

SMA Male to MMCX Plug Right Angle Cable Using PE-SR405FLJ Coax



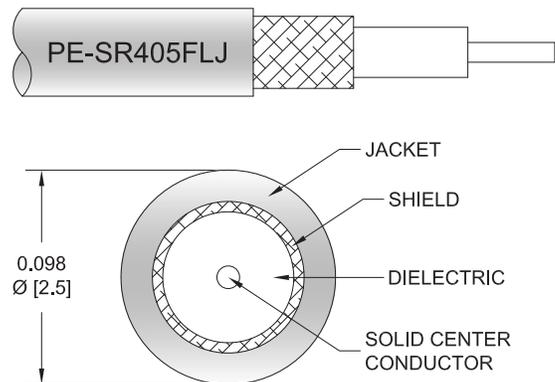
PE3C3837

Configuration

- Connector 1: SMA Male
- Connector 2: MMCX Plug Right Angle
- Cable Type: PE-SR405FLJ
- Coax Flex Type: Formable

Features

- Max Frequency 6 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C3837 SMA male to MMCX plug right angle cable using PE-SR405FLJ 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 SMA to MMCX cable assembly has a male to plug gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3C3837 SMA male to MMCX plug cable assembly operates to 6 GHz. The right angle MMCX interface on the PE-SR405FLJ 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	
VSWR			1.4:1	
Velocity of Propagation		69.5		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]

Specifications by Frequency

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PE3C3837

Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
			Frequency				500	
PE3C3837	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	
PE3C3837-6	6 inch	Insertion Loss (Typ.)	0.38	0.41	0.47	0.6	dB	0.023
PE3C3837-9	9 inch	Insertion Loss (Typ.)	0.42	0.47	0.56	0.75	dB	0.027
PE3C3837-12	12 inch	Insertion Loss (Typ.)	0.45	0.52	0.64	0.9	dB	0.03
PE3C3837-18	18 inch	Insertion Loss (Typ.)	0.53	0.63	0.81	1.2	dB	0.038
PE3C3837-24	24 inch	Insertion Loss (Typ.)	0.6	0.74	0.98	1.5	dB	0.045

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: 0.1 dB
 Loss due to Connector 2: 0.2 dB
 Base Weight: 0.03 pounds
 Additional Weight per Inch: 0.00117 pounds

Mechanical Specifications

Cable Assembly

Weight 0.03 lbs [13.61 g]

Cable

Cable Type PE-SR405FLJ
 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 Tinned Copper Braid
 Jacket Material FEP, Black
 Jacket Diameter 0.098 in [2.49 mm]
 One Time Minimum Bend Radius 0.236 in [5.99 mm]
 Repeated Minimum Bend Radius 0.787 in [19.99 mm]

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PE3C3837

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	MMCX Plug Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Mating Cycles	500	
Contact Material and Plating	Brass, Gold	Phosphor Bronze, Gold over Nickel
Contact Plating Specification	50 µin minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Gold	Brass, Gold over Nickel
Body Plating Specification	10 µin minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin 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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PE3C3837

Typical Performance Data

How to Order

Part Number Configuration:

PE3C3837

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C3837-12 = 12 inches long cable
PE3C3837-100cm = 100 cm long cable

SMA Male to MMCX Plug Right Angle Cable Using PE-SR405FLJ 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: [SMA Male to MMCX Plug Right Angle Cable Using PE-SR405FLJ Coax PE3C3837](#)

URL: <https://www.pasternack.com/sma-male-to-mmcx-plug-cable-using-pe-sr405flj-pe3c3837-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.

PE3C3837 CAD Drawing

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