



RF Cable Assemblies Technical Data Sheet

PE3W07252/HS-200CM

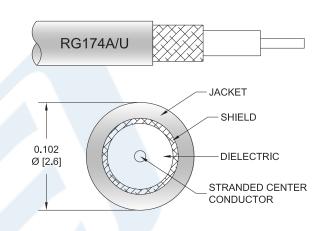
Configuration

Connector 1: SMA Male Right AngleConnector 2: SMA Female Bulkhead

Cable Type: RG174

Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket



Applications

· General Purpose

· Laboratory Use

Description

Pasternack's PE3W07252/HS-200CM SMA male right angle to SMA female bulkhead 200 cm 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 SMA to SMA cable assembly has a male to female gender configuration with 50 ohm flexible RG174 coax. The PE3W07252/HS-200CM SMA male to SMA female cable assembly operates to 1 GHz. 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
Frequency Range	DC		1,000	MHz
VSWR			1.5:1	
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male Right Angle to SMA Female Bulkhead Cable 200 cm Length Using RG174 Coax with HeatShrink PE3W07252/HS-200CM

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com





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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	500	1,000		MHz
Insertion Loss (Max.)	0.86	1.11	1.54	2.4		dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector loss.

Mechanical Specifications

Cable Assembly

Length* 78.74 in [200 cm]
Diameter 0.433 in [11 mm]

Cable

Cable Type RG174
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper Clad Steel
Dielectric Type PE
Number of Shields 1

Shield Layer 1 Tinned Copper Braid
Jacket Material PVC, Black
Jacket Diameter 0.11 in [2.79 mm]

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Connectors

Description	Connector 1	Connector 2 SMA Female Bulkhead		
Туре	SMA Male Right Angle			
Specification	MIL-STD-348A			
Impedance	50 Ohms	50 Ohms		
Contact Material and Plating	Brass, Nickel	Beryllium Copper, Gold		
Contact Plating Specification	50 μin minimum			
Dielectric Type	PTFE	PTFE		
Outer Conductor Material and Plating		Brass, Gold		
Body Material and Plating	Brass, Nickel	Brass, Gold		
Body Plating Specification	100 μin minimum			
Coupling Nut Material and Plating	Brass, Nickel			
Coupling Nut Plating Specification	100 μin minimum			
Hex Size	5/16 inch			

Mechanical Specification Notes:

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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^{*}All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.





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How to Order



Example: PE3W07252/HS-12 = 12 inches long cable PE3W07252/HS-100cm = 100 cm long cable

SMA Male Right Angle to SMA Female Bulkhead Cable 200 cm Length Using RG174 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.

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URL: https://www.pasternack.com/sma-male-sma-female-rg174au-cable-assembly-pe3w07252-hs-200cm-p.aspx

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.

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PE3W07252/HS-200CM CAD Drawing SMA Male Right Angle to SMA Female Bulkhead Cable 200 cm Length Using RG174 Coax with HeatShrink

