



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

TECHNICAL DATA SHEET

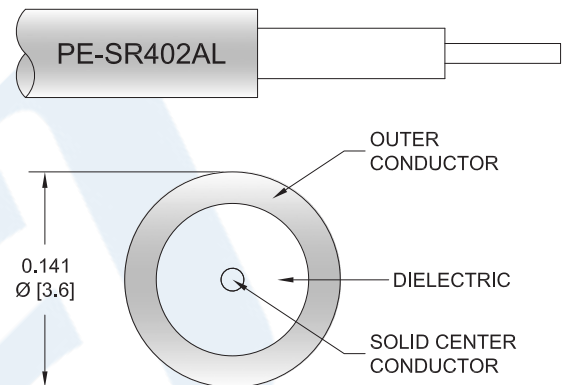
PE3C2606

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](#)



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

TECHNICAL DATA SHEET

PE3C2606

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 0.43	0.16 0.53	0.24 0.79	0.38 1.25	0.52 1.71	dB/ft 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]

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](#)



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

TECHNICAL DATA SHEET

PE3C2606

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		50μ in. minimum
Dielectric Type		Teflon
Body Material and Plating	Brass, Gold	Stainless Steel, Gold
Body Plating Specification		30μ in. minimum
Coupling Nut Material and Plating	Passivated Stainless Steel	Brass, Nickel
Coupling Nut Plating Specification		100μ 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](#)



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

TECHNICAL DATA SHEET

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](#)

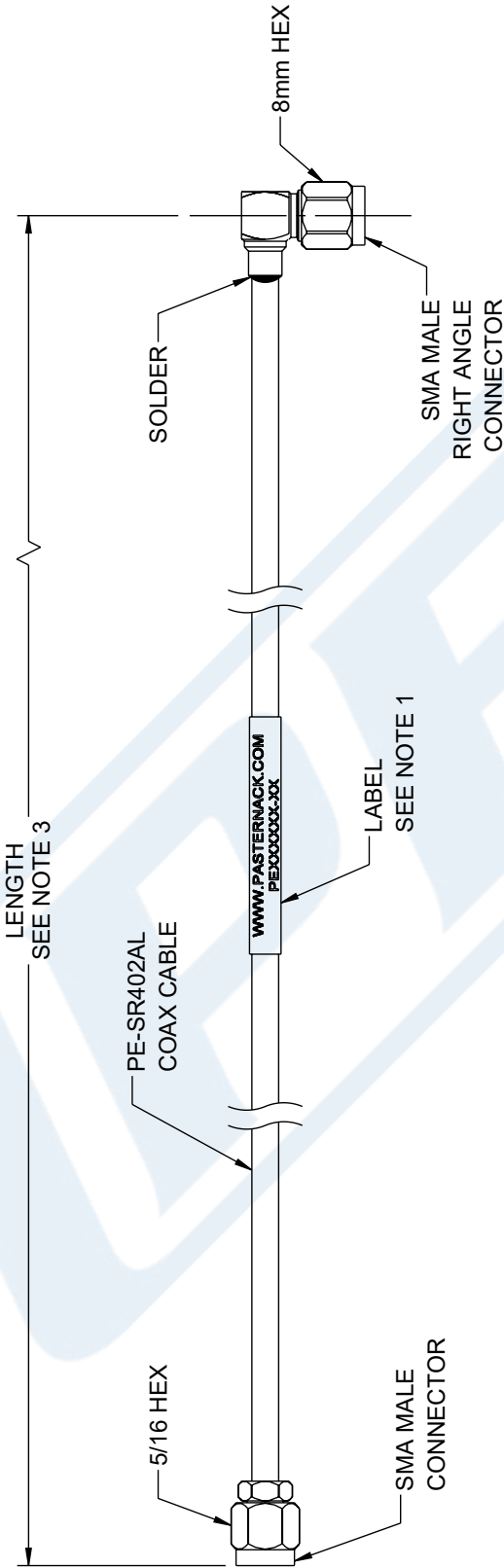
URL: <https://www.pasternack.com/sma-male-to-sma-male-cable-using-pe-sr402al-pe3c2606-p.aspx>

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.

PE3C2606 CAD Drawing

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

REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	10/16/2023
		CHANGED BY	HBAKKE
		APPROVED	AGANWANI



NOTES:

1. 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.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

 PASTERNAK an INFINIT@ brand Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
	SCALE	SHEET
NONE		1 OF 1
DESCRIPTION		
SMA MALE TO SMA MALE RIGHT ANGLE CABLE USING PE-SR402AL COAX		
SIZE	CAGE CODE	ITEM NO.
A	53919	HBAKKE
DRAWN BY		REV
HBAKKE		A