

Reverse Polarity SMA Plug to Reverse Polarity SMA Jack Bulkhead Cable Using RG316 Coax

PE35474

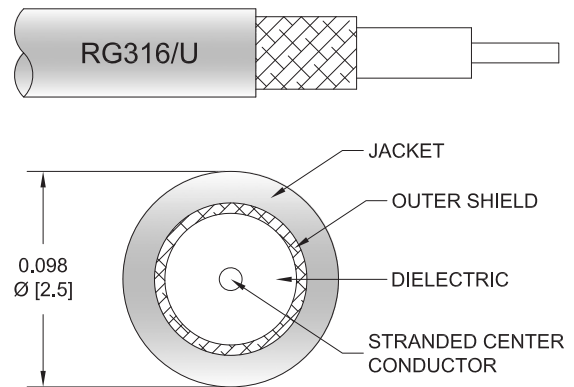


Configuration

- Connector 1: SMA Plug Reverse Polarity
- Connector 2: SMA Jack Reverse Polarity Bulkhead
- Cable Type: RG316
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE35474 reverse polarity SMA plug to reverse polarity SMA jack bulkhead 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 reverse polarity SMA cable assembly has a plug to jack gender configuration with 50 ohm flexible RG316 coax. The PE35474 reverse polarity SMA plug to reverse polarity SMA jack cable assembly operates to 3 GHz. 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	3000	MHz	
PE35474	Custom Lengths Available	Insertion Loss (Typ.)	0.11	0.16	0.23	0.38	0.58	dB/ft	
			0.37	0.53	0.76	1.25	1.91	dB/m	
PE35474-12	12 inch	Insertion Loss (Typ.)	0.31	0.36	0.43	0.58	0.78	dB	0.033
PE35474-24	24 inch	Insertion Loss (Typ.)	0.42	0.52	0.66	0.96	1.36	dB	0.044
PE35474-36	36 inch	Insertion Loss (Typ.)	0.53	0.68	0.89	1.34	1.94	dB	0.054
PE35474-48	48 inch	Insertion Loss (Typ.)	0.64	0.84	1.12	1.72	2.52	dB	0.064
PE35474-72	72 inch	Insertion Loss (Typ.)	0.86	1.16	1.58	2.48	3.68	dB	0.084

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:	0.1 dB
Base Weight:	0.033 pounds
Additional Weight per Inch:	0.00084 pounds

Mechanical Specifications

Cable Assembly

Weight	0.033 lbs [14.97 g]
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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	0.098 in [2.49 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Plug Reverse Polarity	SMA Jack Reverse Polarity Bulkhead
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Gold	Brass, Gold
Contact Plating Specification	MIL-G-45204	50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	QQ-N-290	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	QQ-N-290	
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.

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PE35474

Typical Performance Data

How to Order

Part Number Configuration:

PE35474

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

Length

Base Number

Example: PE35474-12 = 12 inches long cable
PE35474-100cm = 100 cm long cable

Reverse Polarity SMA Plug to Reverse Polarity SMA Jack Bulkhead 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 to Reverse Polarity SMA Jack Bulkhead Cable Using RG316 Coax PE35474](https://www.pasternack.com/reverse-polarity-sma-plug-to-reverse-polarity-sma-jack-bulkhead-cable-using-rg316-pe35474-p.aspx)

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