

## SMP Female Right Angle to Straight Cut Lead Cable Using RG178 Coax



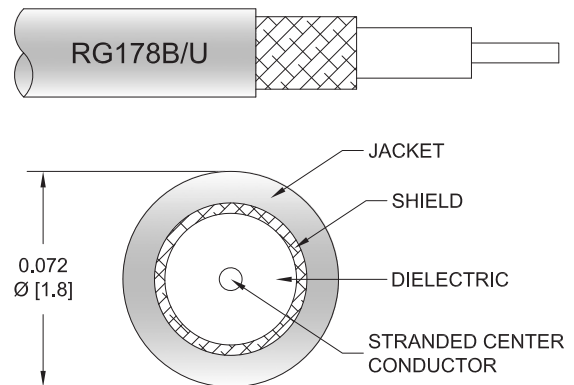
### PE3C9563

#### Configuration

- Connector 1: SMP Female Right Angle
- Connector 2: Straight Cut Lead
- Cable Type: RG178
- Coax Flex Type: Flexible

#### Features

- 70% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C9563 50 ohm SMP female right angle to straight cut lead 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. The right angle SMP interface on the RG178 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 |         | 70           |         | %            |
| Capacitance             |         | 29.4 [96.46] |         | pF/ft [pF/m] |

#### Mechanical Specifications

##### Cable Assembly

|                |                   |
|----------------|-------------------|
| Width/Diameter | 0.5 in [12.7 mm]  |
| Weight         | 0.01 lbs [4.54 g] |

##### Cable

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | RG178                     |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Stranded                  |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 1                         |

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|                              |                            |
|------------------------------|----------------------------|
| 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                          | SMP Female Right Angle | Straight Cut Lead |
| Specification                 | MIL-STD-348            |                   |
| Impedance                     | 50 Ohms                | 0 Ohms            |
| Configuration                 | Right Angle            | Straight          |
| Contact Material and Plating  | Beryllium Copper, Gold |                   |
| Contact Plating Specification | MIL-G-45204            |                   |
| Dielectric Type               | PTFE                   |                   |
| Body Material and Plating     | Beryllium Copper, Gold |                   |
| Body Plating Specification    | MIL-G-45204            |                   |

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:

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### PE3C9563

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3C9563**

**- xx**

**uu**

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

Length

Base Number

Example: PE3C9563-12 = 12 inches long cable  
PE3C9563-100cm = 100 cm long cable

SMP Female Right Angle to Straight Cut Lead 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: [SMP Female Right Angle to Straight Cut Lead Cable Using RG178 Coax PE3C9563](#)

URL: <https://www.pasternack.com/smp-female-right-angle-to-straight-cut-lead-cable-using-rg178-pe3c9563-p.aspx>

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.

PE3C9563 CAD Drawing

SMP Female Right Angle to Straight Cut Lead Cable Using RG178 Coax

