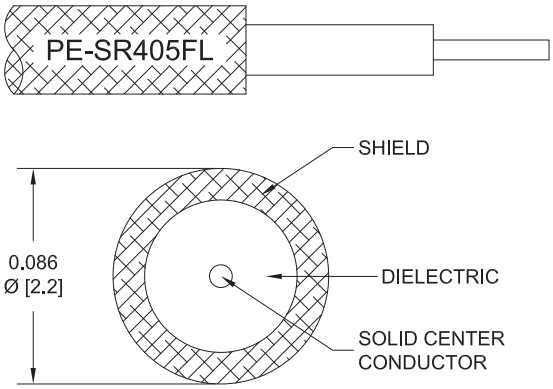
SMA Female to SMP Female Right Angle Cable Using PE-SR405FL Coax

PE37504

Configuration

- Connector 1: SMA Female
- Connector 2: SMP Female Right Angle
- Cable Type: PE-SR405FL
- Coax Flex Type: Formable



Features

- Max Frequency 12.4 GHz
- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE37504 SMA female to SMP female right angle cable using PE-SR405FL 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 SMP cable assembly has a female to female gender configuration with 50 ohm formable PE-SR405FL coax. The PE37504 SMA female to SMP female cable assembly operates to 12.4 GHz. The right angle SMP interface on the PE-SR405FL 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		12.4	
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]

Specifications by Frequency

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	500	1000	2500	5000	12400	MHz	
PE37504	Custom Lengths Available	Insertion Loss (Typ.)	0.15	0.22	0.34	0.54	0.9	dB/ft	
			0.5	0.73	1.12	1.78	2.96	dB/m	
PE37504-6	6 inch	Insertion Loss (Typ.)	0.25	0.31	0.43	0.6	0.91	dB	0.014
PE37504-9	9 inch	Insertion Loss (Typ.)	0.29	0.37	0.52	0.73	1.13	dB	0.017
PE37504-12	12 inch	Insertion Loss (Typ.)	0.33	0.42	0.6	0.87	1.36	dB	0.019
PE37504-24	24 inch	Insertion Loss (Typ.)	0.48	0.64	0.94	1.41	2.26	dB	0.031
PE37504-36	36 inch	Insertion Loss (Typ.)	0.63	0.86	1.28	1.95	3.16	dB	0.042

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:	0.1 x sqrt(fGHz)	dB
Base Weight:	0.019	pounds
Additional Weight per Inch:	0.00092	pounds

Mechanical Specifications

Cable Assembly

Weight	0.019 lbs [8.62 g]

Cable

Cable Type	PE-SR405FL
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

Connectors

Description	Connector 1	Connector 2
Type	SMA Female	SMP Female Right Angle
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Gold	Beryllium Copper, Gold
Contact Plating Specification	MIL-G-45204	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Gold	Beryllium Copper, Gold
Body Plating Specification	MIL-G-45204	

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Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
Values at 25°C, sea level.

Typical Performance Data

How to Order

Part Number Configuration:

PE37504 - xx uu

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE37504 — Base Number

Example: PE37504-12 = 12 inches long cable
PE37504-100cm = 100 cm long cable

SMA Female to SMP Female Right Angle Cable Using PE-SR405FL 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 Female to SMP Female Right Angle Cable Using PE-SR405FL Coax PE37504

URL: https://www.pasternack.com/sma-female-to-smp-female-cable-using-pe-sr405fl-pe37504-p.aspx

PE37504 CAD Drawing

SMA Female to SMP Female Right Angle Cable Using PE-SR405FL Coax