



## SMP Female Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax

### RF Cable Assemblies Technical Data Sheet

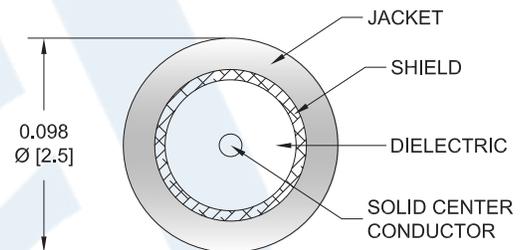
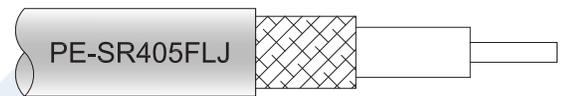
**PE3W07232**

#### Configuration

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

#### Features

- Max Frequency 18 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W07232 SMP female right angle to SMA female bulkhead 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 PE3W07232 SMP female to SMA female cable assembly operates to 18 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 Using PE-SR405FLJ Coax PE3W07232](#)



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**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.4:1	
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]		$\Omega$ /1000ft [ $\Omega$ /Km]
DC Resistance Outer Conductor		10.2 [33.46]		$\Omega$ /1000ft [ $\Omega$ /Km]

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.225	0.306	0.508	0.759	1.122	dB/ft
	0.74	1	1.67	2.49	3.68	dB/m

**Electrical Specification Notes:**

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB for the SMP female connector 0.6 dB for the SMA female connector.

**Mechanical Specifications**

**Cable Assembly**

Weight 0.027 lbs [12.25 g]

**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]

One Time Minimum Bend Radius 0.5 in [12.7 mm]  
 Repeated Minimum Bend Radius 0.787 in [19.99 mm]

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**Connectors**

Description	Connector 1	Connector 2
Type	SMP Female Right Angle	SMA Female Bulkhead
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold over Nickel
Contact Plating Specification	MIL-DTL-45204	
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Outer Conductor Plating Specification	MIL-DTL-45204	
Body Material and Plating	Beryllium Copper, Gold	Brass, Gold over Nickel
Body Plating Specification	MIL-DTL-45204	

**Environmental Specifications**

**Temperature**

Operating Range -55 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: [SMP Female Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax PE3W07232](#)



SMP Female Right Angle to SMA Female  
Bulkhead Cable Using PE-SR405FLJ Coax

**RF Cable Assemblies Technical Data Sheet**

**PE3W07232**

**How to Order**

Part Number Configuration:

**PE3W07232**

- **xx**

**uu**

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

Example: PE3W07232-12 = 12 inches long cable  
PE3W07232-100cm = 100 cm long cable

SMP Female Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax 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.

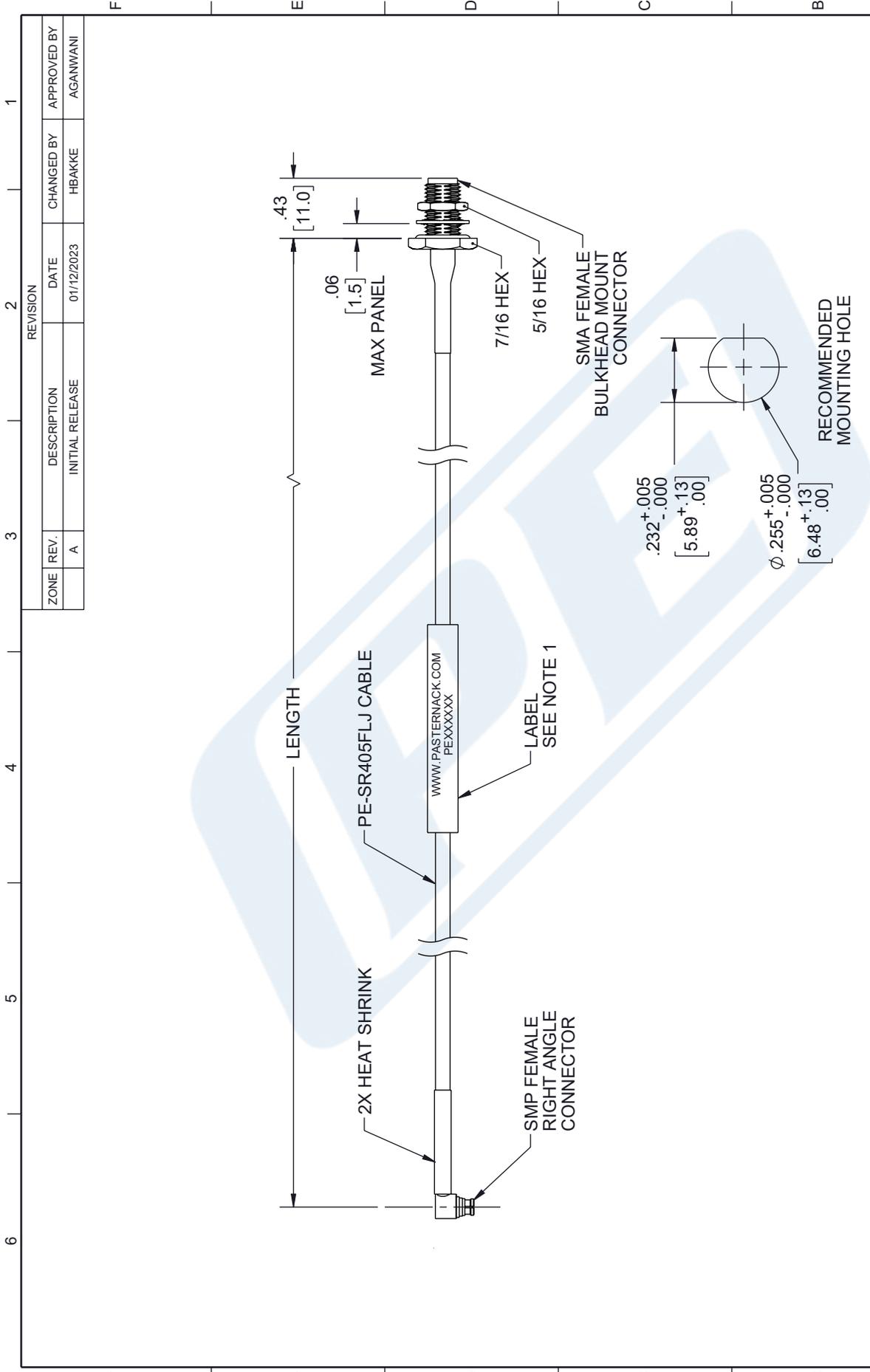
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Female Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax PE3W07232](https://www.pasternack.com/smp-female-right-angle-to-sma-female-bulkhead-cable-using-pe-sr405flj-pe3w07232-p.aspx)

URL: <https://www.pasternack.com/smp-female-right-angle-to-sma-female-bulkhead-cable-using-pe-sr405flj-pe3w07232-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.

# PE3W07232 CAD Drawing

SMP Female Right Angle to SMA Female Bulkhead Cable Using PE-SR405FLJ Coax



<b>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</b> TOLERANCES: X = ±.2 [5]    FRACTIONS ± 1/32 .XX = ±.02 [5]    ANGLES ± 1° .XXX = ±.005 [.13] CABLE LENGTH TOLERANCES: >12 [305] = +1 [25] / -0 >60 [1524] ≤ 60 [1524] = -2 [51] / -0 >120 [3048] ≤ 120 [3048] = +4 [102] / -0 >240 [6096] ≤ 240 [6096] = +6 [152] / -0 >300 [7620] = +5% / -0 ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE		<b>PE PASTERNAK</b> an INFINITT brand Website: <a href="http://www.Pastermack.com">www.Pastermack.com</a> Phone: 1.866.727.8376   1.949.261.1920		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE SHEET 1 OF 1
DESCRIPTION <b>SMP FEMALE RIGHT ANGLE TO SMA FEMALE BULKHEAD CABLE USING PE-SR405FLJ COAX</b>				
ZONE REV. A DESCRIPTION INITIAL RELEASE DATE 01/12/2023 CHANGED BY HBAKKE APPROVED BY AGANWANI	REVISION 1 DESCRIPTION 2 HBAKKE 3 HBAKKE 4 HBAKKE 5 HBAKKE 6 HBAKKE			ITEM NO. 53919 DRAWN BY HBAKKE CAGE CODE 53919 PE3W07232

- NOTES:
- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
  - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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