

## Reverse Polarity SMA Plug Right Angle to SMA Female Bulkhead Cable Using RG178 Coax



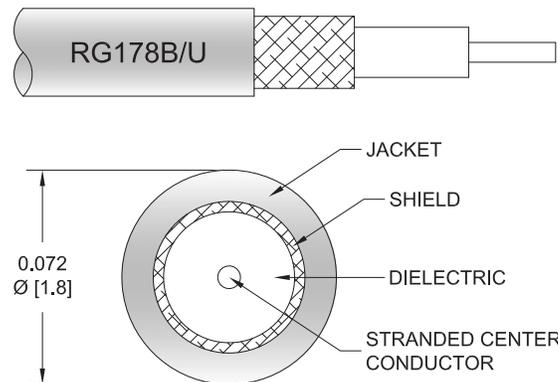
### PE3W16742

#### Configuration

- Connector 1: SMA Plug Reverse Polarity Right Angle
- Connector 2: SMA Female Bulkhead
- Cable Type: RG178
- Coax Flex Type: Flexible

#### Features

- 70% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W16742 reverse polarity SMA plug right angle to SMA female bulkhead cable using RG178 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 female gender configuration with 50 ohm flexible RG178 coax. The right angle SMA interface on the RG178 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.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

#### Mechanical Specifications

##### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.032 lbs [14.51 g]

##### Cable

Cable Type	RG178
Impedance	50 Ohms
Inner Conductor Type	Stranded

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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	0.072 in [1.83 mm]
Repeated Minimum Bend Radius	0.4 in [10.16 mm]

### Connectors

Description	Connector 1	Connector 2
Type	SMA Plug Reverse Polarity Right Angle	SMA Female Bulkhead
Specification	MIL-C-39012	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Gold	Gold
Contact Plating Specification	MIL-G-45204	MIL-G-45204
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		QQ-N-290
Coupling Nut Material and Plating	Brass, Nickel	
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:

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### PE3W16742

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3W16742**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3W16742-12 = 12 inches long cable  
PE3W16742-100cm = 100 cm long cable

Reverse Polarity SMA Plug Right Angle to SMA Female Bulkhead Cable Using RG178 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 Female Bulkhead Cable Using RG178 Coax PE3W16742](https://www.pasternack.com/reverse-polarity-sma-plug-right-angle-to-sma-female-bulkhead-cable-using-rg178-pe3w16742-p.aspx)

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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.

# PE3W16742 CAD Drawing

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