

SMP Female Right Angle to SMP Female Right Angle Cable Using Tinned RG405 Coax with HeatShrink



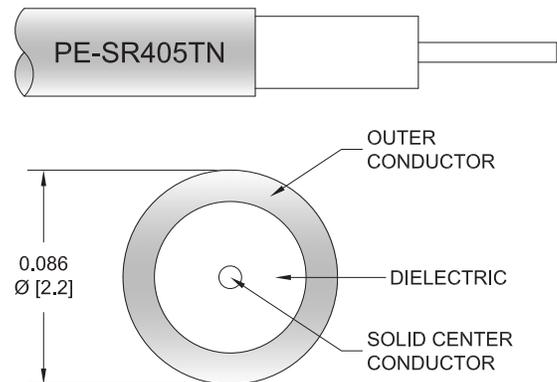
PE3W05905/HS

Configuration

- Connector 1: SMP Female Right Angle
- Connector 2: SMP Female Right Angle
- Cable Type: RG405 Tinned
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 12.4 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W05905/HS SMP female right angle to SMP female right angle cable using tinned RG405 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 SMP to SMP cable assembly has a female to female gender configuration with 50 ohm semi-rigid RG405 tinned coax. The PE3W05905/HS SMP female to SMP female cable assembly operates to 12.4 GHz. The right angle SMP interfaces on the RG405 tinned cable allow 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	

Specifications by Frequency

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PE3W05905/HS

Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
			Frequency	1000	2500	5000	12400	
PE3W05905/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.22	0.316	0.477	0.896	dB/ft	
			0.73	1.04	1.57	2.94	dB/m	
PE3W05905/HS-6	6 In	Insertion Loss (Typ.)	0.31	0.48	0.69	1.16	dB	0.011
PE3W05905/HS-12	12 In	Insertion Loss (Typ.)	0.42	0.64	0.93	1.61	dB	0.017
PE3W05905/HS-18	18 In	Insertion Loss (Typ.)	0.53	0.8	1.17	2.05	dB	0.024
PE3W05905/HS-24	24 In	Insertion Loss (Typ.)	0.64	0.95	1.41	2.5	dB	0.03
PE3W05905/HS-36	36 In	Insertion Loss (Typ.)	0.86	1.27	1.88	3.4	dB	0.043

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*SQRT(FGHz) dB
 Loss due to Connector 2: 0.1*SQRT(FGHz) dB
 Base Weight: 0.017 pounds
 Additional Weight per Inch: 0.00108 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter: 0.5 in [12.7 mm]
 Weight: 0.039 lbs [17.69 g]

Cable

Cable Type: RG405 Tinned
 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 Copper
 One Time Minimum Bend Radius: 0.05 in [1.27 mm]

Connectors

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

Environmental Specifications

Operating Range Temperature: -55 to +125 deg C

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

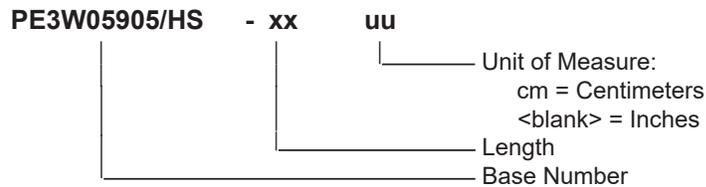
Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE3W05905/HS-12 = 12 inches long cable
PE3W05905/HS-100cm = 100 cm long cable

SMP Female Right Angle to SMP Female Right Angle Cable Using Tinned RG405 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: [SMP Female Right Angle to SMP Female Right Angle Cable Using Tinned RG405 Coax with HeatShrink PE3W05905/HS](#)

URL: <https://www.pasternack.com/smp-female-right-angle-to-smp-female-cable-using-tinned-rg405-with-heatshrink-pe3w05905-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.

PE3W05905/HS CAD Drawing

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