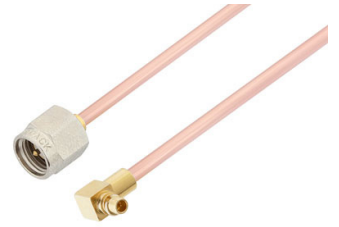


SMA Male to MMCX Plug Right Angle Cable Using RG405 Coax



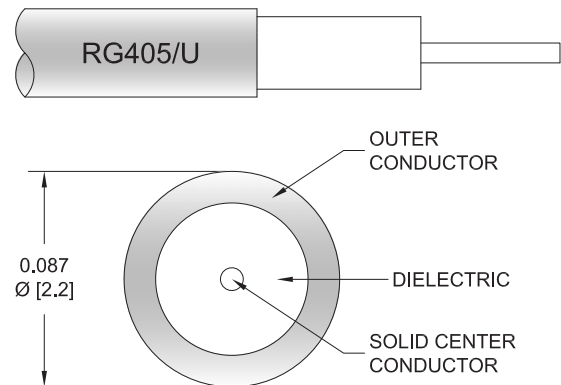
PE3C1561

Configuration

- Connector 1: SMA Male
- Connector 2: MMCX Plug Right Angle
- Cable Type: RG405
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 6 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C1561 SMA male to MMCX plug right angle 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 SMA to MMCX cable assembly has a male to plug gender configuration with 50 ohm semi-rigid RG405 coax. The PE3C1561 SMA male to MMCX plug cable assembly operates to 6 GHz. The right angle MMCX interface on the RG405 cable allows for easier connections in tight spaces.

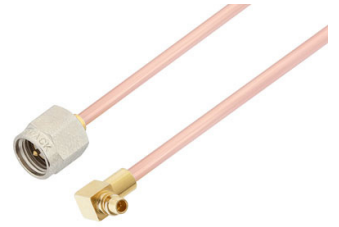
Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector 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	

Specifications by Frequency

SMA Male to MMCX Plug Right Angle Cable Using RG405 Coax



PE3C1561

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	250	500	1000	2500	6000	MHz	
PE3C1561	Custom Lengths Available	Insertion Loss (Typ.)	0.055	0.11	0.22	0.317	0.542	dB/ft	
			0.19	0.37	0.73	1.05	1.78	dB/m	
PE3C1561-6	6 inch	Insertion Loss (Typ.)	0.33	0.36	0.41	0.46	0.58	dB	0.023
PE3C1561-12	18 inch	Insertion Loss (Typ.)	0.36	0.41	0.52	0.62	0.85	dB	0.029
PE3C1561-18	12 inch	Insertion Loss (Typ.)	0.39	0.47	0.63	0.78	1.12	dB	0.036
PE3C1561-24	24 inch	Insertion Loss (Typ.)	0.41	0.52	0.74	0.94	1.39	dB	0.043
PE3C1561-36	36 inch	Insertion Loss (Typ.)	0.47	0.63	0.96	1.26	1.93	dB	0.056

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: 0.029 pounds
 Additional Weight per Inch: 0.00109 pounds

Mechanical Specifications

Cable Assembly

Weight 0.029 lbs [13.15 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
 Shield Layer 1 Copper
 Jacket Material Tan

SMA Male to MMCX Plug Right Angle Cable Using RG405 Coax



PE3C1561

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	MMCX Plug Right Angle
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 in.	
Torque	5 in-lbs 0.57 Nm	

Environmental Specifications

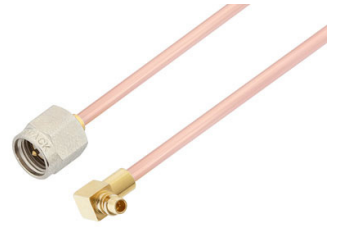
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Values at 25°C, sea level.

SMA Male to MMCX Plug Right Angle Cable Using RG405 Coax



PE3C1561

Typical Performance Data

How to Order

Part Number Configuration:

PE3C1561

- xx

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3C1561-12 = 12 inches long cable
PE3C1561-100cm = 100 cm long cable

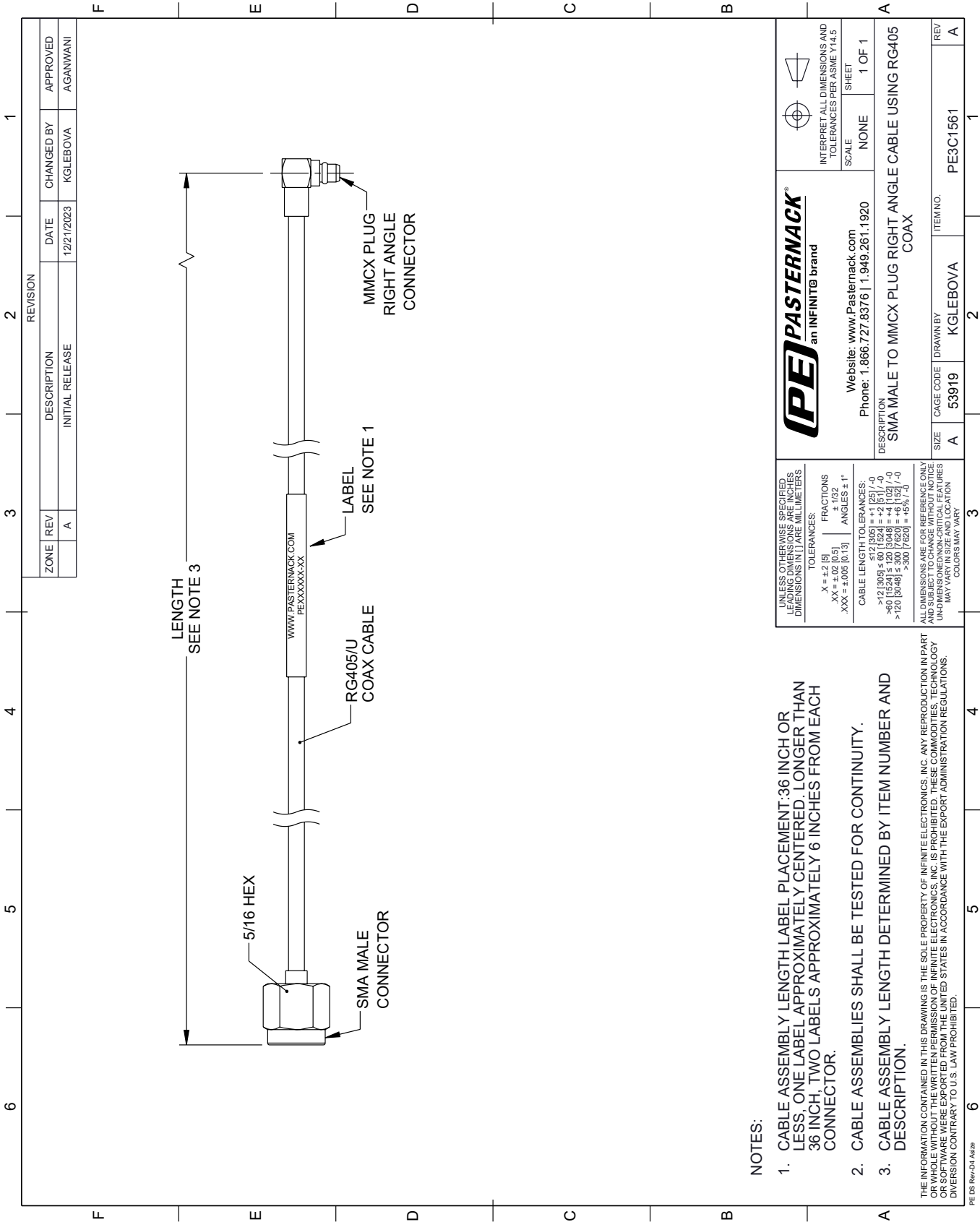
SMA Male to MMCX Plug Right Angle Cable Using RG405 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to MMCX Plug Right Angle Cable Using RG405 Coax PE3C1561](#)

URL: <https://www.pasternack.com/sma-male-to-mmcx-plug-cable-using-rg405-pe3c1561-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.

PE3C1561 CAD Drawing
SMA Male to MMCX Plug Right Angle Cable Using RG405 Coax



- 1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- 2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM NUMBER AND DESCRIPTION.

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