

SMA Male to SMA Male Right Angle Cable Using PE-SR405AL Coax, LF Solder



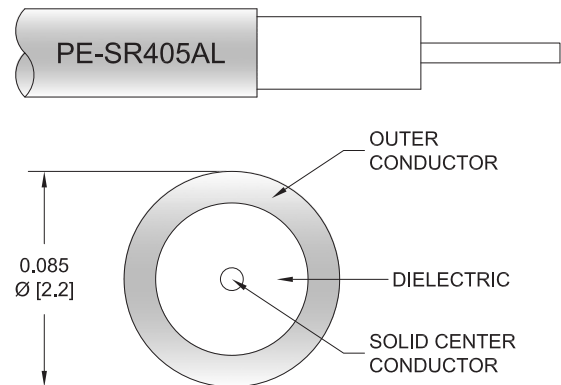
PE3W14487LF

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: PE-SR405AL
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 10 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W14487LF SMA male to SMA male right angle cable using PE-SR405AL 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-SR405AL coax. The PE3W14487LF SMA male to SMA male cable assembly operates to 10 GHz. The right angle SMA interface on the PE-SR405AL 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	

Specifications by Frequency

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PE3W14487LF

Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	1000	2500	5000	10000	MHz	
PE3W14487LF	Custom Lengths Available	Insertion Loss (Typ.)	0.23	0.32	0.487	0.81	dB/ft	
			0.76	1.05	1.6	2.66	dB/m	
PE3W14487LF-6	6 inch	Insertion Loss (Typ.)	0.42	0.46	0.55	0.71	dB	0.024
PE3W14487LF-12	12 inch	Insertion Loss (Typ.)	0.53	0.62	0.79	1.11	dB	0.031
PE3W14487LF-18	18 inch	Insertion Loss (Typ.)	0.65	0.78	1.04	1.52	dB	0.039
PE3W14487LF-24	24 inch	Insertion Loss (Typ.)	0.76	0.94	1.28	1.92	dB	0.046
PE3W14487LF-36	36 inch	Insertion Loss (Typ.)	0.99	1.26	1.77	2.73	dB	0.06

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:	0.031 pounds
Additional Weight per Inch:	0.00117 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.031 lbs [14.06 g]

Cable

Cable Type	PE-SR405AL
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 1 Material and Plating	Tinned Aluminum
One Time Minimum Bend Radius	0.05 in [1.27 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	Brass, Gold over Nickel
Contact Plating Specification		8 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Brass, Gold over Nickel
Body Plating Specification		4 µin minimum
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 inch	5/16 inch
Torque	8 in-lbs 0.9 Nm	10 in-lbs 1.13 Nm

Environmental Specifications

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

Plotted and Other Data

Notes:

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PE3W14487LF

Typical Performance Data

How to Order

Part Number Configuration:

PE3W14487LF

- xx

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Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3W14487LF-12 = 12 inches long cable
PE3W14487LF-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Cable Using PE-SR405AL Coax, LF Solder 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-SR405AL Coax, LF Solder PE3W14487LF](#)

URL: <https://www.pasternack.com/sma-male-to-sma-male-cable-using-pe-sr405al-lf-solder-pe3w14487lf-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.

PE3W14487LF CAD Drawing

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