



## 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.

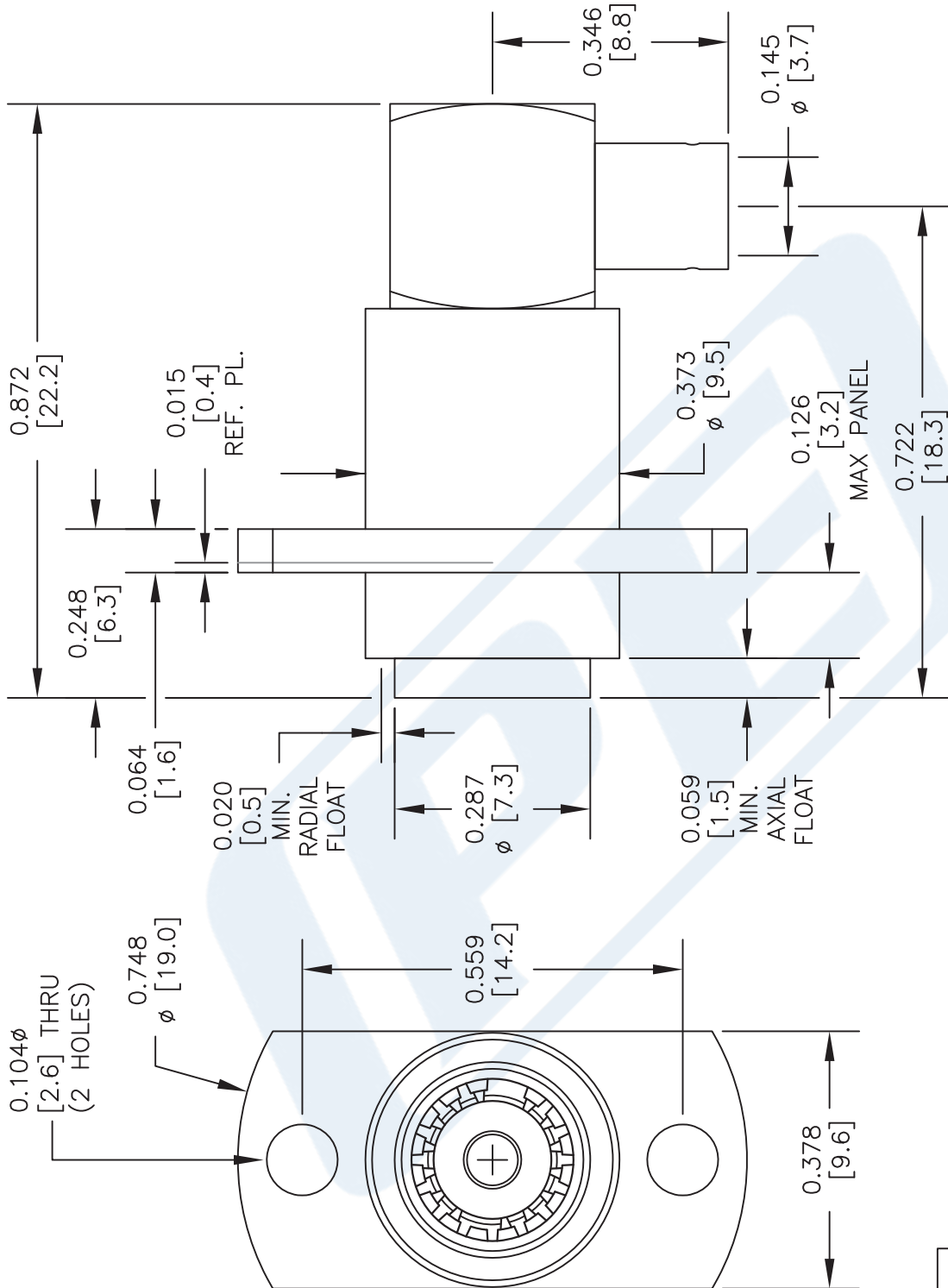
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Jack Right Angle Slide-On Connector Solder Attachment 2 Hole Flange Mount for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN PE45329](#)

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

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# 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:  
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].

**Pasternack Enterprises, Inc.**  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

CAGE CODE 53919

CAD FILE 020617

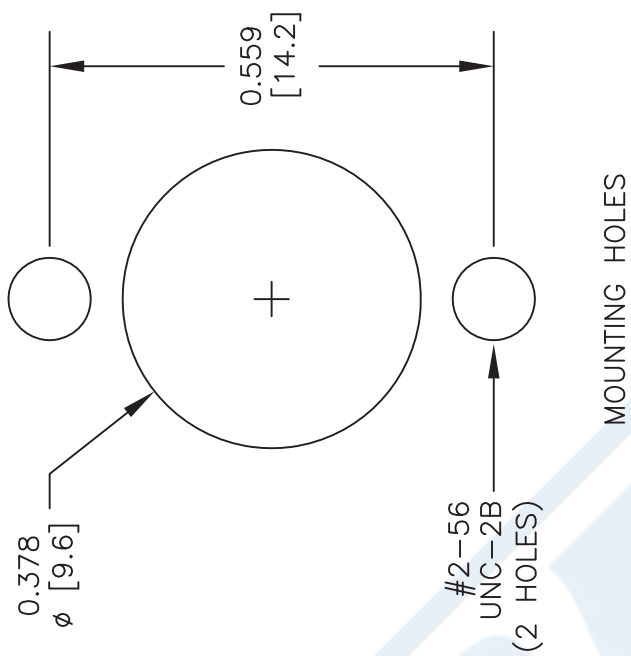
SCALE N/A

SIZE A

2233

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 |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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THE ENGINEER'S RF SOURCE  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

DWG TITLE  
**PE45329**

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  | 020617 | SCALE | N/A  |
| SIZE  | A      |       | 2233 |



## N Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

### RF Connectors Technical Data Sheet

**PE44703**

#### Configuration

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Solder/Solder Attachment

#### Features

- Max. Operating Frequency 11 GHz
- Gold over Nickel Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE44703 type N male right angle connector with solder/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE44703 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      |         | 11      | GHz   |

#### Mechanical Specifications

|             |                     |
|-------------|---------------------|
| <b>Size</b> |                     |
| Length      | 1.136 in [28.85 mm] |
| Width/Dia.  | 0.79 in [20.07 mm]  |
| Weight      | 0.074 lbs [33.57 g] |

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 Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR-402FLJ, PE-SR402TN, RG402 PE44703](#)





## N Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

### RF Connectors Technical Data Sheet

**PE44703**

#### Material Specifications

| Description  | Material | Plating          |
|--------------|----------|------------------|
| Contact      | Brass    | Gold over Nickel |
| Insulation   | PTFE     |                  |
| Body         | Brass    | Nickel           |
| Coupling Nut | Brass    | Nickel           |

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

#### Plotted and Other Data

Notes:

N Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 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.

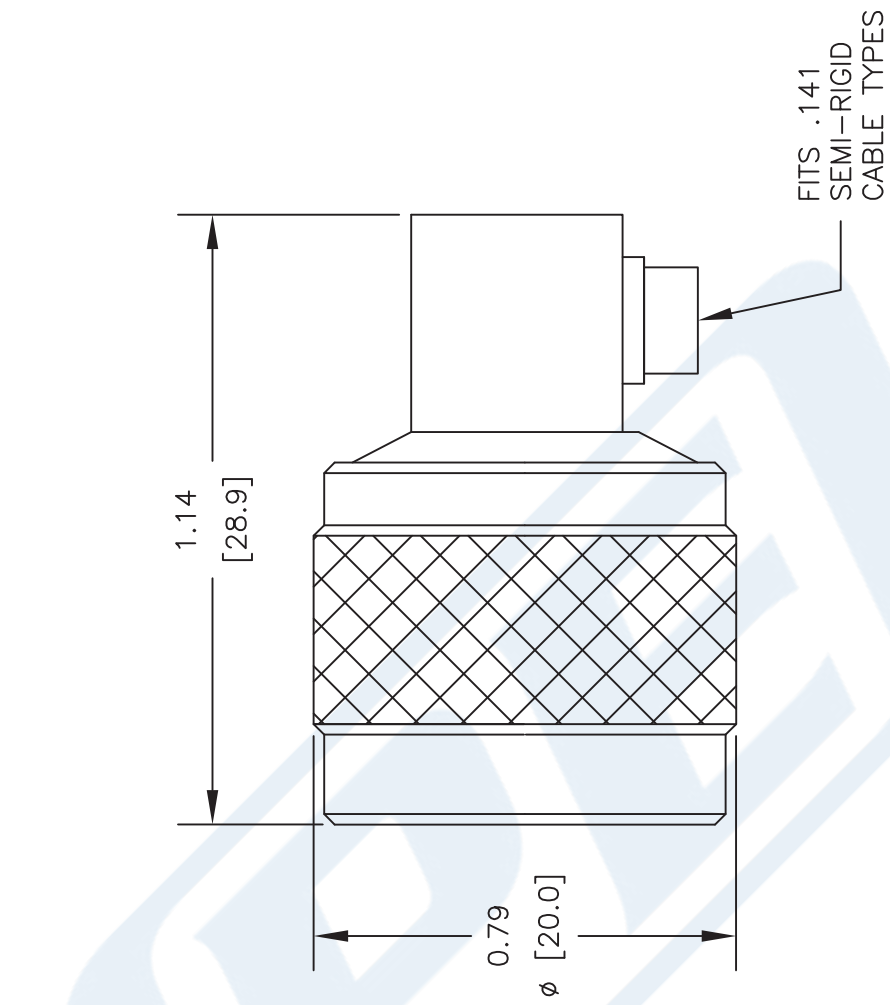
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44703](#)

URL: <https://www.pasternack.com/n-male-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe44703-p.aspx>

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PE44703 CAD Drawing

N Male Right Angle Connector Solder Attachment for PE-SR402AL,  
PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & TIN CENTER CONDUCTOR.
2. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. THE CENTER CONDUCTOR WILL PROTRUDE INTO CONTACT SLOT.
3. SOLDER CENTER CONDUCTOR INTO SLOT AND OUTER CONDUCTOR TO BODY. INSERT INSULATOR AND PRESS CAP INTO CONNECTOR 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  
**PE44703**

**PE PASTERNAK®**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: www.pasternack.com | E-Mail: sales@pasternack.com

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





## Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### RF Cables Technical Data Sheet

PE-SR402FL

#### Configuration

- Formable Cable

#### Features

- Dimensionally the same as standard solid outer conductor semi-rigid coax
- Standard semi-rigid connectors can be used
- Cable is hand formable and does not require special tools to bend
- Connectors are easily soldered to Tin soaked outer conductor
- Cable can be formed more than once without damage to outer conductor
- High RF Shielding >100 dB

#### Description

Formable semi-rigid coax is a hand formable version of standard semi-rigid that does not require complicated and costly pre-formed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. The tin soaked copper braid outer shield provides excellent RF shielding.

#### Electrical Specifications

| Description                   | Minimum | Typical    | Maximum | Units        |
|-------------------------------|---------|------------|---------|--------------|
| Frequency Range               | DC      |            | 20      | GHz          |
| Impedance                     |         | 50         |         | Ohms         |
| Velocity of Propagation       |         | 69.5       |         | %            |
| Shielding Effectiveness       | 110     |            |         | dB           |
| Inner Conductor DC Resistance |         |            | 7.8     | Ohms/1000ft  |
| Outer Conductor DC Resistance |         |            | 5.5     | Ohms/1000ft  |
| Nominal Capacitance           |         | 29 [95.14] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description      | F1    | F2    | F3    | F4     | F5     | Units    |
|------------------|-------|-------|-------|--------|--------|----------|
| Frequency        | 0.5   | 1     | 5     | 10     | 20     | GHz      |
| Attenuation, Typ | 8     | 12    | 29    | 45     | 70     | dB/100ft |
|                  | 26.25 | 39.37 | 95.14 | 147.64 | 229.66 | dB/100m  |

#### Mechanical Specifications

Min. Bend Radius (Repeated) 0.625 in [15.88 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR402FL](#)



## Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### RF Cables Technical Data Sheet

PE-SR402FL

#### Construction Specifications

| Description     | Material and Plating                 | Diameter         |
|-----------------|--------------------------------------|------------------|
| Inner Conductor | Copper, Silver1                      | 0.037 in 0.94 mm |
| Conductor Type  | Solid                                |                  |
| Dielectric      | PTFE                                 | 0.119 in 3.02 mm |
| Outer Conductor | Tinned Copper Braid<br>100% coverage | 0.141 in 3.58 mm |

#### Environmental Specifications

##### Temperature

Operating Range -55 to +125 deg C

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

#### Plotted and Other Data

Notes:

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid 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.

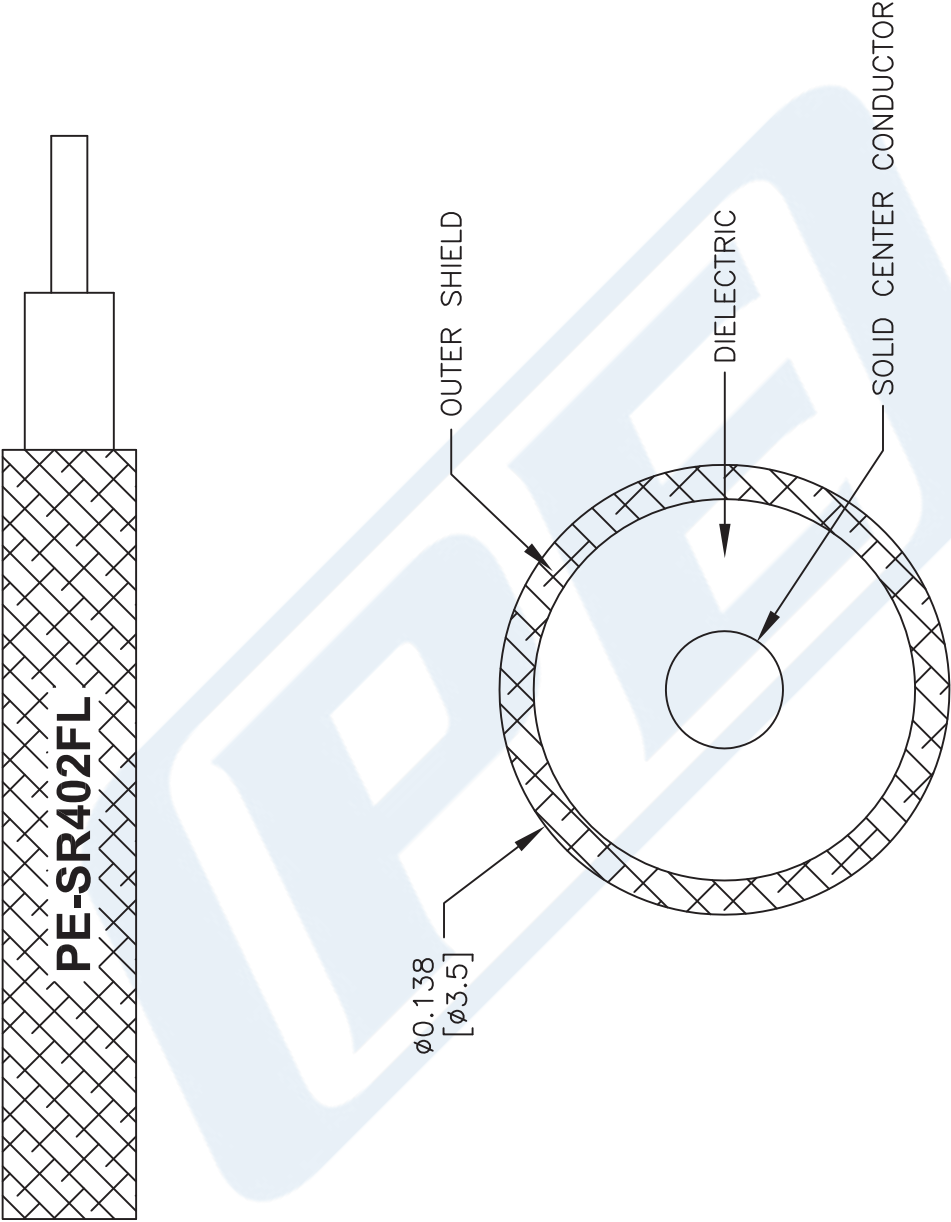
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR402FL](#)

URL: <https://www.pasternack.com/formable-0.141-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr402fl-p.aspx>

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PE-SR402FL CAD Drawing

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



NOTES:  
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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE  
**PESR402FL**

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

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Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)