

SSMB Jack Bulkhead to SMP Female Right Angle Cable Using RG196 Coax with HeatShrink



RF Cable Assemblies Technical Data Sheet

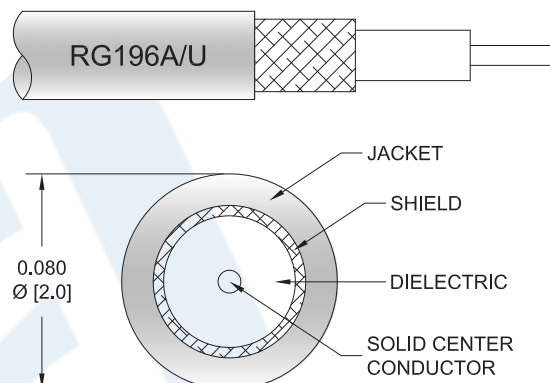
PE3W07011/HS

Configuration

- Connector 1: SSMB Jack Bulkhead
- Connector 2: SMP Female Right Angle
- Cable Type: RG196

Features

- Max Frequency 1 GHz
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W07011/HS SSMB jack bulkhead to SMP female right angle cable using RG196 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 SSMB to SMP cable assembly has a jack to female gender configuration with 50 ohm flexible RG196 coax. The PE3W07011/HS SSMB jack to SMP female cable assembly operates to 1 GHz. The right angle SMP interface on the RG196 cable allows for easier connections in tight spaces. Our RF cable assembly with SSMB 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMB Jack Bulkhead to SMP Female Right Angle Cable Using RG196 Coax with HeatShrink PE3W07011/HS](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Insertion Loss (Typ.)	0.33					dB/ft
	1.08					dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Weight 0.019 lbs [8.62 g]

Cable

Cable Type RG196
Impedance 50 Ohms
Inner Conductor Type Stranded
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 PTFE, White
Jacket Diameter 0.08 in [2.03 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SSMB Jack Bulkhead	SMP Female Right Angle
Specification	MIL-PRF-39012	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	MIL-PRF-39012	MIL-DTL-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, Gold
Body Plating Specification	MIL-PRF-39012	MIL-DTL-45204

Environmental Specifications

Temperature

Operating Range -55 to +155 deg C

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

Plotted and Other Data

Notes:

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PE3W07011/HS

How to Order

Part Number Configuration:

PE3W07011/HS

- **xx**

uu

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

Example: PE3W07011/HS-12 = 12 inches long cable
PE3W07011/HS-100cm = 100 cm long cable

SSMB Jack Bulkhead to SMP Female Right Angle Cable Using RG196 Coax with HeatShrink 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: [SSMB Jack Bulkhead to SMP Female Right Angle Cable Using RG196 Coax with HeatShrink PE3W07011/HS](https://www.pasternack.com/ssmb-jack-bulkhead-to-smp-female-cable-using-rg196-with-heatshrink-pe3w07011-hs-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.

PE3W07011/HS CAD Drawing

SSMB Jack Bulkhead to SMP Female Right Angle Cable
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