

SMP Female Right Angle to SSMA Female Bulkhead Cable Using RG178 Coax



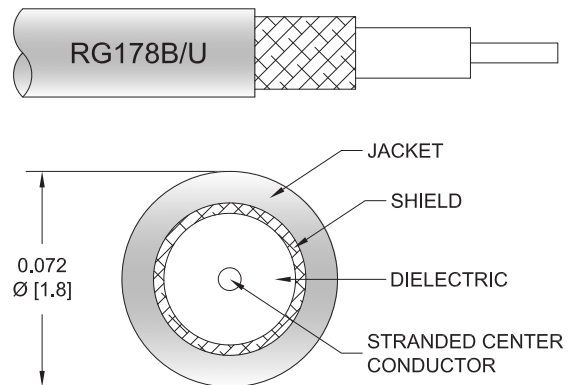
PE3W16833

Configuration

- Connector 1: SMP Female Right Angle
- Connector 2: SSMA Female Bulkhead
- Cable Type: RG178
- Coax Flex Type: Flexible

Features

- 70% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W16833 SMP female right angle to SSMA 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 SMP to SSMA cable assembly has a female to female gender configuration with 50 ohm flexible RG178 coax. The right angle SMP interface on the RG178 cable allows for easier connections in tight spaces. Our RF cable assembly with SSMA 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	0.016 lbs [7.26 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	SMP Female Right Angle	SSMA Female Bulkhead
Specification	MIL-STD-348A	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Beryllium Copper, Gold	Gold
Contact Plating Specification	MIL-DTL-45204	MIL-G-45204
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Beryllium Copper, Gold	
Outer Conductor Plating Specification	MIL-DTL-45204	
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification	MIL-DTL-45204	QQ-N-290

Environmental Specifications

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

Plotted and Other Data

Notes:

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PE3W16833

Typical Performance Data

How to Order

Part Number Configuration: **PE3W16833** **- xx** **uu**

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

Length

Base Number

Example: PE3W16833-12 = 12 inches long cable
PE3W16833-100cm = 100 cm long cable

SMP Female Right Angle to SSMA 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: [SMP Female Right Angle to SSMA Female Bulkhead Cable Using RG178 Coax PE3W16833](#)

URL: <https://www.pasternack.com/smp-female-right-angle-to-ssma-female-bulkhead-cable-using-rg178-pe3w16833-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.

PE3W16833 CAD Drawing
SMP Female Right Angle to SSMA Female Bulkhead Cable Using RG178 Coax

