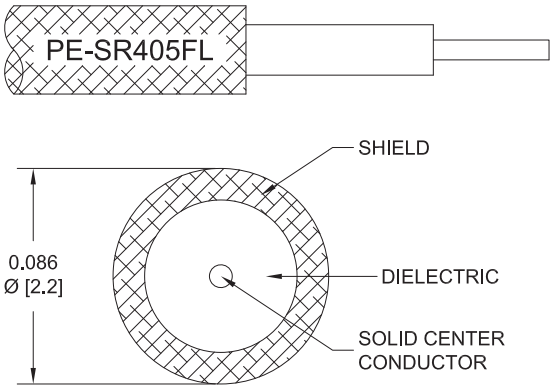
2.4mm Female Bulkhead to SMA Male Cable 36 Inch Length Using PE-SR405FL Coax

PE3W03550-36

Configuration

- Connector 1: 2.4mm Female Bulkhead
- Connector 2: SMA Male
- Cable Type: PE-SR405FL
- Coax Flex Type: Formable



Features

- Max Frequency 18 GHz
- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W03550-36 2.4mm female bulkhead to SMA male 36 inch 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 2.4mm to SMA cable assembly has a female to male gender configuration with 50 ohm formable PE-SR405FL coax. The PE3W03550-36 2.4mm female to SMA male cable assembly operates to 18 GHz. Our RF cable assembly with 2.4mm 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			1.45:1	
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

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Insertion Loss (Max.)	0.88	1.03	1.42	2.11	3.49	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 0.2dB of connector Loss

Mechanical Specifications

Cable Assembly

Width/Diameter	0.375 in [9.53 mm]
Weight	0.07 lbs [31.75 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	2.4mm Female Bulkhead	SMA Male
Specification	IEEE-STD-P287	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Brass, Gold
Contact Plating Specification	50 µin minimum	50µ in. minimum
Dielectric Type	PEI	Teflon
Body Material and Plating	Passivated Stainless Steel	Brass, Gold
Body Plating Specification	SAE-AMS-2700	3µ in. minimum
Coupling Nut Material and Plating		Brass, Gold
Coupling Nut Plating Specification		3µ in. minimum
Hex Size		5/16 Inch
Torque		3 in-lbs 0.34 Nm

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Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration: **PE3W03550 - xx uu**

- uu: Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx: Length
- PE3W03550: Base Number

Example: PE3W03550-12 = 12 inches long cable
PE3W03550-100cm = 100 cm long cable

2.4mm Female Bulkhead to SMA Male Cable 36 Inch 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: 2.4mm Female Bulkhead to SMA Male Cable 36 Inch Length Using PE-SR405FL Coax PE3W03550-36

URL: https://www.pasternack.com/2.4mm-female-sma-male-pe-sr405fl-cable-assembly-pe3w03550-36-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 impliment 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.

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PE3W03550-36 CAD Drawing

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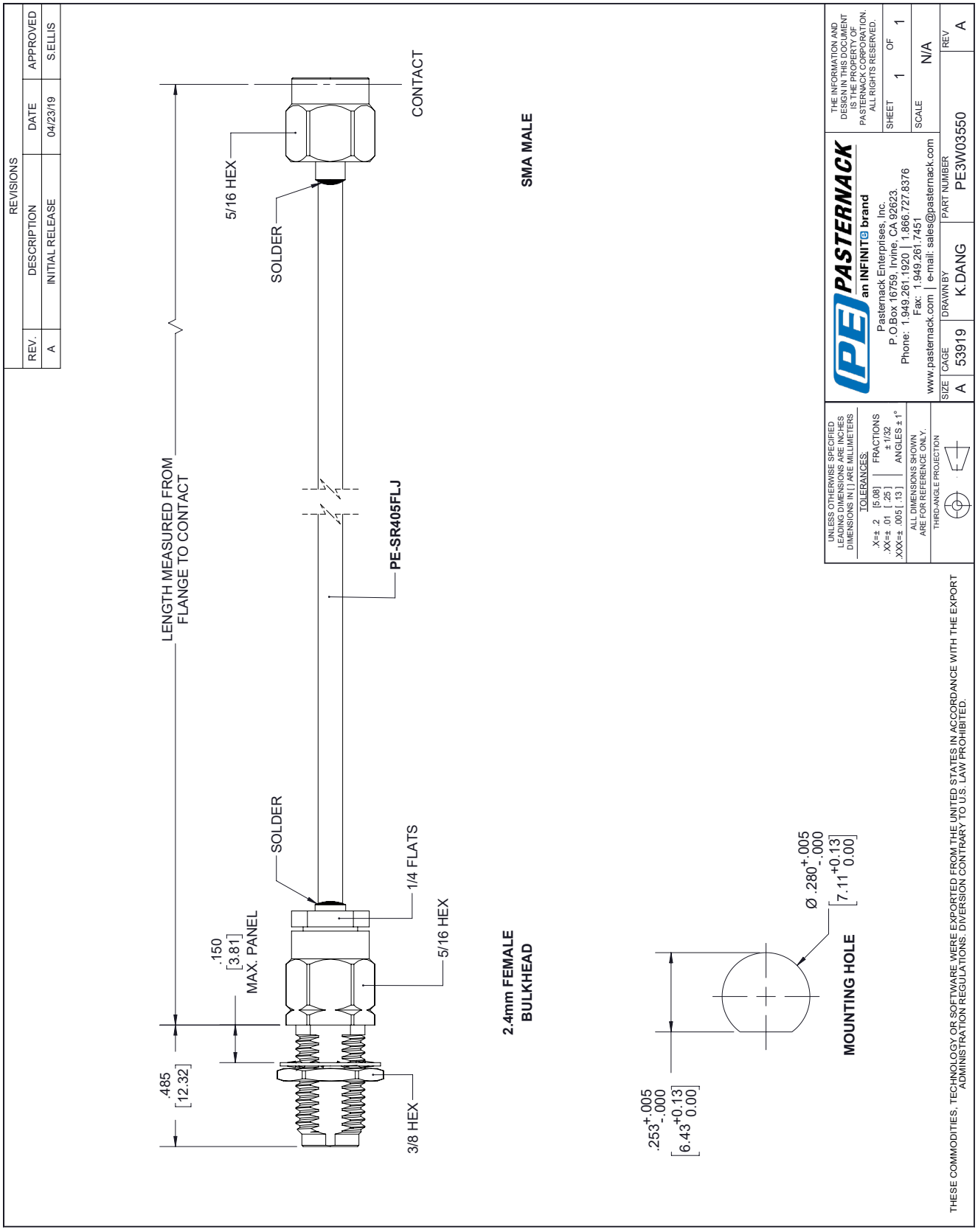

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