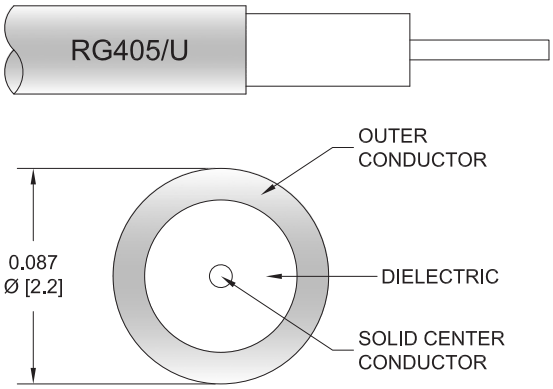
MCX Plug Right Angle to TNC Female Bulkhead Cable Using RG405 Coax

PE3C9403

Configuration

- Connector 1: MCX Plug Right Angle
- Connector 2: TNC Female Bulkhead
- Cable Type: RG405
- Coax Flex Type: Semi-Rigid



Features

- Max Frequency 6 GHz
- Shielding Effectivity > -110 dB
- 69.5% Phase Velocity

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C9403 MCX plug right angle to TNC female bulkhead cable using RG405 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 MCX to TNC cable assembly has a plug to female gender configuration with 50 ohm semi-rigid RG405 coax. The PE3C9403 MCX plug to TNC female cable assembly operates to 6 GHz. The right angle MCX interface on the RG405 cable allows for easier connections in tight spaces. Our RF cable assembly with TNC 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
Velocity of Propagation		69.5		%
RF Shielding	-110			
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	250	500	1000	2500	6000	MHz	
PE3C9403	Custom Lengths Available	Insertion Loss (Typ.)	0.06	0.11	0.22	0.32	0.542	dB/ft	
			0.19	0.37	0.73	1.04	1.78	dB/m	
PE3C9403-6	6 inch	Insertion Loss (Typ.)	0.33	0.36	0.41	0.46	0.58	dB	0.049
PE3C9403-12	12 inch	Insertion Loss (Typ.)	0.36	0.41	0.52	0.62	0.85	dB	0.055
PE3C9403-18	18 inch	Insertion Loss (Typ.)	0.39	0.47	0.63	0.78	1.12	dB	0.062
PE3C9403-24	24 inch	Insertion Loss (Typ.)	0.41	0.52	0.74	0.94	1.39	dB	0.069
PE3C9403-36	36 inch	Insertion Loss (Typ.)	0.47	0.63	0.96	1.25	1.93	dB	0.082

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:	0.055	pounds
Additional Weight per Inch:	0.00109	pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.055 lbs [24.95 g]

Cable

Cable Type	RG405
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
Jacket Material	Tan
Repeated Minimum Bend Radius	0.05 in [1.27 mm]

Connectors

Description	Connector 1	Connector 2
Type	MCX Plug Right Angle	TNC Female Bulkhead
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Brass, Gold over Nickel	Beryllium Copper, Gold over Nickel
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Brass, Nickel

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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: **PE3C9403 - xx uu**

- uu: Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx: Length
- PE3C9403: Base Number

Example: PE3C9403-12 = 12 inches long cable
PE3C9403-100cm = 100 cm long cable

MCX Plug Right Angle to TNC Female Bulkhead Cable Using RG405 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: MCX Plug Right Angle to TNC Female Bulkhead Cable Using RG405 Coax PE3C9403

URL: https://www.pasternack.com/mcx-plug-right-angle-to-tnc-female-bulkhead-cable-using-rg405-pe3c9403-p.aspx

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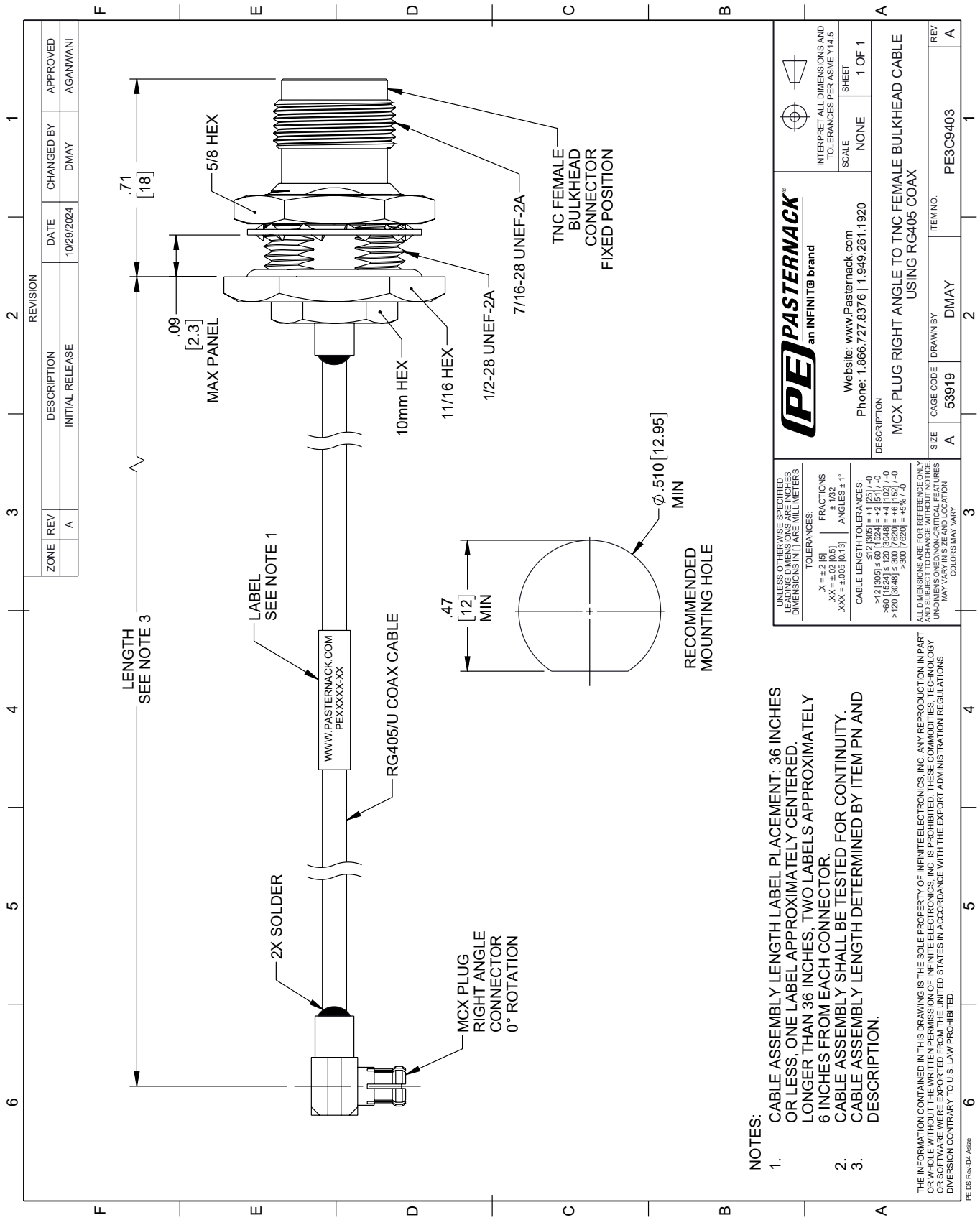
PE3C9403 CAD Drawing

MCX Plug Right Angle to TNC Female Bulkhead Cable Using RG405 Coax



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