

MMCX Plug Right Angle to SMA Female Bulkhead Cable Using PE-SR405AL Coax

PE3W14462

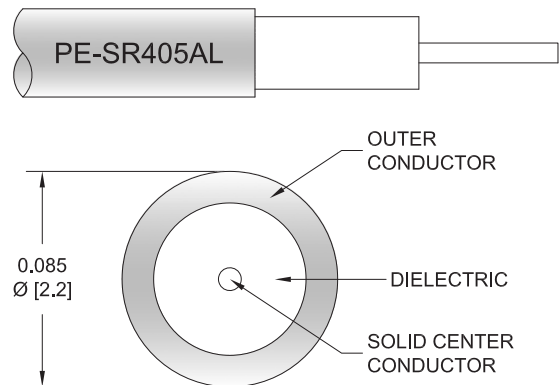


Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: SMA Female Bulkhead
- Cable Type: PE-SR405AL
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 6 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W14462 MMCX plug right angle to SMA female 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 MMCX to SMA cable assembly has a plug to female gender configuration with 50 ohm semi-rigid PE-SR405AL coax. The PE3W14462 MMCX plug to SMA female cable assembly operates to 6 GHz. The right angle MMCX interface on the PE-SR405AL cable allows for easier connections in tight spaces. 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		6	GHz
VSWR			1.4:1	

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	Units	Weight (lbs)
		Frequency	1000	2500	6000	MHz	
PE3W14462	Custom Lengths Available	Insertion Loss (Typ.)	0.23	0.327	0.552	dB/ft	
			0.76	1.08	1.82	dB/m	
PE3W14462-6	6 inch	Insertion Loss (Typ.)	0.42	0.47	0.58	dB	0.024
PE3W14462-12	12 inch	Insertion Loss (Typ.)	0.53	0.63	0.86	dB	0.031
PE3W14462-18	18 inch	Insertion Loss (Typ.)	0.65	0.8	1.13	dB	0.039
PE3W14462-24	24 inch	Insertion Loss (Typ.)	0.76	0.96	1.41	dB	0.046
PE3W14462-36	36 inch	Insertion Loss (Typ.)	0.99	1.29	1.96	dB	0.06

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: 0.2 dB
 Loss due to Connector 2: 0.1 dB
 Base Weight: 0.031 pounds
 Additional Weight per Inch: 0.00117 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter 0.5 in [12.7 mm]
 Weight 0.031 lbs [14.06 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
 Number of Shields 1
 Outer Conductor 1 Material and Plating Tinned Aluminum
 One Time Minimum Bend Radius 0.05 in [1.27 mm]

Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug Right Angle	SMA Female Bulkhead
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Phosphor Bronze, Gold over Nickel	Beryllium Copper, Gold
Contact Plating Specification		50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Stainless Steel, Gold
Body Plating Specification		30 µin minimum

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PE3W14462

Environmental Specifications

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

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:

PE3W14462 - xx uu

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

Example: PE3W14462-12 = 12 inches long cable
PE3W14462-100cm = 100 cm long cable

MMCX Plug Right Angle to SMA Female 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: [MMCX Plug Right Angle to SMA Female Bulkhead Cable Using PE-SR405AL Coax PE3W14462](#)

URL: <https://www.pasternack.com/mmcx-plug-right-angle-to-sma-female-bulkhead-cable-using-pe-sr405al-pe3w14462-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.

PE3W14462 CAD Drawing

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