

SMA Male Right Angle to SMA Female Bulkhead Cable  
6 Inch Length Using PE-SR405FL Coax , LF Solder



**RF Cable Assemblies Technical Data Sheet**

**PE34313LF-6**

**Configuration**

- Connector 1: SMA Male Right Angle
- Connector 2: SMA Female Bulkhead
- Cable Type: PE-SR405FL

**Features**

- Max Frequency 8 GHz
- 69.5% Phase Velocity

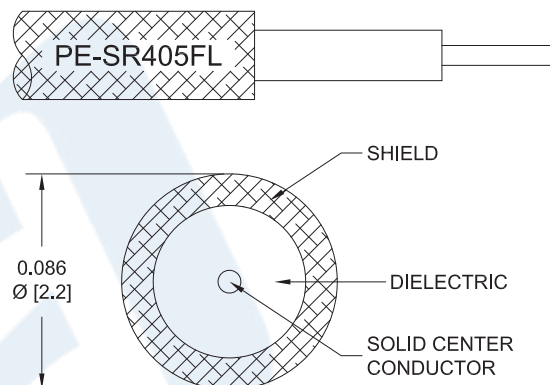
**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE34313LF-6 SMA male right angle to SMA female bulkhead 6 inch cable using PE-SR405FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack SMA to SMA cable assembly has a male to female gender configuration with 50 ohm formable PE-SR405FL coax. The PE34313LF-6 SMA male to SMA female cable assembly operates to 8 GHz. The right angle SMA interface on the PE-SR405FL cable allows for easier connections in tight spaces. Our RF cable assembly with SMA bulkhead interface 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.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to SMA Female Bulkhead Cable 6 Inch Length Using PE-SR405FL Coax , LF Solder PE34313LF-6](#)

## SMA Male Right Angle to SMA Female Bulkhead Cable 6 Inch Length Using PE-SR405FL Coax , LF Solder



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#### Electrical Specifications

| Description             | Minimum | Typical    | Maximum | Units        |
|-------------------------|---------|------------|---------|--------------|
| Frequency Range         | DC      |            | 8       | GHz          |
| VSWR                    |         |            | 1.4:1   |              |
| Velocity of Propagation |         | 69.5       |         | %            |
| Capacitance             |         | 29 [95.14] |         | pF/ft [pF/m] |

#### Specifications by Frequency

| Description           | F1    | F2    | F3    | F4    | F5    | Units |
|-----------------------|-------|-------|-------|-------|-------|-------|
| Frequency             | 0.5   | 1     | 2     | 4     | 8     | GHz   |
| Insertion Loss (Typ.) | 0.375 | 0.412 | 0.453 | 0.533 | 0.653 | dB    |

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

#### Mechanical Specifications

##### Cable Assembly

|         |                     |
|---------|---------------------|
| Length* | 6 in [152.4 mm]     |
| Weight  | 0.027 lbs [12.25 g] |

##### Cable

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | PE-SR405FL                |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Solid                     |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 1                         |
| Shield Layer 1                       | Tinned Copper Braid       |

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**Connectors**

| Description                        | Connector 1           | Connector 2            |
|------------------------------------|-----------------------|------------------------|
| Type                               | SMA Male Right Angle  | SMA Female Bulkhead    |
| Specification                      | MIL-STD-348A          | MIL-STD-348A           |
| Impedance                          | 50 Ohms               | 50 Ohms                |
| Contact Material and Plating       | Brass, Gold           | Beryllium Copper, Gold |
| Contact Plating Specification      | 50μ in. minimum       | 50μ in. minimum        |
| Dielectric Type                    | Teflon                | Teflon                 |
| Body Material and Plating          | Stainless Steel, Gold | Stainless Steel, Gold  |
| Body Plating Specification         | 30μ in. minimum       | 30μ in. minimum        |
| Coupling Nut Material and Plating  | Brass, Nickel         |                        |
| Coupling Nut Plating Specification | 100μ in. minimum      |                        |
| Hex Size                           | 5/16 in               |                        |
| Torque                             | 5 in-lbs [0.57 Nm]    |                        |

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

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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**PE34313LF-6**

**How to Order**

Part Number Configuration:

**PE34313LF**

**- xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE34313LF-12 = 12 inches long cable  
PE34313LF-100cm = 100 cm long cable

SMA Male Right Angle to SMA Female Bulkhead Cable 6 Inch Length Using PE-SR405FL Coax , LF Solder 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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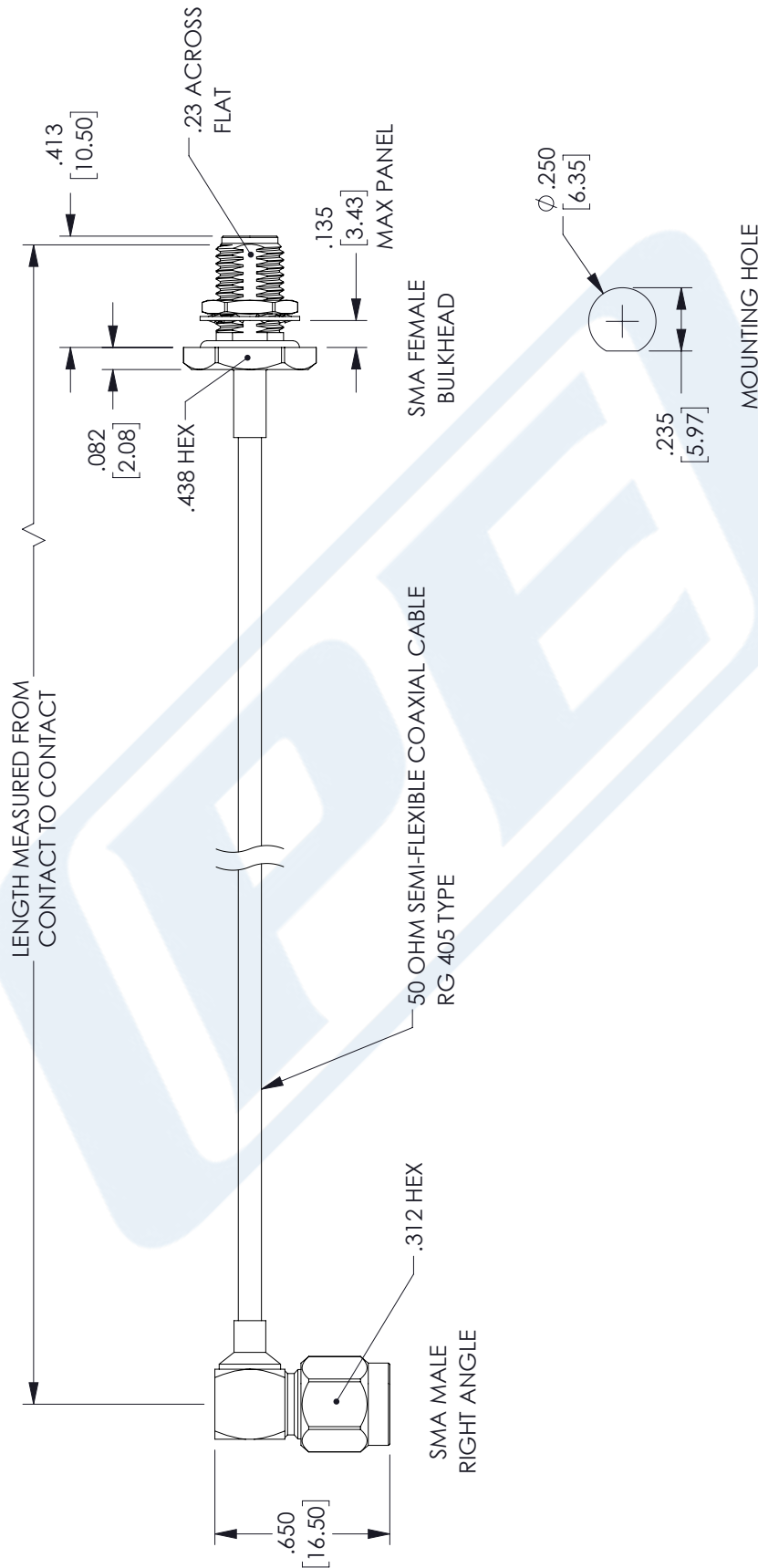
URL: <https://www.pasternack.com/sma-male-sma-female-pe-sr405fl-cable-assembly-pe34313lf-6-p.aspx>

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.

# PE34313LF-6 CAD Drawing

SMA Male Right Angle to SMA Female Bulkhead Cable 6 Inch  
Length Using PE-SR405FL Coax , LF Solder

| REVISIONS |                      |            |          |
|-----------|----------------------|------------|----------|
| REV.      | DESCRIPTION          | DATE       | APPROVED |
| B         | PCR PE34313 20210907 | 11/15/2021 | SRAUTUS  |



|                                                                                                  |           |
|--------------------------------------------------------------------------------------------------|-----------|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS |           |
| TOLERANCES:                                                                                      | FRACTIONS |
| .X = ± .2                                                                                        | [.08]     |
| .XX = ± .02                                                                                      | [.51]     |
| .XXX = ± .005                                                                                    | [.13]     |
| ANGLES ± 1°                                                                                      |           |
| CABLE LENGTH (L) TOLERANCES:                                                                     |           |
| L ≤ 12 [305] = +1 [25] / -0                                                                      |           |
| 12 [305] < L ≤ 60 [1524] = +2 [51] / -0                                                          |           |
| 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0                                                       |           |
| 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0                                                      |           |
| 300 [7620] < L = +5%L / -0                                                                       |           |
| ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY.                                                  |           |

|                                                                                                                                                                                                                                               |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
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| SIZE                                                                                                                                                                                                                                          | CAGE CODE |
| A                                                                                                                                                                                                                                             | 53919     |
| DRAWN BY                                                                                                                                                                                                                                      | DZINN     |
| ITEM NO.                                                                                                                                                                                                                                      | PE34313LF |
| REV                                                                                                                                                                                                                                           | B         |

|                                                                                                                       |        |
|-----------------------------------------------------------------------------------------------------------------------|--------|
| THIRD-ANGLE PROJECTION                                                                                                |        |
|                                                                                                                       |        |
| THE INFORMATION AND<br>DESIGN IN THIS DOCUMENT<br>IS THE PROPERTY OF<br>PASTERNAK CORPORATION<br>ALL RIGHTS RESERVED. |        |
| SHEET                                                                                                                 | 1 OF 1 |
| SCALE                                                                                                                 | N/A    |

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