

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



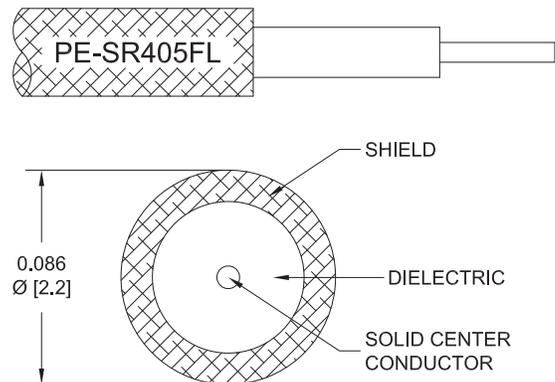
### PE3W05740/HS

#### 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 PE3W05740/HS 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 PE3W05740/HS 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	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ohms/1000ft [Ohms/Km]

#### Specifications by Frequency

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### PE3W05740/HS

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		500	1000	2500	5000	
PE3W05740/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.15	0.225	0.346	0.549	0.905	dB/ft	
			0.5	0.74	1.14	1.81	2.97	dB/m	
PE3W05740/HS-6	6 In	Insertion Loss (Typ.)	0.25	0.32	0.44	0.6	0.91	dB	0.013
PE3W05740/HS-9	9 In	Insertion Loss (Typ.)	0.29	0.37	0.52	0.74	1.14	dB	0.016
PE3W05740/HS-12	12 In	Insertion Loss (Typ.)	0.33	0.43	0.61	0.88	1.36	dB	0.018
PE3W05740/HS-24	24 In	Insertion Loss (Typ.)	0.4	0.54	0.78	1.15	1.81	dB	0.03
PE3W05740/HS-36	36 In	Insertion Loss (Typ.)	0.48	0.65	0.96	1.43	2.27	dB	0.041

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*SQRT(FGHz) dB
Base Weight:	0.018 pounds
Additional Weight per Inch:	0.00092 pounds

### Mechanical Specifications

#### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.017 lbs [7.71 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
Outer Conductor 1 Material and Plating	Copper, Tin
Repeated Minimum Bend Radius	0.78 in [19.81 mm]

### Connectors

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

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### PE3W05740/HS

#### Environmental Specifications

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

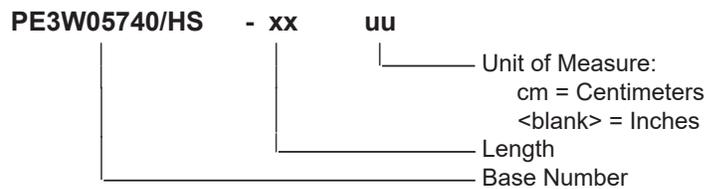
#### Plotted and Other Data

Notes:

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE3W05740/HS-12 = 12 inches long cable  
PE3W05740/HS-100cm = 100 cm long cable

SMA Female to SMP Female Right Angle Cable Using PE-SR405FL 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 Female to SMP Female Right Angle Cable Using PE-SR405FL Coax with HeatShrink PE3W05740/HS](#)

URL: <https://www.pasternack.com/sma-female-to-smp-female-cable-using-pe-sr405fl-with-heatshrink-pe3w05740-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.

# PE3W05740/HS CAD Drawing

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