

## SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink



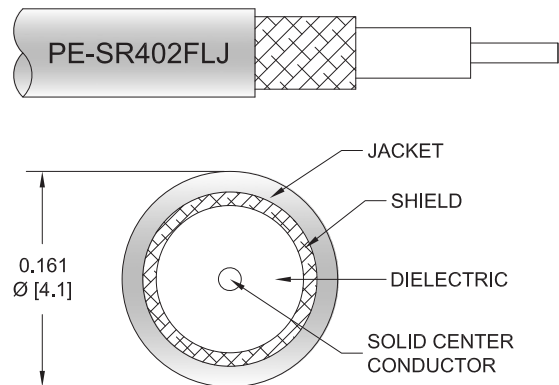
### PE39439/HS

#### Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: PE-SR402FLJ
- Coax Flex Type: Formable

#### Features

- Max Frequency 10 GHz
- Shielding Effectivity > 100 dB
- 70% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE39439/HS SMA male to SMA male right angle cable using PE-SR402FLJ 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-SR402FLJ coax. The PE39439/HS SMA male to SMA male cable assembly operates to 10 GHz. The right angle SMA interface on the PE-SR402FLJ 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.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
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

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**PE39439/HS**

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency	500	1000	2500	5000	10000	
PE39439/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.082	0.125	0.198	0.32	0.482	dB/ft	
			0.27	0.42	0.65	1.05	1.59	dB/m	
PE39439/HS-6	6 In	Insertion Loss (Typ.)	0.35	0.37	0.4	0.46	0.55	dB	0.025
PE39439/HS-9	9 In	Insertion Loss (Typ.)	0.37	0.4	0.45	0.54	0.67	dB	0.032
PE39439/HS-12	12 In	Insertion Loss (Typ.)	0.39	0.43	0.5	0.62	0.79	dB	0.039
PE39439/HS-18	18 In	Insertion Loss (Typ.)	0.43	0.49	0.6	0.78	1.03	dB	0.054
PE39439/HS-24	24 In	Insertion Loss (Typ.)	0.47	0.55	0.7	0.94	1.27	dB	0.069

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.1 dB  
 Loss due to Connector 2: 0.2 dB  
 Base Weight: 0.039 pounds  
 Additional Weight per Inch: 0.00242 pounds

**Mechanical Specifications**

**Cable Assembly**

Width/Diameter 0.5 in [12.7 mm]  
 Weight 0.042 lbs [19.05 g]

**Cable**

Cable Type PE-SR402FLJ  
 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  
 Jacket Material FEP, Black  
 Jacket Diameter 0.161 in [4.09 mm]  
 One Time Minimum Bend Radius 0.315 in [8 mm]  
 Repeated Minimum Bend Radius 1.575 in [40.01 mm]

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**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male Right Angle
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating		Brass, Gold over Nickel
Dielectric Type		PTFE
Body Material and Plating	Brass, Gold	Brass, Gold over Nickel
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 in.	5/16 in.
Torque	8 in-lbs 0.9 Nm	8 in-lbs 0.9 Nm

**Environmental Specifications**

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

**Plotted and Other Data**

Notes:

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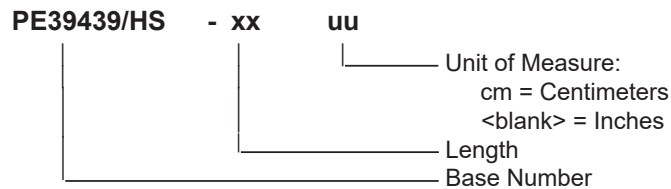


### PE39439/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE39439/HS-12 = 12 inches long cable  
PE39439/HS-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ 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.

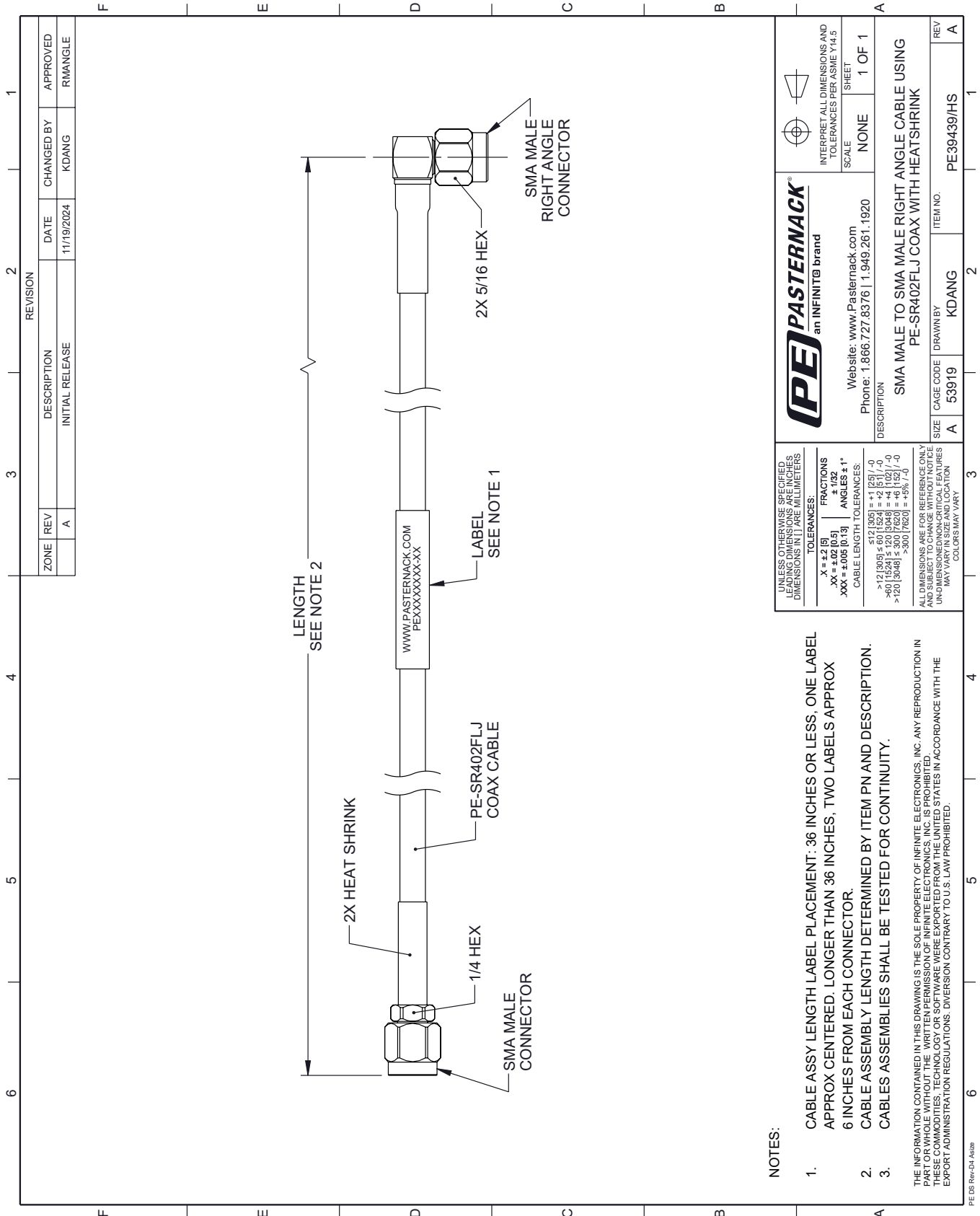
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink PE39439/HS](#)

URL: <https://www.pasternack.com/sma-male-to-sma-male-cable-using-pe-sr402flj-with-heatshrink-pe39439-hs-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE39439/HS CAD Drawing

SMA Male to SMA Male Right Angle Cable Using PE-SR402FLJ Coax with HeatShrink



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	11/19/2024	KDANG	RMANGLE

**UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS IN MILLIMETERS**

**TOLERANCES:**  
 .X = ±.2 [5]  
 .XX = ±.02 [0.5]  
 .XXX = ±.005 [0.13]

**FRACTIONS**  
 ± 1/32  
 ANGLES ± 1°

**CABLE LENGTH TOLERANCES:**  
 <12 [305] ±.60 [1524] = ±.2 [5.1] / -0  
 >12 [305] ±.60 [1524] = ±.2 [5.1] / -0  
 >40 [1024] ±.120 [3048] = ±.4 [1027] / -0  
 >120 [3048] ±.300 [7620] = ±.93 [23.7] / -0

**ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.**

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 an INFINITB brand

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

DESCRIPTION  
**SMA MALE TO SMA MALE RIGHT ANGLE CABLE USING PE-SR402FLJ COAX WITH HEATSHRINK**

SIZE A CAGE CODE 53919 DRAWN BY KDANG ITEM NO. PE39439/HS

REV A

- NOTES:**
- CABLE ASSY LENGTH LABEL PLACEMENT: .36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN .36 INCHES, TWO LABELS APPROX .6 INCHES FROM EACH CONNECTOR.
  - CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
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