



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

### RF Cable Assemblies Technical Data Sheet

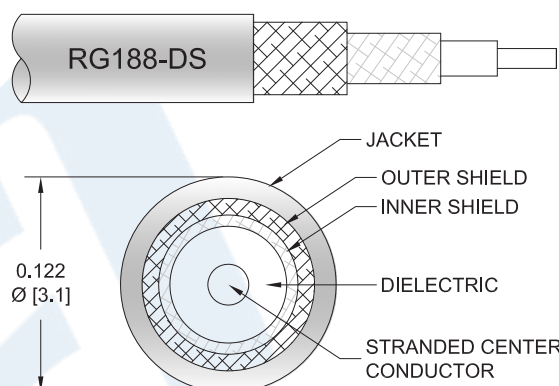
**PE3W08836/HS**

#### 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](#)



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

**RF Cable Assemblies Technical Data Sheet**

**PE3W08836/HS**

**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	0.145	0.197	0.3	0.545	dB/ft
	0.38	0.48	0.65	0.98	1.79	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  
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]

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](#)



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

### RF Cable Assemblies Technical Data Sheet

**PE3W08836/HS**

#### 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 µin minimum	30µ in. minimum
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100µ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin 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:

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](#)



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

### RF Cable Assemblies Technical Data Sheet

**PE3W08836/HS**

#### How to Order

Part Number Configuration:

**PE3W08836/HS**

- **xx**

**uu**

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

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.

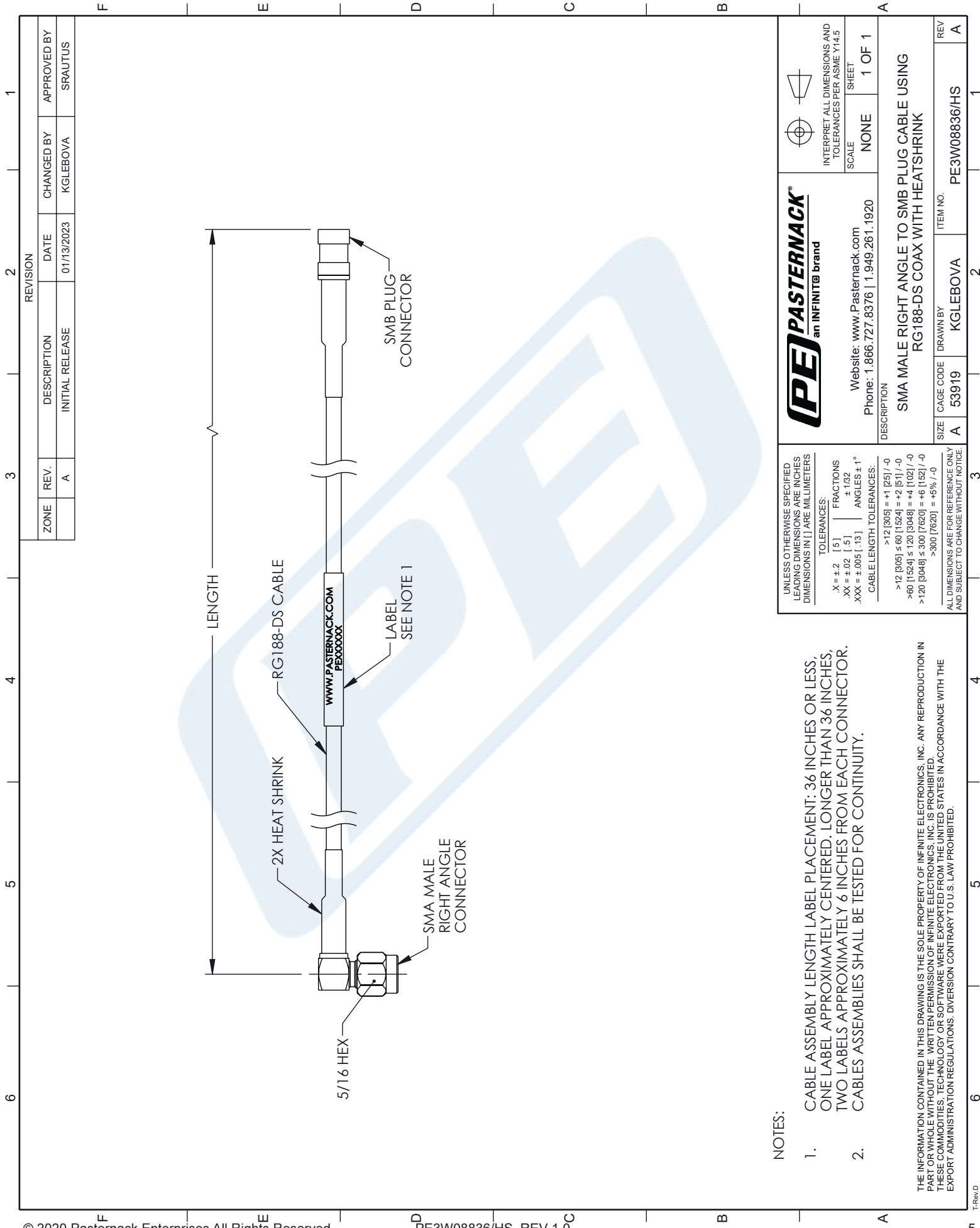
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to SMB Plug Cable Using RG188-DS Coax with HeatShrink PE3W08836/HS](#)

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



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.
- 2.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

**PASTERNAK**  
an INFINITE brand

Website: [www.Pasternack.com](http://www.Pasternack.com)  
Phone: 1.866.727.8376 | 1.949.261.1920

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
X = ±.2 [ .5 ] FRACTIONS  
.XX = ±.02 [ .5 ] ±.1/32  
.XXX = ±.005 [ .13 ] ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
>12 [305] = +1 [25] / -0  
>12 [305] ≤ 60 [1524] = +2 [51] / -0  
>60 [1524] ≤ 120 [3048] = +4 [102] / -0  
>120 [3048] ≤ 300 [7620] = +6 [152] / -0  
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY  
AND SUBJECT TO CHANGE WITHOUT NOTICE.

INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

DESCRIPTION  
SMA MALE RIGHT ANGLE TO SMB PLUG CABLE USING  
RG188-DS COAX WITH HEATSHRINK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	KGLEBOVA	PE3W08836/HS

REV A