

SMA Male to SMP Female Right Angle Cable Using RG196 Coax



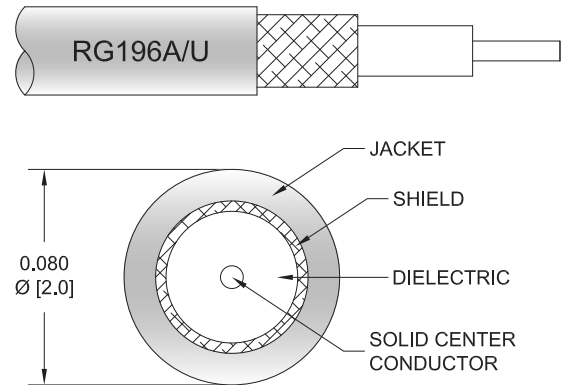
PE3W01466

Configuration

- Connector 1: SMA Male
- Connector 2: SMP Female Right Angle
- Cable Type: RG196
- Coax Flex Type: Flexible

Features

- Max Frequency 1 GHz
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W01466 SMA male to SMP female right angle cable using RG196 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 SMA to SMP cable assembly has a male to female gender configuration with 50 ohm flexible RG196 coax. The PE3W01466 SMA male to SMP female cable assembly operates to 1 GHz. The right angle SMP interface on the RG196 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		1,000	MHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

SMA Male to SMP Female Right Angle Cable Using RG196 Coax



PE3W01466

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	50	100	250	500	1000	MHz	
PE3W01466	Custom Lengths Available	Insertion Loss (Typ.)	0.041	0.083	0.206	0.413	0.825	dB/ft	
			0.14	0.28	0.68	1.36	2.71	dB/m	
PE3W01466-12	12 inch	Insertion Loss (Typ.)	0.35	0.39	0.51	0.72	1.13	dB	0.029
PE3W01466-24	24 inch	Insertion Loss (Typ.)	0.39	0.47	0.72	1.13	1.95	dB	0.035
PE3W01466-36	36 inch	Insertion Loss (Typ.)	0.43	0.55	0.92	1.54	2.78	dB	0.04
PE3W01466-48	48 inch	Insertion Loss (Typ.)	0.47	0.64	1.13	1.96	3.6	dB	0.045
PE3W01466-72	72 inch	Insertion Loss (Typ.)	0.55	0.8	1.54	2.78	5.25	dB	0.055

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:	0.00042 pounds

Mechanical Specifications

Cable Assembly

Weight	0.029 lbs [13.15 g]
--------	---------------------

Cable

Cable Type	RG196
Impedance	50 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
Jacket Material	PTFE, White
Jacket Diameter	0.08 in [2.03 mm]

SMA Male to SMP Female Right Angle Cable Using RG196 Coax



PE3W01466

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMP Female Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 µin minimum	MIL-DTL-45204
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Beryllium Copper, Gold
Outer Conductor Plating Specification		MIL-DTL-45204
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification	100 µin minimum	MIL-DTL-45204
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

Operating Range Temperature -55 to +155 deg C

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

Plotted and Other Data

Notes:

SMA Male to SMP Female Right Angle Cable Using RG196 Coax



PE3W01466

Typical Performance Data

How to Order

Part Number Configuration:

PE3W01466

- xx

uu

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

Length
Base Number

Example: PE3W01466-12 = 12 inches long cable
PE3W01466-100cm = 100 cm long cable

SMA Male to SMP Female Right Angle Cable Using RG196 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 SMP Female Right Angle Cable Using RG196 Coax PE3W01466](#)

URL: <https://www.pasternack.com/sma-male-to-smp-female-cable-using-rg196-pe3w01466-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.

PE3W01466 CAD Drawing

SMA Male to SMP Female Right Angle Cable Using RG196 Coax

