



## SMA Male to SMA Male Right Angle Cable Using PE-SR402AL Coax

### TECHNICAL DATA SHEET

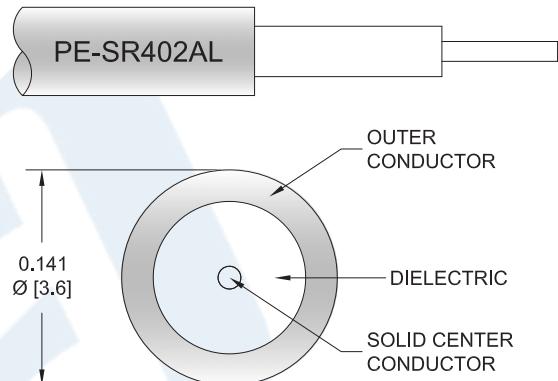
**PE3C2606**

#### Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: PE-SR402AL
- Coax Flex Type: Semi-Rigid

#### Features

- Max Frequency 12.4 GHz



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C2606 SMA male to SMA male right angle cable using PE-SR402AL 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 male gender configuration with 50 ohm semi-rigid PE-SR402AL coax. The PE3C2606 SMA male to SMA male cable assembly operates to 12.4 GHz. The right angle SMA interface on the PE-SR402AL 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-SR402AL Coax PE3C2606](#)



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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz

#### Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	1000	2000	4000	8000	##### MHz		
PE3C2606	Custom Lengths Available	Insertion Loss (Typ.)	0.13	0.16	0.24	0.38	0.52	dB/ft	
			0.43	0.53	0.79	1.25	1.71	dB/m	
PE3C2606-6	6 inch	Insertion Loss (Typ.)	0.37	0.38	0.42	0.49	0.56	dB	0.03
PE3C2606-12	12 inch	Insertion Loss (Typ.)	0.43	0.46	0.54	0.68	0.82	dB	0.038
PE3C2606-24	24 inch	Insertion Loss (Typ.)	0.56	0.62	0.78	1.06	1.34	dB	0.056
PE3C2606-36	36 inch	Insertion Loss (Typ.)	0.69	0.78	1.02	1.44	1.86	dB	0.073
PE3C2606-48	48 inch	Insertion Loss (Typ.)	0.82	0.94	1.26	1.82	2.38	dB	0.09

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: 0.038 pounds

Additional Weight per Inch: 0.00144 pounds

#### 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 0.038 lbs [17.24 g]

##### Cable

Cable Type PE-SR402AL

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 Aluminum

Jacket Diameter 0.141 in [3.58 mm]

One Time Minimum Bend Radius 0.1 in [2.54 mm]

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#### Connectors

Description	Connector 1	Connector 2
Type	SMA Male Threaded	SMA Male Right Angle Threaded
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating		Brass, Gold
Contact Plating Specification		50 $\mu$ in. minimum
Dielectric Type		Teflon
Body Material and Plating	Brass, Gold	Stainless Steel, Gold
Body Plating Specification		30 $\mu$ in. minimum
Coupling Nut Material and Plating	Passivated Stainless Steel	Brass, Nickel
Coupling Nut Plating Specification		100 $\mu$ in. minimum
Hex Size	5/16 in.	5/16 in
Torque	8 in-lbs [0.9 Nm]	5 in-lbs [0.57 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-SR402AL Coax PE3C2606](#)



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**PE3C2606**

#### How to Order

Part Number Configuration:

**PE3C2606**- **xx****uu**

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

Example: PE3C2606-12 = 12 inches long cable  
PE3C2606-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Cable Using PE-SR402AL 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-SR402AL Coax PE3C2606](#)

URL: <https://www.pasternack.com/sma-male-to-sma-male-cable-using-pe-sr402al-pe3c2606-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.

