



## Reverse Polarity SMA Plug Right Angle to Reverse Polarity SMA Jack Bulkhead Cable Using RG174 Coax

### RF Cable Assemblies Technical Data Sheet

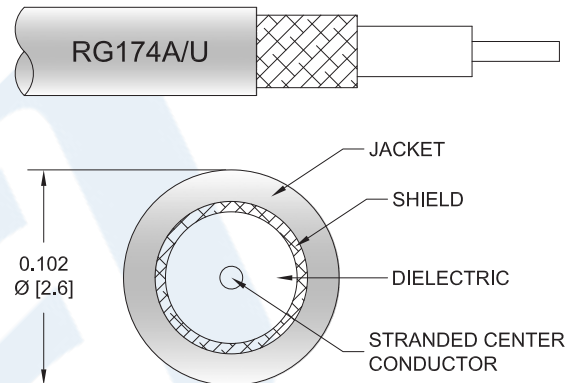
**PE35027**

#### Configuration

- Connector 1: SMA Plug Reverse Polarity Right Angle
- Connector 2: SMA Jack Reverse Polarity Bulkhead
- Cable Type: RG174
- Coax Flex Type: Flexible

#### Features

- 66% Phase Velocity
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE35027 reverse polarity SMA plug right angle to reverse polarity SMA jack bulkhead cable using RG174 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 RG174 coax. The right angle SMA interface on the RG174 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 |         | 66            |         | %            |
| Capacitance             |         | 30.8 [101.05] |         | pF/ft [pF/m] |

#### Mechanical Specifications

##### Cable Assembly

Weight 0.035 lbs [15.88 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 Reverse Polarity SMA Jack Bulkhead Cable Using RG174 Coax PE35027](#)



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#### Cable

|                                      |                     |
|--------------------------------------|---------------------|
| Cable Type                           | RG174               |
| Impedance                            | 50 Ohms             |
| Inner Conductor Type                 | Stranded            |
| Inner Conductor Material and Plating | Copper Clad Steel   |
| Dielectric Type                      | PE (LD)             |
| Number of Shields                    | 1                   |
| Shield Layer 1                       | Tinned Copper Braid |
| Jacket Material                      | PVC, Black          |
| Jacket Diameter                      | 0.1 in [2.54 mm]    |

#### Connectors

| Description                        | Connector 1                           | Connector 2                        |
|------------------------------------|---------------------------------------|------------------------------------|
| Type                               | SMA Plug Reverse Polarity Right Angle | SMA Jack Reverse Polarity Bulkhead |
| Specification                      | MIL-STD-348                           |                                    |
| Impedance                          | 50 Ohms                               | 50 Ohms                            |
| 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]                    |                                    |

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

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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**PE35027**

**How to Order**

Part Number Configuration:

**PE35027**

- **xx**

**uu**

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

Example: PE35027-12 = 12 inches long cable  
PE35027-100cm = 100 cm long cable

Reverse Polarity SMA Plug Right Angle to Reverse Polarity SMA Jack Bulkhead Cable Using RG174 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 Reverse Polarity SMA Jack Bulkhead Cable Using RG174 Coax PE35027](https://www.pasternack.com/reverse-polarity-sma-plug-right-angle-to-reverse-polarity-sma-jack-bulkhead-cable-using-rg174-pe35027-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.

# PE35027 CAD Drawing

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