

## MMCX Plug Right Angle to SMA Male Cable 12 Inch Length Using PE-SR405FL Coax



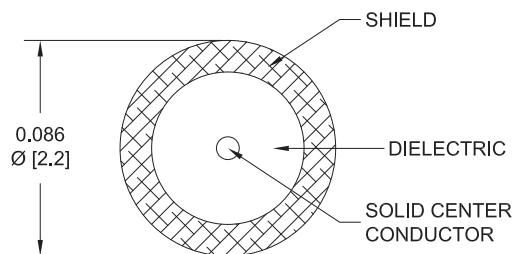
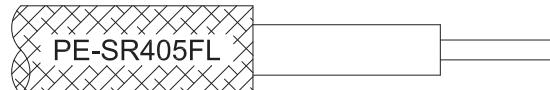
### PE3C4195-12

#### Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: SMA Male
- Cable Type: PE-SR405FL
- Coax Flex Type: Formable

#### Features

- Max Frequency 6 GHz
- 69.5% Phase Velocity



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C4195-12 MMCX plug right angle to SMA male 12 inch cable using PE-SR405FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack MMCX to SMA cable assembly has a plug to male gender configuration with 50 ohm formable PE-SR405FL coax. The PE3C4195-12 MMCX plug to SMA male cable assembly operates to 6 GHz. The right angle MMCX interface on the PE-SR405FL cable allows for easier connections in tight spaces.

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	
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ohms/1000ft [Ohms/Km]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	6		GHz

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#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the SMA male connector and 0.2 dB for the MMCX plug connector.

#### Mechanical Specifications

##### Cable Assembly

Length	12 in [304.8 mm]
Width/Diameter	0.5 in [12.7 mm]
Weight	0.027 lbs [12.25 g]

##### Cable

Cable Type	PE-SR405FL
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, Tin
Repeated Minimum Bend Radius	0.78 in [19.81 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug Right Angle	SMA Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Mating Cycles		500
Contact Material and Plating	Phosphor Bronze, Gold over Nickel	Brass, Gold
Contact Plating Specification		50 $\mu$ in minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Stainless Steel, Gold
Body Plating Specification		10 $\mu$ in minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 $\mu$ in minimum
Hex Size		5/16 inch
Torque		3 in-lbs 0.34 Nm

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#### Environmental Specifications

**Compliance Certifications** (see product page for current document)

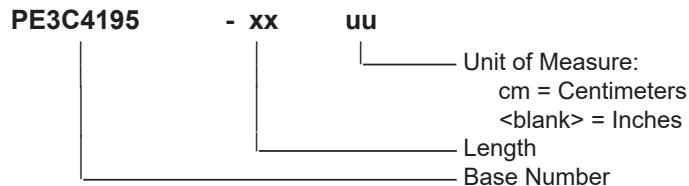
#### Plotted and Other Data

Notes:

#### Typical Performance Data

#### How to Order

Part Number Configuration:



Example: PE3C4195-12 = 12 inches long cable  
PE3C4195-100cm = 100 cm long cable

MMCX Plug Right Angle to SMA Male Cable 12 Inch Length Using PE-SR405FL 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 Male Cable 12 Inch Length Using PE-SR405FL Coax PE3C4195-12](#)

URL: <https://www.pasternack.com/mmcx-plug-right-angle-to-sma-male-cable-12-inch-length-using-pe-sr405fl-pe3c4195-12-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.

# PE3C4195-12 CAD Drawing

MMCX Plug Right Angle to SMA Male Cable 12 Inch Length Using PE-SR405FL Coax

