



2.4mm Female Bulkhead to Limited Detent SMP
Male Bulkhead Cable Using PE-SR405AL Coax

RF Cable Assemblies Technical Data Sheet

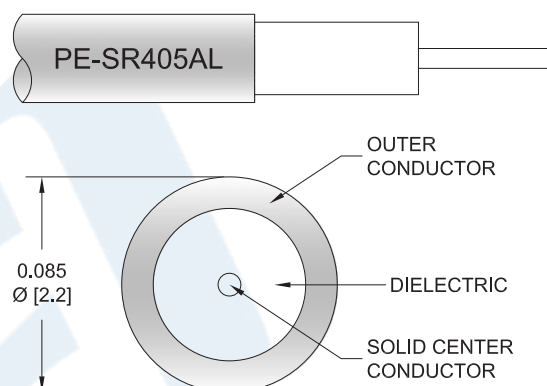
PE3W11761

Configuration

- Connector 1: 2.4mm Female Bulkhead
- Connector 2: Limited Detent SMP Male Bulkhead
- Cable Type: PE-SR405AL

Features

- Max Frequency 26.5 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W11761 2.4mm female bulkhead to SMP male limited detent bulkhead cable using PE-SR405AL 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 2.4mm to SMP cable assembly has a female to male gender configuration with 50 ohm semi-rigid PE-SR405AL coax. The PE3W11761 2.4mm female to SMP male cable assembly operates to 26.5 GHz. Our RF cable assembly with 2.4mm bulkhead and SMP 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.

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 Limited Detent SMP Male Bulkhead Cable Using PE-SR405AL Coax PE3W11761](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		26.5	GHz
VSWR			1.4:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	20	GHz
Insertion Loss (Typ.)	0.23	0.294	0.455	0.745	1.31	dB/ft
	0.75	0.96	1.49	2.44	4.3	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for 2.4mm Female connector and 0.05 xSQRT(FGHz) dB max up to 12 GHz for SMP Male Connector.

Mechanical Specifications

Cable Assembly

Weight 0.028 lbs [12.7 g]

Cable

Cable Type PE-SR405AL
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Outer Conductor Material and Plating Tinned Aluminum
 One Time Minimum Bend Radius 0.05 in [1.27 mm]

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Connectors

Description	Connector 1	Connector 2
Type	2.4mm Female Bulkhead	SMP Male Bulkhead
Specification	IEEE-STD-P287	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method		Limited Detent
Mating Cycles		500
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Brass, Gold
Contact Plating Specification	50 μ in minimum	
Dielectric Type	PEI	PTFE
Body Material and Plating	Passivated Stainless Steel	Brass, Gold
Body Plating Specification	SAE-AMS-2700	

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

Plotted and Other Data

Notes:

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 Limited Detent SMP Male Bulkhead Cable Using PE-SR405AL Coax PE3W11761](#)



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How to Order

Part Number Configuration:

PE3W11761

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W11761-12 = 12 inches long cable
PE3W11761-100cm = 100 cm long cable

2.4mm Female Bulkhead to Limited Detent SMP Male Bulkhead Cable Using PE-SR405AL 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.

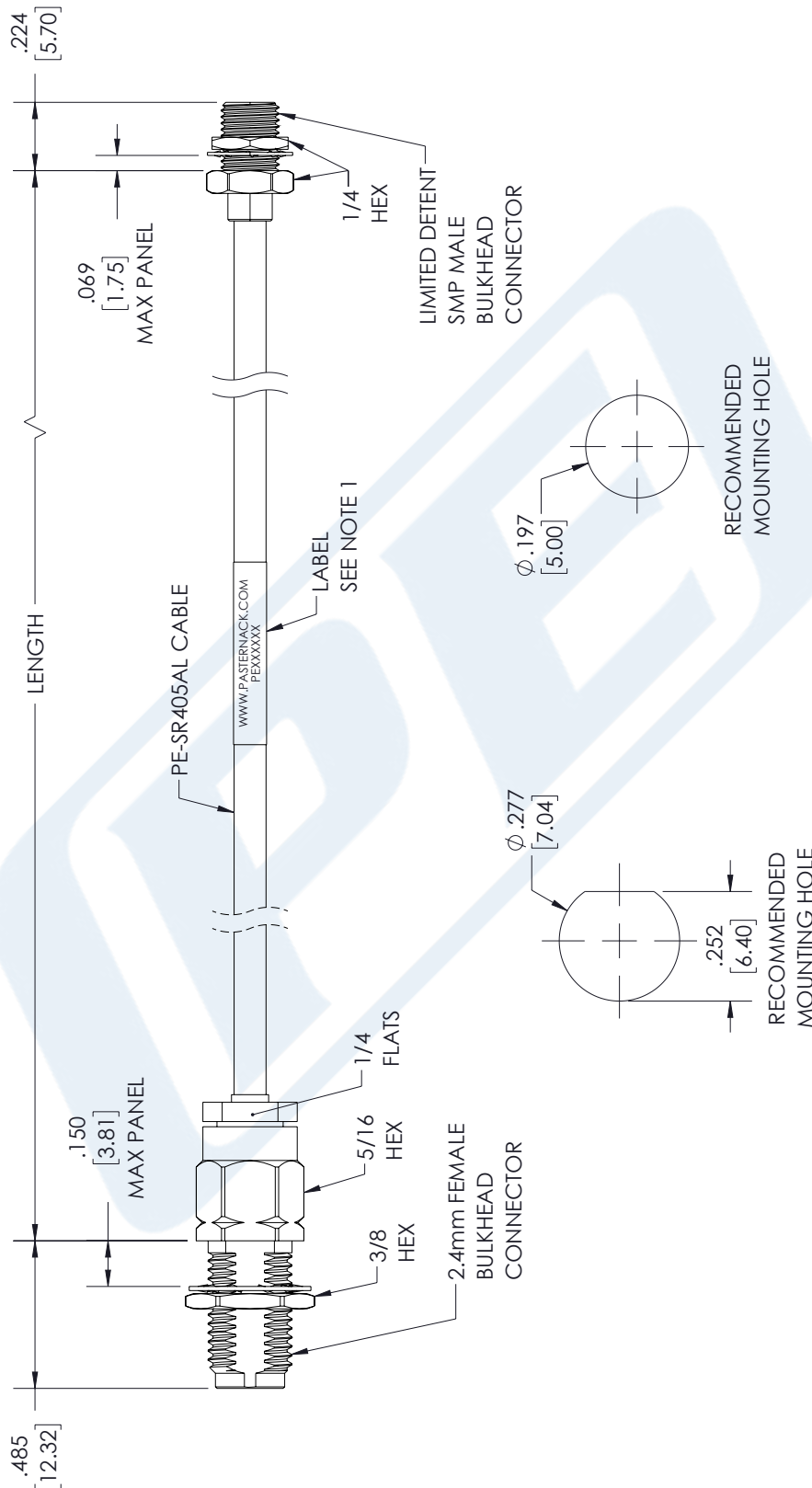
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4mm Female Bulkhead to Limited Detent SMP Male Bulkhead Cable Using PE-SR405AL Coax PE3W11761](https://www.pasternack.com/2.4mm-female-bulkhead-to-limited-detent-smp-male-bulkhead-cable-using-pe-sr405al-pe3w11761-p.aspx)

URL: <https://www.pasternack.com/2.4mm-female-bulkhead-to-limited-detent-smp-male-bulkhead-cable-using-pe-sr405al-pe3w11761-p.aspx>

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PE3W11761 CAD Drawing

REVISION				
ZONE	REV.	DESCRIPTION	DATE	APPROVED BY
	A	INITIAL RELEASE	12/14/2022	AGANWANI



- NOTES:
1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS , ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
 2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		 		INTERPRET ALL DIMENSIONS AND TOLERANCES PER Y14.5	
TOLERANCES:					
.X = ±.2 [.5]		FRACTIONS			
.XX = ±.02 [.5]		± 1/32			
.XXX = ±.005 [.13]		ANGLES ± 1°			
CABLE LENGTH TOLERANCES:					
		>12 [305] = +1 [25] / -0			
		>12 [305] ≤ 60 [1524] = +2 [51] / -0			
		>60 [1524] ≤ 120 [3048] = +4 [103] / -0			
		>120 [3048] ≤ 300 [7620] = +6 [193] / -0			
		>300 [7620] = +5% / -0			
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.					

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Website: www.Pasternak.com		Phone: 1.866.727.8376 1.949.261.1920			
DESCRIPTION		2.4mm Female Bulkhead to Limited Detent SMP Male Bulkhead Cable Using PE-SR405AL Coax			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV	
A	53919	BPUCHASKI	PE3W11761	A	