

## 75 Ohm Push-On MCX Plug Right Angle to 75 Ohm SMC Jack Bulkhead Cable Using 75 Ohm RG187 Coax

### PE3C8196

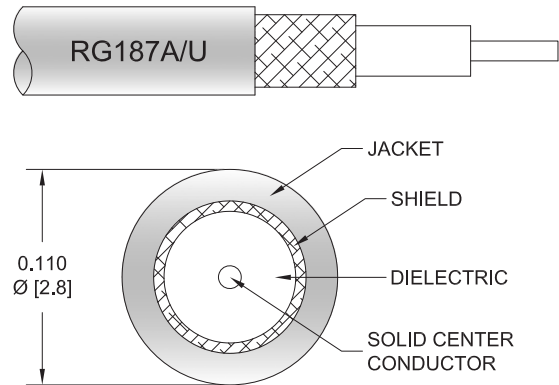


#### Configuration

- Connector 1: Push-On MCX Plug Right Angle
- Connector 2: SMC Jack Bulkhead
- Cable Type: RG187
- Coax Flex Type: Flexible

#### Features

- Max Frequency 2 GHz
- 70% Phase Velocity
- PTFE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C8196 75 ohm MCX plug push-on right angle to 75 ohm SMC jack bulkhead cable using 75 ohm RG187 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack MCX to SMC cable assembly has a plug to jack gender configuration with 75 ohm flexible RG187 coax. The PE3C8196 MCX plug to SMC jack cable assembly operates to 2 GHz. The right angle MCX interface on the RG187 cable allows for easier connections in tight spaces. Our RF cable assembly with SMC 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		2	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		19.5 [63.98]		pF/ft [pF/m]
DC Resistance Inner Conductor		245 [803.81]		Ohms/1000ft [Ohms/Km]

#### Mechanical Specifications

##### Cable Assembly

Weight

0.025 lbs [11.34 g]

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#### Cable

Cable Type	RG187
Impedance	75 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	PTFE, White
Jacket Diameter	0.102 in [2.59 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	MCX Plug Right Angle	SMC Jack Bulkhead
Specification	MIL-C-39012	MIL-STD-348
Impedance	75 Ohms	75 Ohms
Configuration	Right Angle	Straight
Connection Method	Push-On	
Contact Material and Plating	Brass, Gold	Gold
Contact Plating Specification		MIL-G-45204
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification		QQ-N-290

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:

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### PE3C8196

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3C8196**

**- xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C8196-12 = 12 inches long cable  
PE3C8196-100cm = 100 cm long cable

75 Ohm Push-On MCX Plug Right Angle to 75 Ohm SMC Jack Bulkhead Cable Using 75 Ohm RG187 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: [75 Ohm Push-On MCX Plug Right Angle to 75 Ohm SMC Jack Bulkhead Cable Using 75 Ohm RG187 Coax PE3C8196](https://www.pasternack.com/75-ohm-push-on-mcx-plug-right-angle-to-75-ohm-smc-jack-bulkhead-cable-using-rg187-pe3c8196-p.aspx)

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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.

PE3C8196 CAD Drawing

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