

## MCX Plug Right Angle to N Female Bulkhead Cable Using RG405 Coax



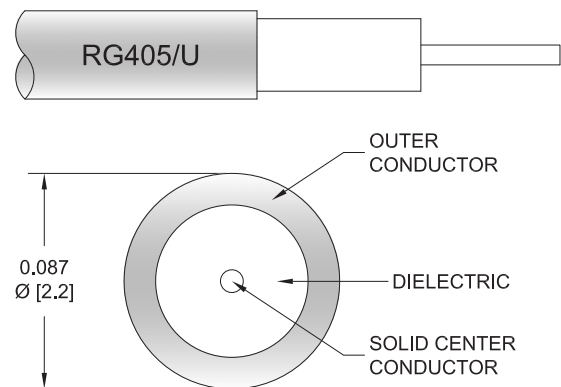
### PE3C9404

#### Configuration

- Connector 1: MCX Plug Right Angle
- Connector 2: N 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 PE3C9404 MCX plug right angle to type N 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 type N cable assembly has a plug to female gender configuration with 50 ohm semi-rigid RG405 coax. The PE3C9404 MCX plug to type N 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 type N 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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### PE3C9404

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency					MHz	
PE3C9404	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	
PE3C9404-6	6 inch	Insertion Loss (Typ.)	0.33	0.36	0.41	0.46	0.58	dB	0.095
PE3C9404-12	12 inch	Insertion Loss (Typ.)	0.36	0.41	0.52	0.62	0.85	dB	0.101
PE3C9404-18	18 inch	Insertion Loss (Typ.)	0.39	0.47	0.63	0.78	1.12	dB	0.108
PE3C9404-24	24 inch	Insertion Loss (Typ.)	0.41	0.52	0.74	0.94	1.39	dB	0.115
PE3C9404-36	36 inch	Insertion Loss (Typ.)	0.47	0.63	0.96	1.25	1.93	dB	0.128

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:	0.101 pounds
Additional Weight per Inch:	0.00109 pounds

### Mechanical Specifications

#### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.101 lbs [45.81 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	N Female Bulkhead
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Brass, Gold over Nickel	Phosphor Bronze, Gold over Nickel
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Brass, Nickel

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### PE3C9404

#### Environmental Specifications

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

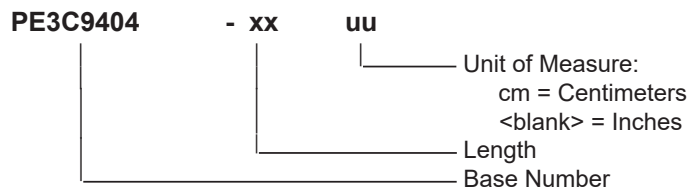
#### Plotted and Other Data

Notes:

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE3C9404-12 = 12 inches long cable  
PE3C9404-100cm = 100 cm long cable

MCX Plug Right Angle to N 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 N Female Bulkhead Cable Using RG405 Coax PE3C9404](#)

URL: <https://www.pasternack.com/mcx-plug-right-angle-to-n-female-bulkhead-cable-using-rg405-pe3c9404-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.

# PE3C9404 CAD Drawing

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