

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



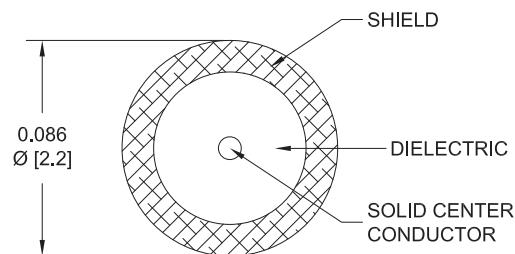
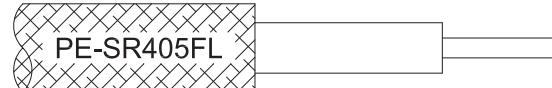
PE3C4196

Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: SMA Male Right Angle
- 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 PE3C4196 MMCX plug right angle to SMA male right angle 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 PE3C4196 MMCX plug to SMA male cable assembly operates to 6 GHz. The right angle MMCX and right angle SMA interfaces on the PE-SR405FL cable allow 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 | |
| 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

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PE3C4196

| Part Number | Length | Description | F1 | F2 | F3 | F4 | Units MHz | Weight (lbs) |
|-------------|--------------------------|-----------------------|------|------|------|------|--------------|--------------|
| | | Frequency | 500 | 1000 | 2500 | 6000 | | |
| PE3C4196 | Custom Lengths Available | Insertion Loss (Typ.) | 0.15 | 0.22 | 0.34 | 0.6 | dB/ft | |
| | | | 0.5 | 0.73 | 1.12 | 1.97 | dB/m | |
| PE3C4196-6 | 6 inch | Insertion Loss (Typ.) | 0.48 | 0.51 | 0.57 | 0.7 | dB | 0.025 |
| PE3C4196-9 | 9 inch | Insertion Loss (Typ.) | 0.52 | 0.57 | 0.66 | 0.85 | dB | 0.028 |
| PE3C4196-12 | 12 inch | Insertion Loss (Typ.) | 0.55 | 0.62 | 0.74 | 1 | dB | 0.03 |
| PE3C4196-24 | 24 inch | Insertion Loss (Typ.) | 0.7 | 0.84 | 1.08 | 1.6 | dB | 0.042 |
| PE3C4196-36 | 36 inch | Insertion Loss (Typ.) | 0.85 | 1.06 | 1.42 | 2.2 | dB | 0.053 |

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: 0.2 dB
 Base Weight: 0.03 pounds
 Additional Weight per Inch: 0.00092 pounds

Mechanical Specifications

Cable Assembly

Weight 0.03 lbs [13.61 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] |

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PE3C4196

Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|-----------------------------------|-----------------------|
| Type | MMCX Plug Right Angle | SMA Male Right Angle |
| Specification | | MIL-STD-348A |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Right Angle | Right Angle |
| Contact Material and Plating | Phosphor Bronze, Gold over Nickel | Brass, Gold |
| Contact Plating Specification | | 50 μ in minimum |
| Dielectric Type | PTFE | PTFE |
| Body Material and Plating | Brass, Gold over Nickel | Stainless Steel, Gold |
| Body Plating Specification | | 30 μ in minimum |
| Coupling Nut Material and Plating | | Brass, Nickel |
| Coupling Nut Plating Specification | | 100 μ in minimum |
| Hex Size | | 5/16 inch |
| Torque | | 3 in-lbs 0.34 Nm |

Environmental Specifications

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

Plotted and Other Data

Notes:

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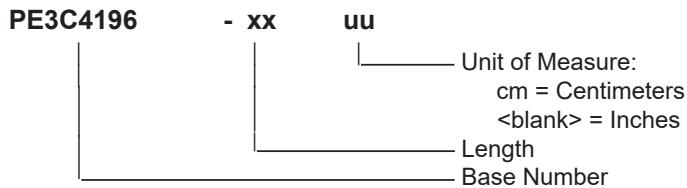


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Typical Performance Data

How to Order

Part Number Configuration:



Example: PE3C4196-12 = 12 inches long cable
PE3C4196-100cm = 100 cm long cable

MMCX Plug Right Angle to SMA Male Right Angle Cable 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 Right Angle Cable Using PE-SR405FL Coax PE3C4196](#)

URL: <https://www.pasternack.com/mmcx-plug-right-angle-to-sma-male-cable-using-pe-sr405fl-pe3c4196-p.aspx>

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PE3C4196 CAD Drawing

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

