



SMA Female Bulkhead to SMP Female Cable Using PE-SR405FL Coax, LF Solder

RF Cable Assemblies Technical Data Sheet

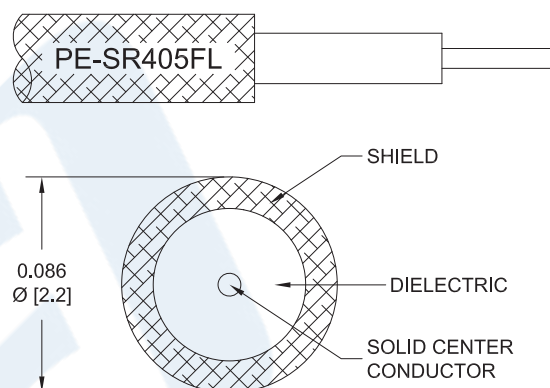
PE3W00474LF

Configuration

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

Features

- Max Frequency 18 GHz
- 69.5% Phase Velocity
- Copper Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W00474LF SMA female bulkhead to SMP female 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 PE3W00474LF SMA female to SMP female cable assembly operates to 18 GHz. Our RF cable assembly with SMA bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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		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]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ω /1000ft [Ω /Km]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead to SMP Female Cable Using PE-SR405FL Coax, LF Solder PE3W-00474LF](#)



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.23	0.31	0.52	0.77	1.13	dB/ft
	0.75	1.02	1.71	2.53	3.71	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1dB per connector.

Mechanical Specifications

Cable Assembly

Diameter 0.433 in [11 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
 Outer Conductor Diameter 0.085 in [2.16 mm]
 Jacket Material Copper

Repeated Minimum Bend Radius 0.78 in [19.81 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Female Bulkhead	SMP Female
Specification		MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold
Contact Plating Specification		MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Beryllium Copper, Gold
Body Plating Specification		MIL-G-45204

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.

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

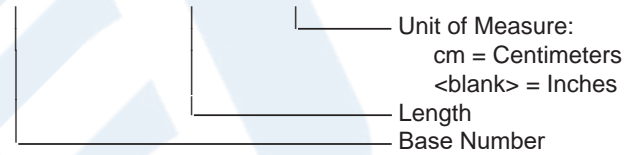
Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

PE3W00474LF - xx uu



Example: PE3W00474LF-12 = 12 inches long cable
PE3W00474LF-100cm = 100 cm long cable

SMA Female Bulkhead to SMP Female Cable Using PE-SR405FL 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.

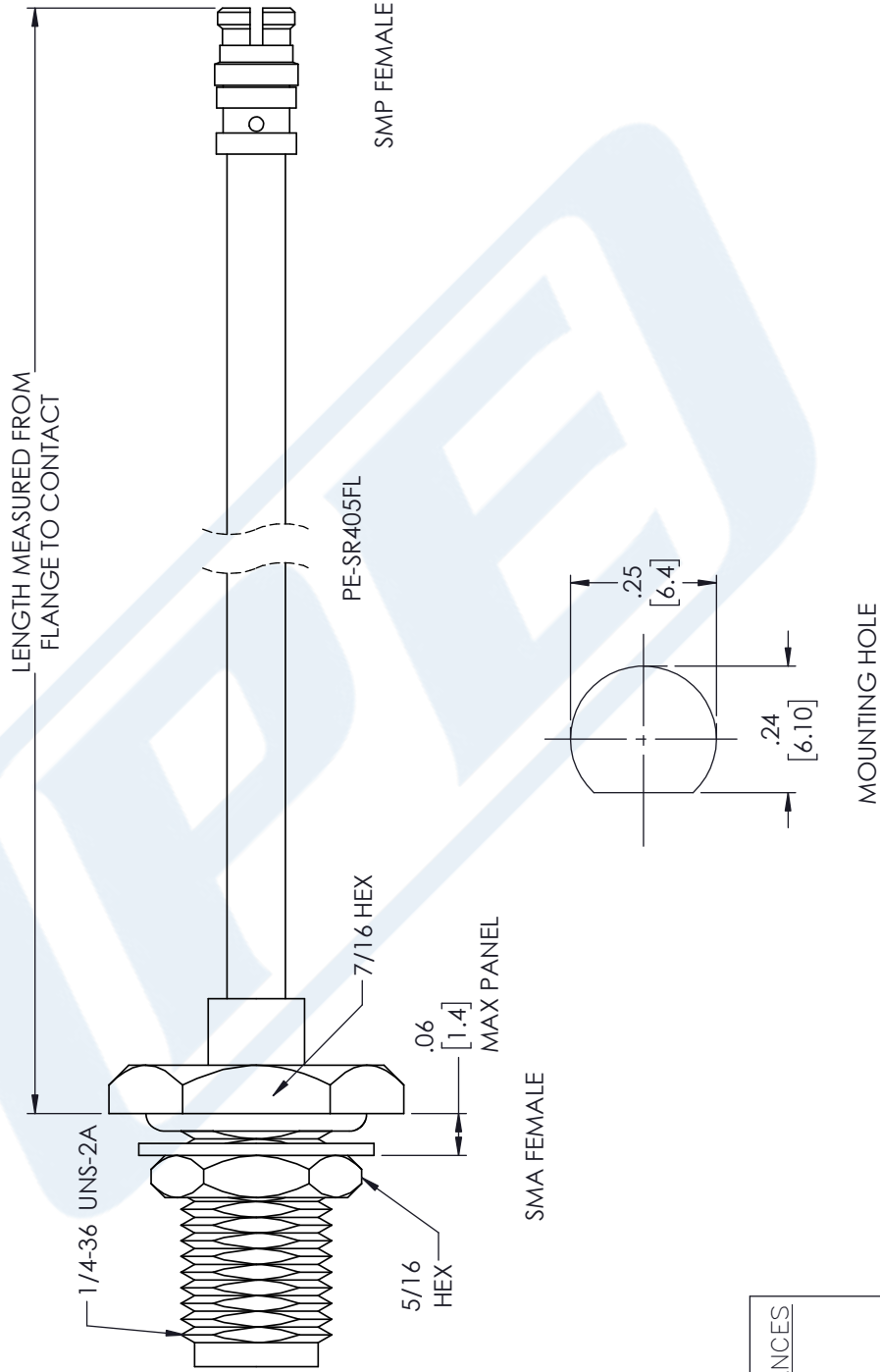
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URL: <https://www.pasternack.com/sma-female-smp-female-pe-sr405fl-cable-assembly-pe3w00474lf-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE3W00474LF CAD Drawing

SMA Female Bulkhead to SMP Female Cable Using PE-SR405FL Coax, LF Solder



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE3W00474LF

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

CAGE CODE 53919

CAD FILE 02/23/18

SCALE N/A

SIZE A

GF0006