



## SMP Female Right Angle to SMA Female Bulkhead Cable 48 Inch Length Using PE-SR405FLJ Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

PE3W06520/HS-48

#### Configuration

- Connector 1: SMP Female Right Angle
- Connector 2: SMA Female Bulkhead
- Cable Type: PE-SR405FLJ

#### Features

- Max Frequency 3 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W06520/HS-48 SMP female right angle to SMA female bulkhead 48 inch cable using PE-SR405FLJ 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 SMP to SMA cable assembly has a female to female gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3W06520/HS-48 SMP female to SMA female cable assembly operates to 3 GHz. The right angle SMP interface on the PE-SR405FLJ 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: [SMP Female Right Angle to SMA Female Bulkhead Cable 48 Inch Length Using PE-SR-405FLJ Coax with HeatShrink PE3W06520/HS-48](#)



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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ohms/1000ft [Ohms/Km]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	3		GHz
Insertion Loss (Max.)	0.9	1.2	1.69	1.85		dB

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector loss.

#### Mechanical Specifications

##### Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.433 in [11 mm]

##### Cable

Cable Type	PE-SR405FLJ
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Tinned Copper Composite Braid
Jacket Material	FEP, Black
Jacket Diameter	0.105 in [2.67 mm]

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One Time Minimum Bend Radius  
Repeated Minimum Bend Radius

0.5 in [12.7 mm]  
0.787 in [19.99 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMP Female Right Angle	SMA Female Bulkhead
Specification	DESC 94008	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold over Nickel
Contact Plating Specification	MIL-G-45204	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Beryllium Copper, Gold	Brass, Gold over Nickel
Body Plating Specification	MIL-G-45204	

**Mechanical Specification Notes:**

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

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

**Plotted and Other Data**

Notes:

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## SMP Female Right Angle to SMA Female Bulkhead Cable 48 Inch Length Using PE-SR405FLJ Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

PE3W06520/HS-48

#### How to Order

Part Number Configuration:

**PE3W06520/HS**

**- xx**

**uu**

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

Example: PE3W06520/HS-12 = 12 inches long cable  
PE3W06520/HS-100cm = 100 cm long cable

SMP Female Right Angle to SMA Female Bulkhead Cable 48 Inch Length Using PE-SR405FLJ Coax with HeatShrink 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: [SMP Female Right Angle to SMA Female Bulkhead Cable 48 Inch Length Using PE-SR405FLJ Coax with HeatShrink PE3W06520/HS-48](https://www.pasternack.com/smp-female-sma-female-pe-sr405flj-cable-assembly-pe3w06520-hs-48-p.aspx)

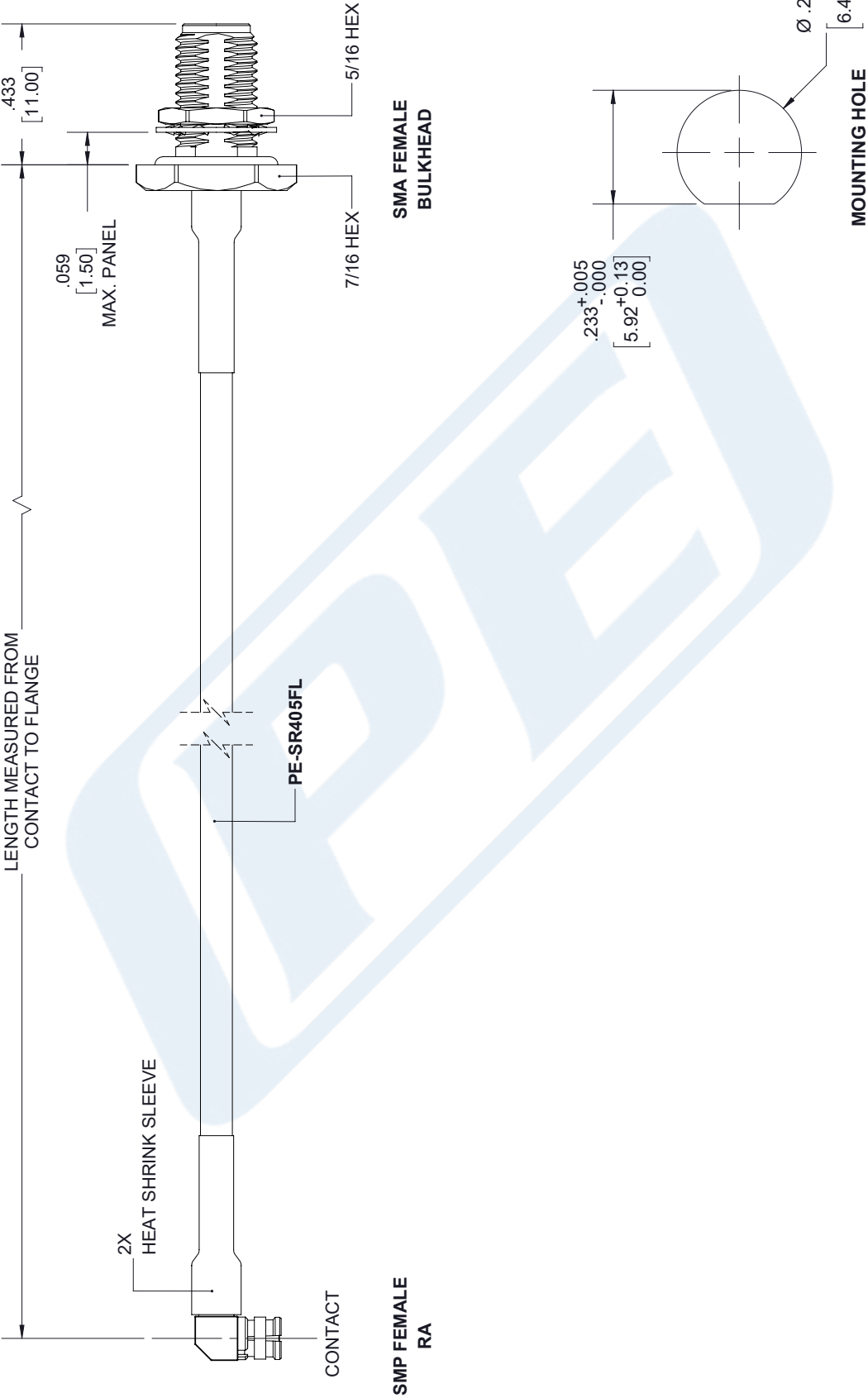
URL: <https://www.pasternack.com/smp-female-sma-female-pe-sr405flj-cable-assembly-pe3w06520-hs-48-p.aspx>

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# PE3W06520/HS-48 CAD Drawing

SMP Female Right Angle to SMA Female Bulkhead Cable 48 Inch  
Length Using PE-SR405FLJ Coax with HeatShrink

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/23/19	SELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
.XX±.01 [ .25]	
.XXX±.005 [ .13]	ANGLES ± 1°
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

<b>PE PASTERNAK</b> an INFINITI brand	
Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920   1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com   e-mail: sales@pasternack.com	
SIZE	CAGE
A	53919
DRAWN BY	K.DANG
PART NUMBER	PE3W06520/HS
REV	A

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SHEET	1 OF 1
SCALE	N/A

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