



## SMA Male Right Angle to SMA Female Bulkhead Cable Using PE-SR401AL Coax , LF Solder

### RF Cable Assemblies Technical Data Sheet

**PE34317LF**

#### Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: SMA Female Bulkhead
- Cable Type: PE-SR401AL-STRAIGHT

#### Features

- Max Frequency 12.4 GHz
- 69.5% Phase Velocity

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE34317LF SMA male right angle to SMA female bulkhead cable using PE-SR401AL coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack SMA to SMA cable assembly has a male to female gender configuration with 50 ohm semi-rigid PE-SR401AL-STRAIGHT coax. The PE34317LF SMA male to SMA female cable assembly operates to 12.4 GHz. The right angle SMA interface on the PE-SR401AL-STRAIGHT 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 Using PE-SR401AL Coax , LF Solder PE34317LF](#)



SMA Male Right Angle to SMA Female Bulkhead  
Cable Using PE-SR401AL Coax , LF Solder

**RF Cable Assemblies Technical Data Sheet**

**PE34317LF**

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
Velocity of Propagation		69.5		%
Capacitance		29.6 [97.11]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			7,500	Vrms

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	12.4	GHz
Insertion Loss (Typ.)	0.024	0.039	0.054	0.059	0.38	dB
	0.08	0.13	0.18	0.19	1.25	
Power Handling (Max.)	962	661	265	174	100	W

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

**Mechanical Specifications**

**Cable Assembly**

Weight 0.1 lbs [45.36 g]

**Cable**

Cable Type PE-SR401AL-STRAIGHT  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper, Silver  
 Dielectric Type PTFE  
 Number of Shields 1  
 Shield Layer 1 Tinned Aluminum  
 Jacket Diameter 0.25 in [6.35 mm]  
 One Time Minimum Bend Radius 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: [SMA Male Right Angle to SMA Female Bulkhead Cable Using PE-SR401AL Coax , LF Solder PE34317LF](#)



SMA Male Right Angle to SMA Female Bulkhead  
Cable Using PE-SR401AL Coax , LF Solder

**RF Cable Assemblies Technical Data Sheet**

**PE34317LF**

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	SMA Female Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Gold
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Gold	Brass, Gold
Coupling Nut Material and Plating	Brass, Gold	
Hex Size	5/16 in	
Torque	5 in-lbs [0.57 Nm]	

Mechanical Specification Notes:

Cable assemblies that are 60 inches or less use straight coax, greater than 60 inches use coiled coax

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

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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 Using PE-SR401AL Coax , LF Solder PE34317LF](#)



## SMA Male Right Angle to SMA Female Bulkhead Cable Using PE-SR401AL Coax , LF Solder

### RF Cable Assemblies Technical Data Sheet

**PE34317LF**

#### How to Order

Part Number Configuration:

**PE34317LF - xx uu**

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

Example: PE34317LF-12 = 12 inches long cable  
PE34317LF-100cm = 100 cm long cable

SMA Male Right Angle to SMA Female Bulkhead Cable Using PE-SR401AL 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.

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 Using PE-SR401AL Coax , LF Solder PE34317LF](#)

URL: <https://www.pasternack.com/sma-male-sma-female-pe-sr401al-cable-assembly-pe34317lf-p.aspx>

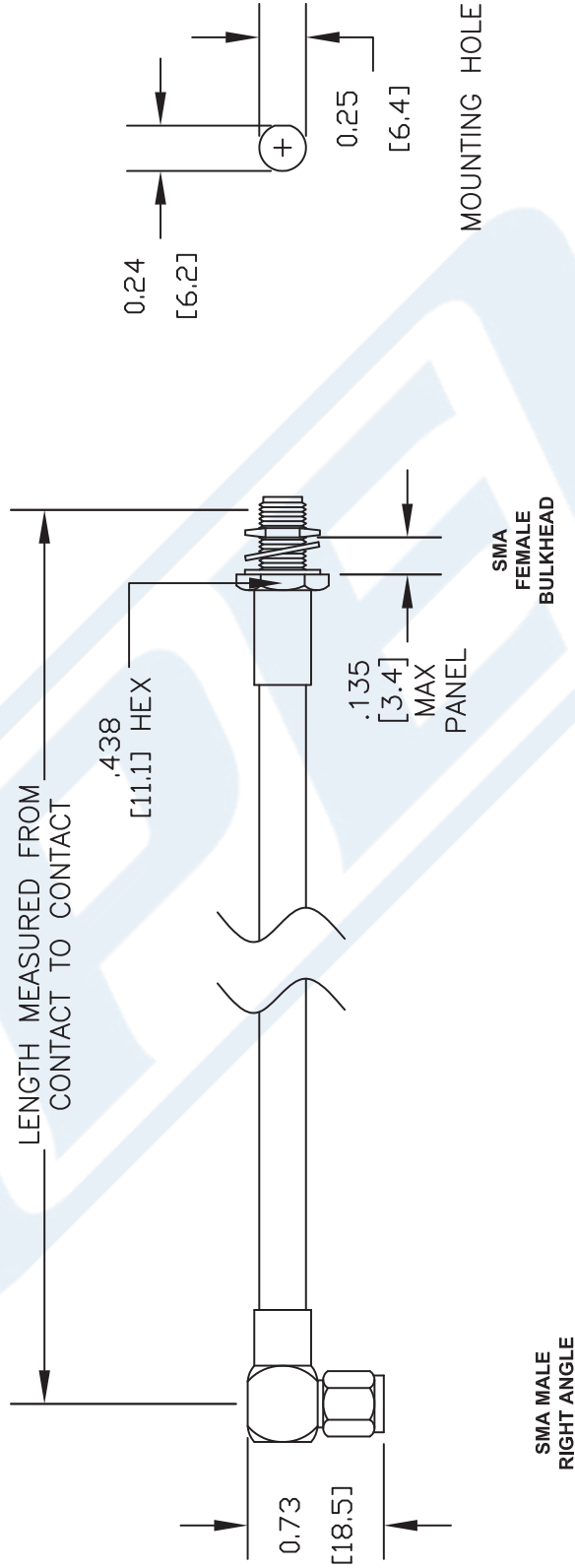
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

# PE34317LF CAD Drawing

## SMA Male Right Angle to SMA Female Bulkhead Cable

### Using PE-SR401AL Coax , LF Solder

Standard Lengths	
-12	12"
-24	24"
-36	36"
-48	48"
-60	60"
-XXX	Custom Length 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].  
 4. LENGTH TOLERANCE IS  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

DWG TITLE  
**PE34317-XX**

**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 042109	SCALE N/A	SIZE A	127
--------	----------------	-----------------	-----------	--------	-----