



SMA Male to SMB Plug Right Angle Cable Using RG196 Coax

RF Cable Assemblies Technical Data Sheet

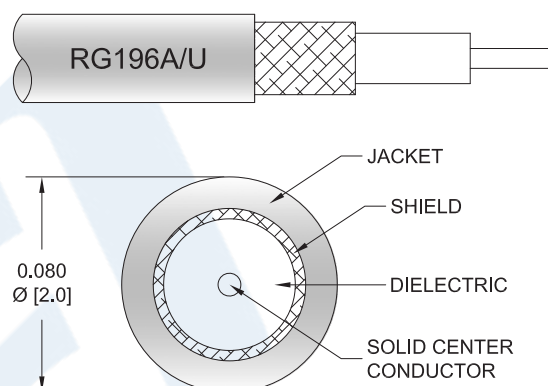
PE3W10340

Configuration

- Connector 1: SMA Male
- Connector 2: SMB Plug Right Angle
- Cable Type: RG196

Features

- Max Frequency 1 GHz
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W10340 SMA male to SMB plug 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 SMB cable assembly has a male to plug gender configuration with 50 ohm flexible RG196 coax. The PE3W10340 SMA male to SMB plug cable assembly operates to 1 GHz. The right angle SMB 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.

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 SMB Plug Right Angle Cable Using RG196 Coax PE3W10340](#)



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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

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Insertion Loss (Typ.)	0.33					dB/ft
	1.08					dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Weight 0.03 lbs [13.61 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 Braid
 Jacket Material PTFE, White
 Jacket Diameter 0.08 in [2.03 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMB Plug Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 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

Temperature

Operating Range -55 to +165 deg C

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

Plotted and Other Data

Notes:

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PE3W10340

How to Order

Part Number Configuration:

PE3W10340

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W10340-12 = 12 inches long cable
PE3W10340-100cm = 100 cm long cable

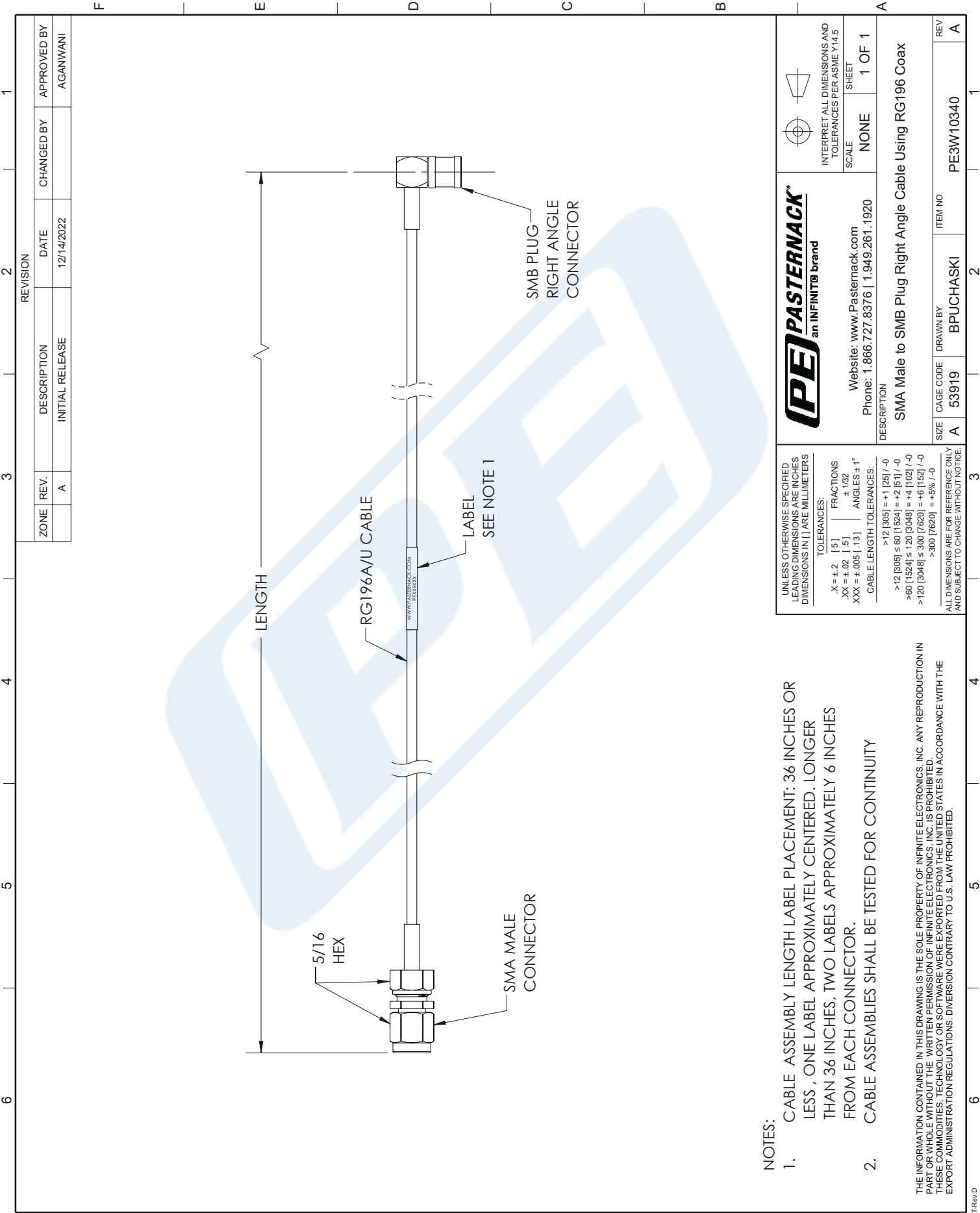
SMA Male to SMB Plug Right Angle Cable Using RG196 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 SMB Plug Right Angle Cable Using RG196 Coax PE3W10340](https://www.pasternack.com/sma-male-to-smb-plug-right-angle-cable-using-rg196-pe3w10340-p.aspx)

URL: <https://www.pasternack.com/sma-male-to-smb-plug-cable-using-rg196-pe3w10340-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE3W10340 CAD Drawing
SMA Male to SMB Plug Right Angle Cable Using RG196 Coax



NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY
- THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	
X = ±.2 [.5]	FRACTIONS ± 1/32
.XX = ±.02 [.5]	ANGLES ± 1°
XXX = ±.005 [.13]	
CABLE LENGTH TOLERANCES:	
>12 [305] = +1 [25] / -0	
>12 [305] ≤ 60 [1524] = +2 [51] / -0	
>60 [1524] ≤ 120 [3048] = +4 [102] / -0	
>120 [3048] ≤ 300 [7620] = +6 [152] / -0	
>300 [7620] = +5% / -0	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.	



Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION SMA Male to SMB Plug Right Angle Cable Using RG196 Coax	
SIZE A	CAGE CODE 53919
DRAWN BY BPUCHASKI	
ITEM NO. PE3W10340	
REV A	

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
SCALE NONE	SHEET 1 OF 1