



SMA Female Bulkhead to SMB Plug Right Angle Cable Using RG196 Coax

RF Cable Assemblies Technical Data Sheet

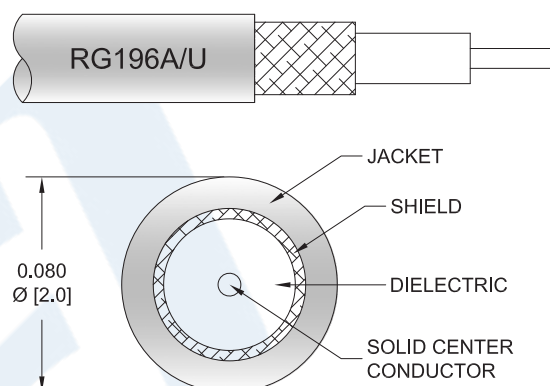
PE3C6975

Configuration

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

Features

- Max Frequency 1 GHz
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6975 SMA female bulkhead 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 female to plug gender configuration with 50 ohm flexible RG196 coax. The PE3C6975 SMA female 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. Our RF cable assembly with SMA bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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 Female Bulkhead to SMB Plug Right Angle Cable Using RG196 Coax PE3C6975](#)



SMA Female Bulkhead to SMB Plug
Right Angle Cable Using RG196 Coax

RF Cable Assemblies Technical Data Sheet

PE3C6975

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	500	1,000				MHz
Insertion Loss (Typ.)	0.522	0.55				dB/ft
	1.71	1.8				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 SMA female connector and 0.2 dB for the SMB plug connector.

Mechanical Specifications

Cable Assembly

Weight 0.024 lbs [10.89 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]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead to SMB Plug Right Angle Cable Using RG196 Coax PE3C6975](#)



SMA Female Bulkhead to SMB Plug Right Angle Cable Using RG196 Coax

RF Cable Assemblies Technical Data Sheet

PE3C6975

Connectors

Description	Connector 1	Connector 2
Type	SMA Female Bulkhead	SMB Plug Right Angle
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification		30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Gold	
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification		100 µin minimum
Coupling Nut Material and Plating	Brass, Gold	

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead to SMB Plug Right Angle Cable Using RG196 Coax PE3C6975](#)



SMA Female Bulkhead to SMB Plug Right Angle Cable Using RG196 Coax

RF Cable Assemblies Technical Data Sheet

PE3C6975

How to Order

Part Number Configuration:

PE3C6975

- **xx**

uu

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

Example: PE3C6975-12 = 12 inches long cable
PE3C6975-100cm = 100 cm long cable

SMA Female Bulkhead 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 Female Bulkhead to SMB Plug Right Angle Cable Using RG196 Coax PE3C6975](https://www.pasternack.com/sma-female-bulkhead-to-smb-plug-cable-using-rg196-pe3c6975-p.aspx)

URL: <https://www.pasternack.com/sma-female-bulkhead-to-smb-plug-cable-using-rg196-pe3c6975-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.

PE3C6975 CAD Drawing

SMA Female Bulkhead to SMB Plug Right Angle Cable Using RG196 Coax

