



Reverse Polarity SMA Plug Right Angle to SMA Male Cable Using RG316 Coax

RF Cable Assemblies Technical Data Sheet

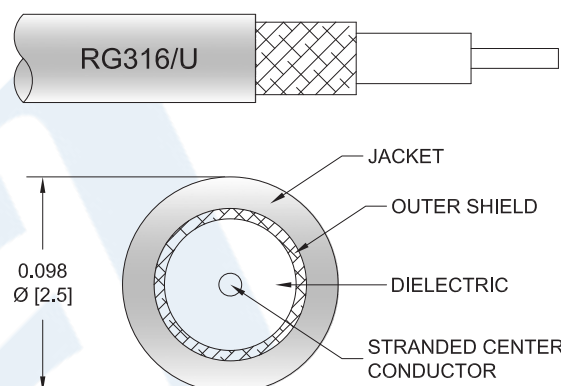
PE3W09582

Configuration

- Connector 1: SMA Plug Reverse Polarity Right Angle
- Connector 2: SMA Male
- Cable Type: RG316

Features

- 69% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W09582 reverse polarity SMA plug right angle to SMA male cable using RG316 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 reverse polarity SMA to SMA cable assembly has a plug to male gender configuration with 50 ohm flexible RG316 coax. The right angle SMA interface on the RG316 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
Velocity of Propagation		69		%
Jacket Spark			2,000	Vrms

Mechanical Specifications

Cable Assembly

Weight 0.031 lbs [14.06 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Plug Right Angle to SMA Male Cable Using RG316 Coax PE3W09582](#)



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Cable

Cable Type	RG316
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	FEP, Tan
Jacket Diameter	0.102 in [2.59 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Plug Reverse Polarity Right Angle	SMA Male
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Gold	Brass, Gold
Contact Plating Specification	MIL-G-45204	
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Stainless Steel
Body Plating Specification	QQ-N-290	
Coupling Nut Material and Plating	Brass, Nickel	Stainless Steel
Coupling Nut Plating Specification	QQ-N-290	
Hex Size	5/16 inch	
Torque	3 in-lbs [0.34 Nm]	

Environmental Specifications

Temperature

Operating Range	-55 to +200 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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PE3W09582

How to Order

Part Number Configuration:

PE3W09582

- **xx**

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

Example: PE3W09582-12 = 12 inches long cable
PE3W09582-100cm = 100 cm long cable

Reverse Polarity SMA Plug Right Angle to SMA Male Cable Using RG316 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: [Reverse Polarity SMA Plug Right Angle to SMA Male Cable Using RG316 Coax PE3W09582](https://www.pasternack.com/reverse-polarity-sma-plug-right-angle-to-sma-male-cable-using-rg316-pe3w09582-p.aspx)

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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.

PE3W09582 CAD Drawing

Reverse Polarity SMA Plug Right Angle to SMA Male Cable Using RG316 Coax

