

50 Ohm SMB Plug to 75 Ohm SMC Jack Bulkhead Cable Using 75 Ohm RG187 Coax

PE3C0945

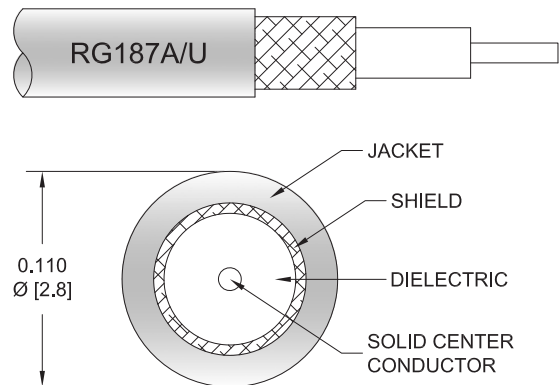


Configuration

- Connector 1: SMB Plug
- Connector 2: SMC Jack Bulkhead
- Cable Type: RG187
- Coax Flex Type: Flexible

Features

- 69.5% Phase Velocity
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C0945 50 ohm SMB plug to 75 ohm SMC jack bulkhead cable using 75 ohm RG187 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 SMB to SMC cable assembly has a plug to jack gender configuration with 75 ohm flexible RG187 coax. Our RF cable assembly with SMC 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		69.5		%
Capacitance		22 [72.18]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.038 lbs [17.24 g]

Cable

Cable Type	RG187
Impedance	75 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE

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Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	PTFE, White
Jacket Diameter	0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMB Plug	SMC Jack Bulkhead
Specification	MIL-STD-348A	MIL-STD-348
Impedance	50 Ohms	75 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold	Gold
Contact Plating Specification	30 µin minimum	MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	QQ-N-290
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	

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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Typical Performance Data

How to Order

Part Number Configuration:

PE3C0945

- xx

uu

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

Length
Base Number

Example: PE3C0945-12 = 12 inches long cable
PE3C0945-100cm = 100 cm long cable

50 Ohm SMB Plug to 75 Ohm SMC Jack Bulkhead Cable Using 75 Ohm RG187 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: [50 Ohm SMB Plug to 75 Ohm SMC Jack Bulkhead Cable Using 75 Ohm RG187 Coax PE3C0945](https://www.pasternack.com/50-ohm-smb-plug-to-75-ohm-smc-jack-bulkhead-cable-using-rg187-pe3c0945-p.aspx)

URL: <https://www.pasternack.com/50-ohm-smb-plug-to-75-ohm-smc-jack-bulkhead-cable-using-rg187-pe3c0945-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.

PE3C0945 CAD Drawing
50 Ohm SMB Plug to 75 Ohm SMC Jack Bulkhead Cable Using 75 Ohm RG187 Coax

