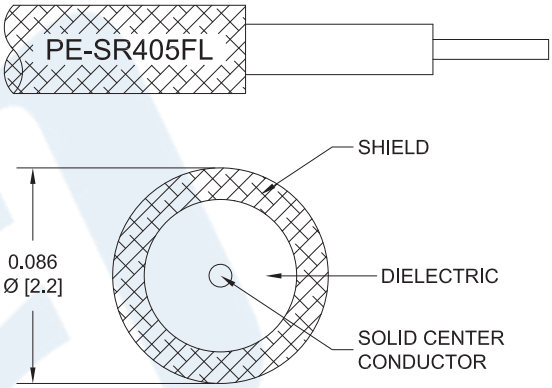
PASTERNACK
an INFINITE brand

SMP Female Right Angle to SMA Female Cable 100 cm Length Using PE-SR405FL Coax

RF Cable Assemblies Technical Data Sheet PE3W05740-100CM

Configuration

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



Features

- Max Frequency 18 GHz
- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W05740-100CM SMP female right angle to SMA female 100 cm 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 SMP to SMA cable assembly has a female to female gender configuration with 50 ohm formable PE-SR405FL coax. The PE3W05740-100CM SMP female to SMA female cable assembly operates to 18 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.

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 SMA Female Cable 100 cm Length Using PE-SR405FL Coax PE3W05740-100CM

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.5:1	
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

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	1.04	1.31	1.97	2.67	3.95	dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector Loss

Mechanical Specifications

Cable Assembly

Length*	39.37 in [100 cm]
Diameter	0.25 in [6.35 mm]

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 Material and Plating	Copper, Tin
Repeated Minimum Bend Radius	0.78 in [19.81 mm]

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Connectors

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

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8”, whichever is greater.

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **PE3W05740 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3W05740 — Base Number

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

SMP Female Right Angle to SMA Female Cable 100 cm Length 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: SMP Female Right Angle to SMA Female Cable 100 cm Length Using PE-SR405FL Coax PE3W05740-100CM

URL: https://www.pasternack.com/smp-female-sma-female-pe-sr405fl-cable-assembly-pe3w05740-100cm-p.aspx

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PE3W05740-100CM CAD Drawing

SMP Female Right Angle to SMA Female Cable 100 cm Length Using PE-SR405FL Coax