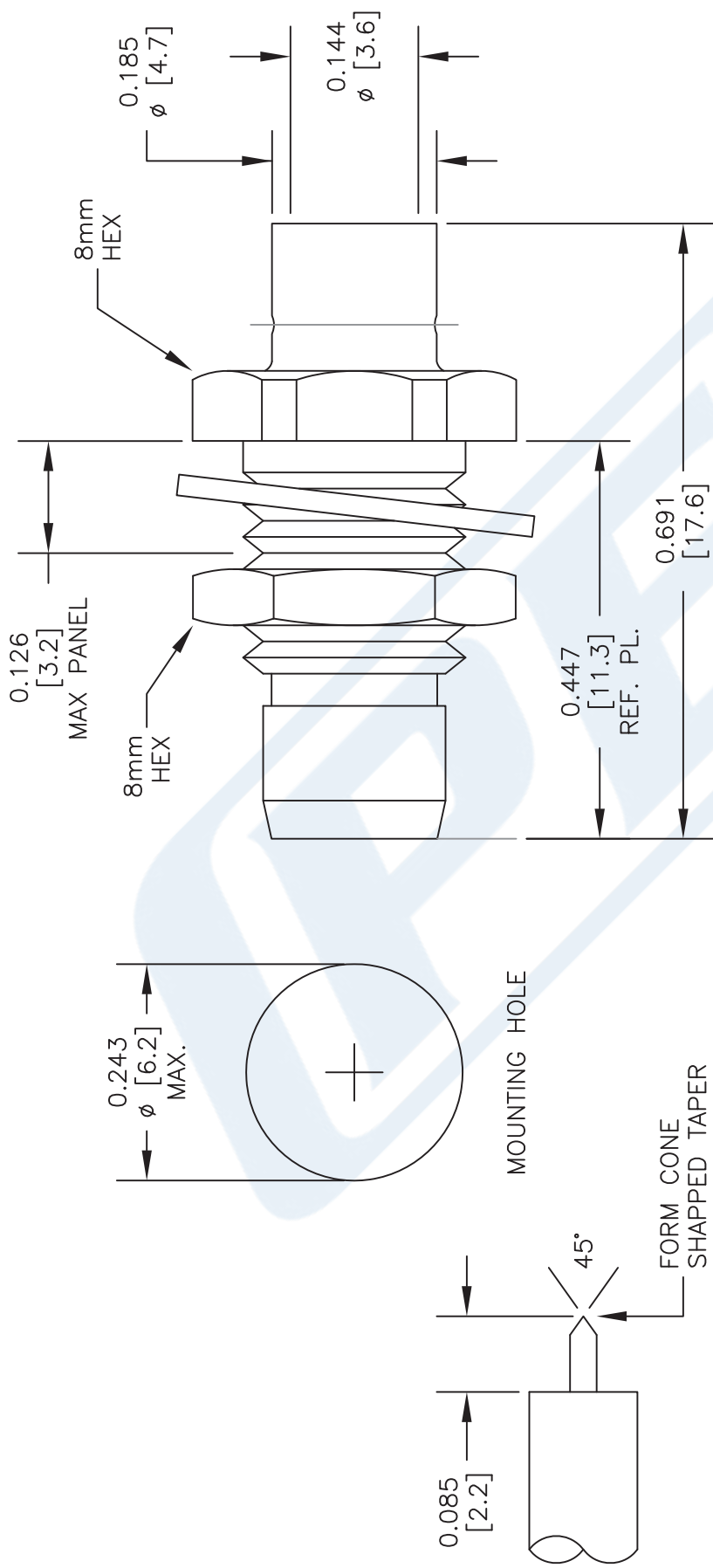
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URL: <https://www.pasternack.com/bma-plug-slide-on-rg402-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe45314-p.aspx>

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PE45314 CAD Drawing

BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact  
Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN



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

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

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].

DWG TITLE  
**PE45314**

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CAGE CODE 53919

CAD FILE 022217

SCALE N/A

SIZE A

2233

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.



## BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange Mount for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN

### RF Connectors Technical Data Sheet

PE45329

#### Configuration

- Slide-On BMA Jack Connector
- 50 Ohms
- Right Angle Body Geometry
- RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN Interface Type
- Solder/Solder Attachment
- 2 Hole Flange

#### Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.46:1
- Gold Plated Beryllium Copper Contact
- Blind Mate Connector
- 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 PE45329 BMA jack slide-on right angle 2 hole flange mount connector with solder/solder attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ and PE-SR402TN 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 12.4 GHz and offers good VSWR of 1.46:1. 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. 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 right angle 2 hole flange connector PE45329 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      |         | 12.4    | GHz   |
| VSWR                                 |         |         | 1.46:1  |       |
| Insertion Loss                       |         |         | 0.25    | 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 Right Angle Slide-On Connector Solder Attachment 2 Hole Flange Mount for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN PE45329](#)



BMA Jack Right Angle Slide-On Connector Solder  
Attachment 2 Hole Flange Mount for RG402, PE-  
SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN

RF Connectors Technical Data Sheet

PE45329

**Mechanical Specifications**

**Size**

|               |                    |
|---------------|--------------------|
| Length        | 0.87 in [22.1 mm]  |
| Width/Dia.    | 0.37 in [9.40 mm]  |
| Height        | 0.74 in [18.8 mm]  |
| Weight        | 0.019 lbs [8.62 g] |
| Mating Cycles | 1,000 Cycles       |

**Material Specifications**

| Description     | Material         | Plating   |
|-----------------|------------------|-----------|
| Contact         | Beryllium Copper | Gold      |
| Insulation      | PTFE             |           |
| Outer Conductor | Beryllium Copper | Gold      |
| Body            | Brass            | Tri-Metal |

**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 +100 deg C |
|-----------------|-------------------|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange Mount for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN PE45329](#)



**BMA Jack Right Angle Slide-On Connector Solder  
Attachment 2 Hole Flange Mount for RG402, PE-  
SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN**

**RF Connectors Technical Data Sheet**

**PE45329**

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

**Plotted and Other Data**

Notes:

BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange Mount for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN 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.

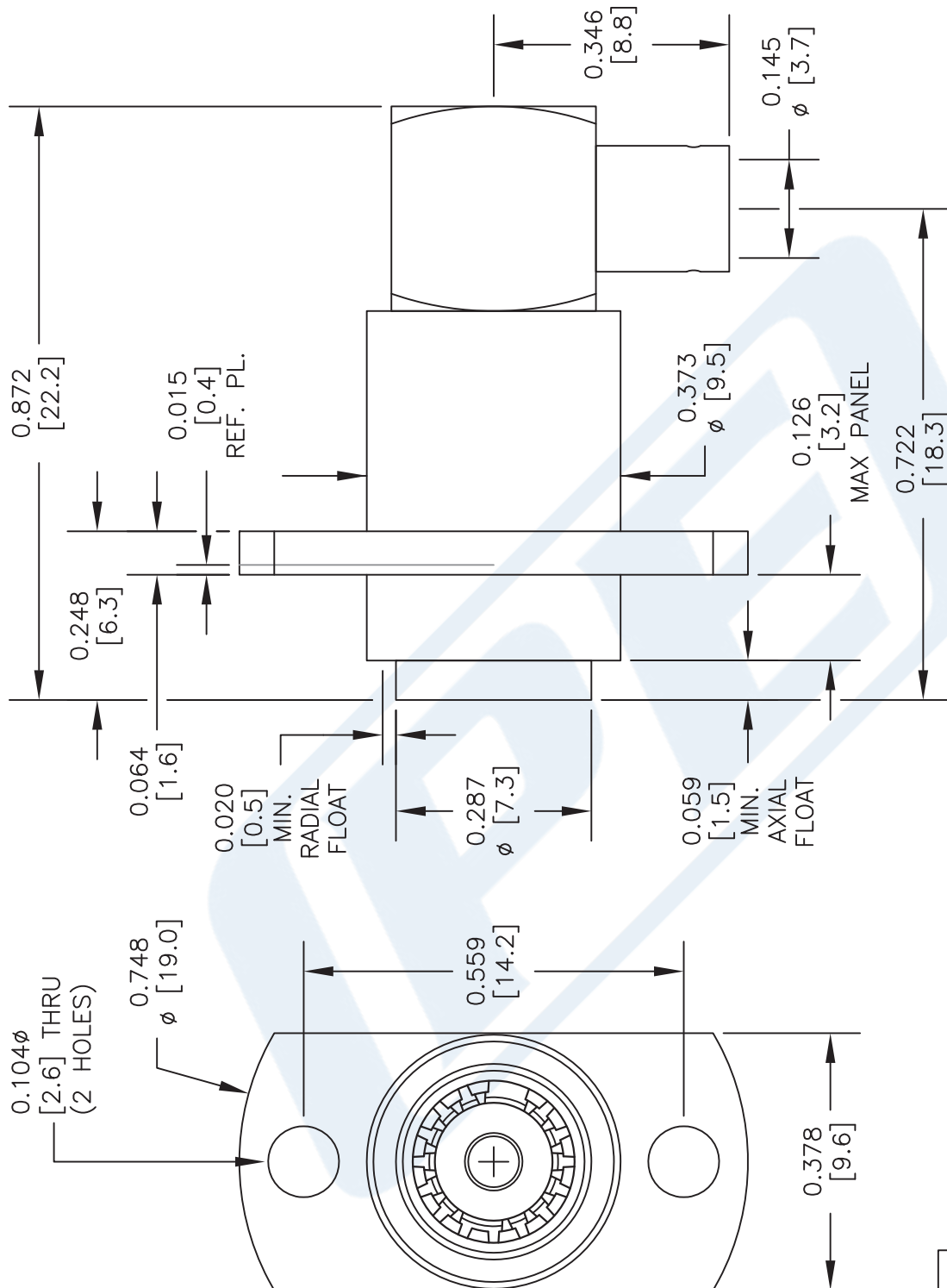
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URL: <https://www.pasternack.com/bma-jack-slide-on-rg402-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe45329-p.aspx>

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# PE45329 CAD Drawing

BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange Mount for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN



## STANDARD TOLERANCES

.X ±0.2  
.XX ±0.1  
.XXX ±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

DWG TITLE

**PE45329**

NOTES:  
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CAGE CODE 53919

CAD FILE 020617

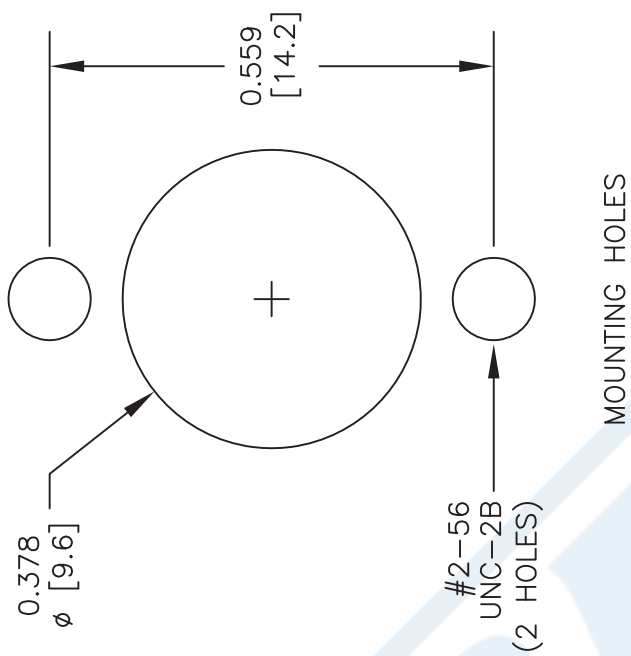
SCALE N/A

SIZE A

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PE45329 CAD Drawing

BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange Mount for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & TIN CENTER CONDUCTOR.
2. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR IS FLUSH WITH INSIDE OF BODY. SOLDER CENTER CONDUCTOR IN PLACE.
3. SOLDER OUTER CONDUCTOR TO BODY. PRESS DOWN CAP.

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

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CAGE CODE 53919

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CAD FILE 020617 SCALE N/A SIZE A 2233

# RG402 Coax Cable with Copper Outer Conductor

## RF Cables Technical Data Sheet

RG402/U

### Configuration

- Semi-Rigid Cable
- M17/130-RG402
- 1 Shield(s)

### Electrical Specifications

| Description                          | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range                      | DC      |         | 34      | GHz   |
| Impedance                            |         | 50      |         | Ohms  |
| Velocity of Propagation              |         | 69.5    |         | %     |
| Dielectric Withstanding Voltage (AC) |         |         | 5,000   | Vrms  |
| Corona Discharge<br>at 60 Hz         |         |         | 1,900   | Vrms  |

### Performance by Frequency Band

| Description           | F1    | F2    | F3    | F4     | F5     | Units    |
|-----------------------|-------|-------|-------|--------|--------|----------|
| Frequency             | 0.5   | 1     | 5     | 10     | 18     | GHz      |
| Attenuation, Typ      | 7.6   | 11.1  | 28.1  | 43.4   | 63.6   | dB/100ft |
|                       | 24.93 | 36.42 | 92.19 | 142.39 | 208.66 | dB/100m  |
| Input Power (CW), Max | 600   | 450   | 180   | 120    | 73     | Watts    |

| Description           | F6     | F7 | F8 | F9 | F10 | Units    |
|-----------------------|--------|----|----|----|-----|----------|
| Frequency             | 26.5   |    |    |    |     | GHz      |
| Attenuation, Typ      | 82.8   |    |    |    |     | dB/100ft |
|                       | 271.65 |    |    |    |     | dB/100m  |
| Input Power (CW), Max | 70     |    |    |    |     | Watts    |

### Mechanical Specifications

Min. Bend Radius (Repeated)

0.25 in [6.35 mm]

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](#)

## RG402 Coax Cable with Copper Outer Conductor

RF Cables  
Technical Data Sheet

RG402/U

**Construction Specifications**

| Description     | Material and Plating                | Diameter         |
|-----------------|-------------------------------------|------------------|
| Inner Conductor | Copper Clad Steel, Silver, 1 Strand | 0.036 in 0.91 mm |
| Conductor Type  | Solid                               |                  |
| Dielectric      | PTFE                                | 0.118 in [3 mm]  |
| Outer Conductor | Copper<br>.141                      |                  |
| Jacket          | Tan                                 |                  |

**Environmental Specifications****Temperature**

Operating Range -55 to +125 deg C

**Compliance Certifications** (see [product page](#) for current document)**Plotted and Other Data**

Notes:

RG402 Coax Cable with 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.

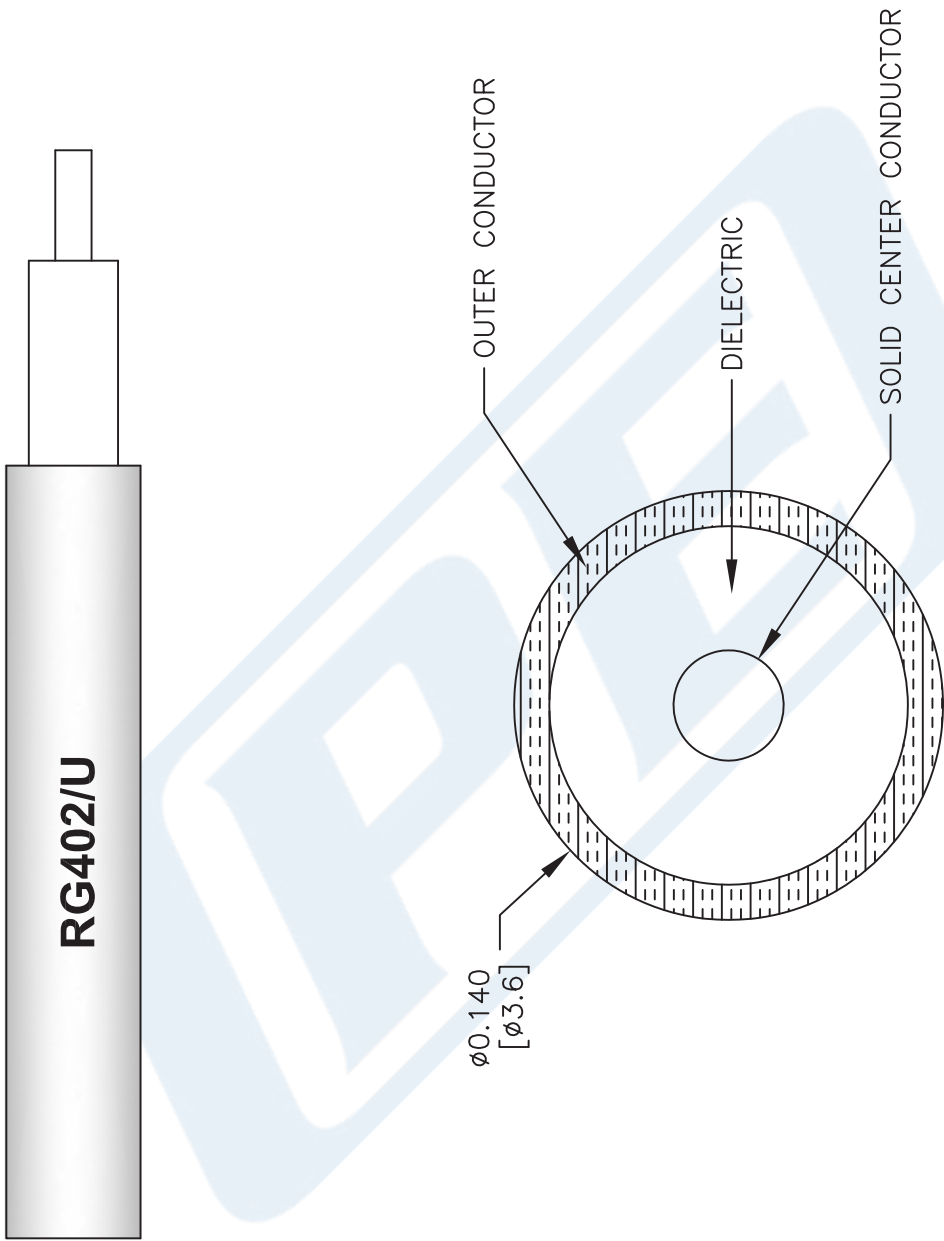
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URL: <https://www.pasternack.com/semirigid-0.141-rg402-50-ohm-coax-cable-copper-rg402-u-p.aspx>

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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

SIZE A

41742

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