



## SMA Male to SMA Male Right Angle Cable Using PE-SR405FLJ Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W02993**

#### Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: PE-SR405FLJ

#### Features

- Max Frequency 10 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W02993 SMA male to SMA male right angle 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 SMA to SMA cable assembly has a male to male gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3W02993 SMA male to SMA male cable assembly operates to 10 GHz. The right angle SMA interface on the PE-SR405FLJ cable allows for easier connections in tight spaces.

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 to SMA Male Right Angle Cable Using PE-SR405FLJ Coax PE3W02993](#)



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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	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]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	10	GHz
Insertion Loss (Max.)	0.15	0.23	0.35	0.55	0.82	dB/ft
	0.49	0.75	1.15	1.8	2.69	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of connectors. Insertion Loss is estimated as 0.3dB of connector loss.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.035 lbs [15.88 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 Braid  
Jacket Material FEP, Black  
Jacket Diameter 0.098 in [2.49 mm]

One Time Minimum Bend Radius 0.236 in [5.99 mm]  
Repeated Minimum Bend Radius 0.787 in [19.99 mm]

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#### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold over Nickel
Contact Plating Specification	50μ in. minimum	0.2 μin minimum
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Gold	Brass, Gold over Nickel
Body Plating Specification	3μ in. minimum	0.1 μin minimum
Coupling Nut Material and Plating	Brass, Gold	Passivated Stainless Steel
Coupling Nut Plating Specification	3μ in. minimum	
Hex Size	5/16 Inch	5/16 inch
Torque	3 in-lbs [0.34 Nm]	8 in-lbs [0.9 Nm]

**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: [SMA Male to SMA Male Right Angle Cable Using PE-SR405FLJ Coax PE3W02993](#)



## SMA Male to SMA Male Right Angle Cable Using PE-SR405FLJ Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W02993**

#### How to Order

Part Number Configuration:

**PE3W02993**

- **xx**

**uu**

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

Example: PE3W02993-12 = 12 inches long cable  
PE3W02993-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle 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.

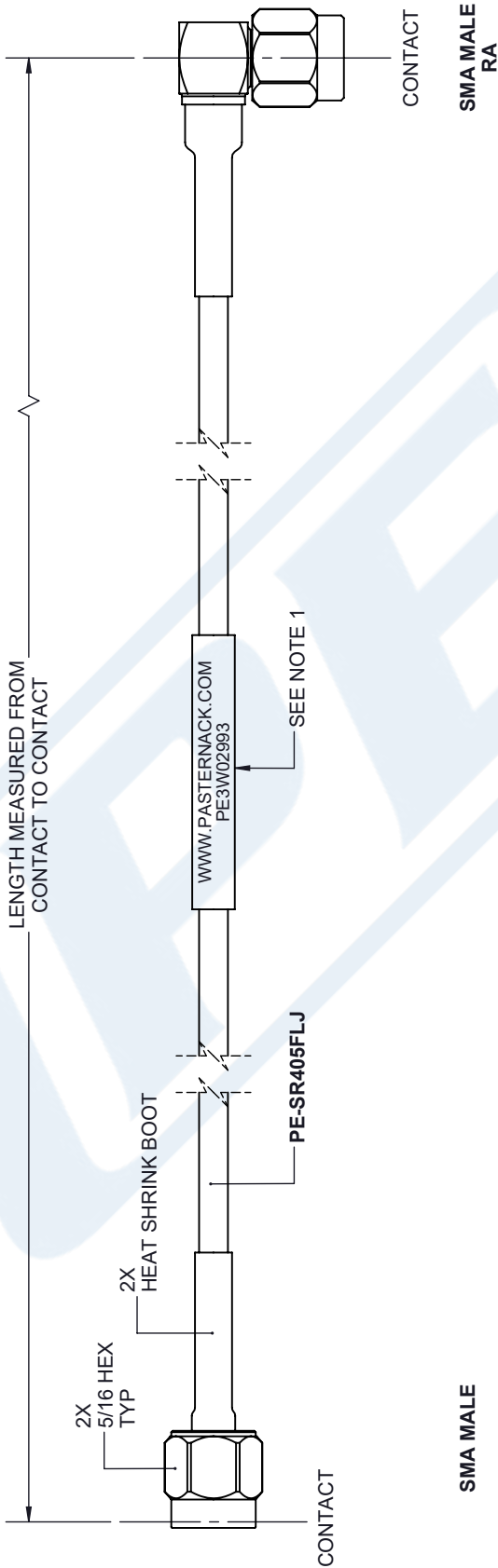
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Right Angle Cable Using PE-SR405FLJ Coax PE3W02993](https://www.pasternack.com/sma-male-sma-male-pe-sr405flj-cable-assembly-pe3w02993-p.aspx)

URL: <https://www.pasternack.com/sma-male-sma-male-pe-sr405flj-cable-assembly-pe3w02993-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.

PE3W02993 CAD Drawing  
SMA Male to SMA Male Right Angle Cable Using PE-SR405FLJ Coax

REVISIONS		
REV.	DESCRIPTION	DATE
B	PE3W02993 2022111	11/01/2022
		A. GANWANI



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		THIRD-ANGLE PROJECTION	
TOLERANCES:			
X = ± .2	[ .008 ]	THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.	
.XX = ± .02	[ .51 ]	SHEET 1 OF 1	
.XXX = ± .005	[ .13 ]	SCALE N/A	
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% / -0			
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		REV B	
SIZE A		PE3W02993	
CAGE CODE 53919		ITEM NO.	
DRAWN BY K.DANG			
PASTERNAK® an INFINITE 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 Website: www.pasternack.com E-mail: sales@pasternack.com			

NOTES:

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END 6.0" FROM THE END OF THE CONNECTOR.

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