

SMA Male Right Angle to SMB Plug Cable Using RG188-DS Coax with HeatShrink



RF Cable Assemblies Technical Data Sheet

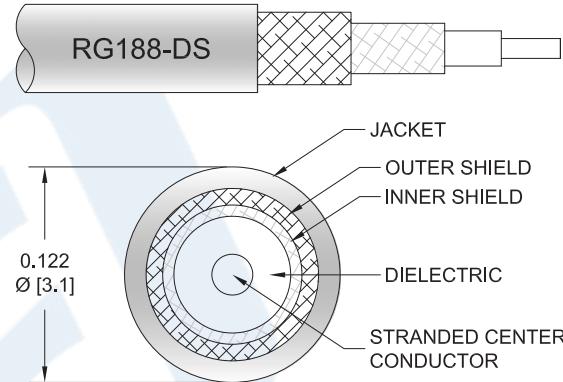
PE3W08836/HS

Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: SMB Plug
- Cable Type: RG188-DS

Features

- Max Frequency 3 GHz
- Double Shielded
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W08836/HS SMA male right angle to SMB plug cable using RG188-DS 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 SMB cable assembly has a male to plug gender configuration with 50 ohm flexible RG188-DS coax. The PE3W08836/HS SMA male to SMB plug cable assembly operates to 3 GHz. The right angle SMA interface on the RG188-DS cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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: [SMA Male Right Angle to SMB Plug Cable Using RG188-DS Coax with HeatShrink PE3W08836/HS](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Capacitance	32 [104.99]			pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			750	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.115 0.38	0.145 0.48	0.197 0.65	0.3 0.98	0.545 1.79	dB/ft dB/m

Electrical Specification Notes:

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

Mechanical Specifications

Cable Assembly

Weight 0.108 lbs [48.99 g]

Cable

Cable Type RG188-DS
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper Clad Steel, Silver PTFE
 Dielectric Type PTFE
 Number of Shields 2
 Shield Layer 1 Silver Plated Copper Braid
 Shield Layer 2 Silver Plated Copper Braid
 Jacket Material PTFE, White
 Jacket Diameter 0.118 in [3 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	SMB Plug
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 μ in minimum	30 μ in. minimum
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 μ in minimum	100 μ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 μ in minimum	
Hex Size	5/16 inch	
Torque	3 in-lbs [0.34 Nm]	

Environmental Specifications

Temperature

Operating Range

-55 to +165 deg C

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

Plotted and Other Data

Notes:

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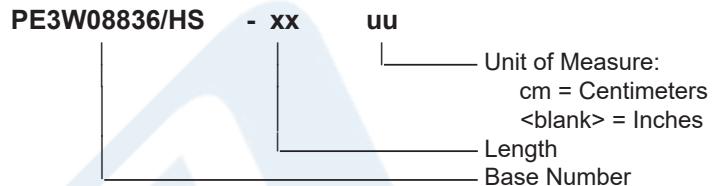


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How to Order

Part Number Configuration:



Example: PE3W08836/HS-12 = 12 inches long cable
PE3W08836/HS-100cm = 100 cm long cable

SMA Male Right Angle to SMB Plug Cable Using RG188-DS 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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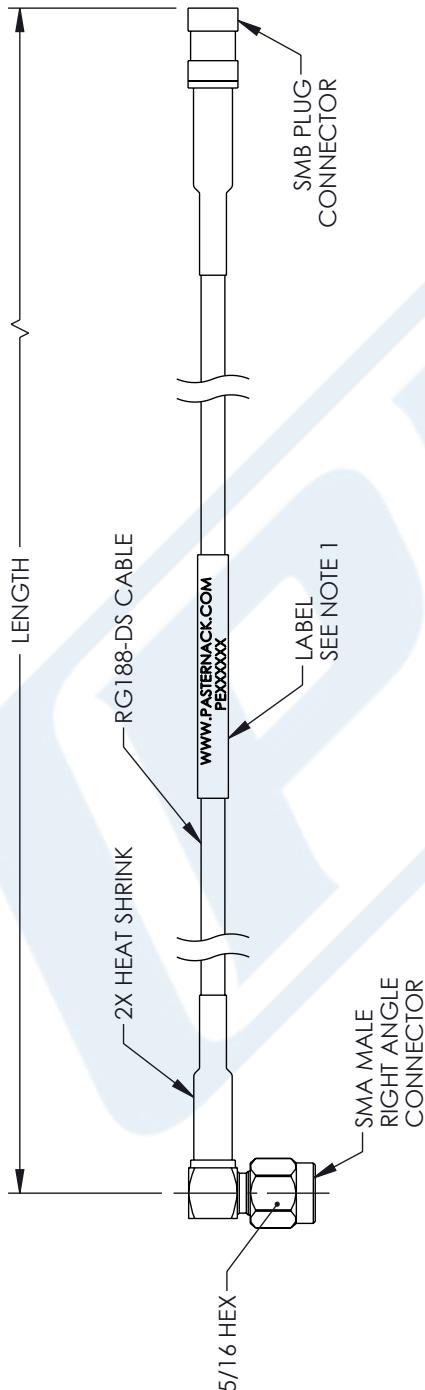
URL: <https://www.pasternack.com/sma-male-right-angle-to-smb-plug-cable-using-rg188-ds-with-heatshrink-pe3w08836-hs-p.aspx>

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.

PE3W08836/HS CAD Drawing

SMA Male Right Angle to SMB Plug Cable Using RG188-DS Coax with HeatShrink

ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	01/13/2023	KGLEBOVA	SRAUTUS



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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