



## SMA Male to SSMC Plug Right Angle Cable 200 cm Length Using RG188 Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

PE3W04934/HS-200CM

#### Configuration

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

#### Features

- Max Frequency 400 MHz
- PTFE Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W04934/HS-200CM SMA male to SSMC plug right angle 200 cm cable using RG188 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 SSMC cable assembly has a male to plug gender configuration with 50 ohm flexible RG188 coax. The PE3W04934/HS-200CM SMA male to SSMC plug cable assembly operates to 400 MHz. The right angle SSMC interface on the RG188 cable allows for easier connections in tight spaces.

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      |         | 400     | MHz   |
| VSWR            |         |         | 1.5:1   |       |

#### Specifications by Frequency

| Description           | F1    | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|----|----|----|----|-------|
| Frequency             | 400   |    |    |    |    | MHz   |
| Insertion Loss (Max.) | 1.611 |    |    |    |    | dB    |

#### Electrical Specification Notes:

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SSMC Plug Right Angle Cable 200 cm Length Using RG188 Coax with Heat-Shrink PE3W04934/HS-200CM](#)



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**Mechanical Specifications**

**Cable Assembly**

Length\*

78.74 in [200 cm]

**Cable**

Cable Type

RG188

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

0.11 in [2.79 mm]

**Connectors**

| Description                        | Connector 1        | Connector 2            |
|------------------------------------|--------------------|------------------------|
| Type                               | SMA Male           | SSMC Plug Right Angle  |
| Impedance                          | 50 Ohms            | 50 Ohms                |
| Mating Cycles                      |                    | 500                    |
| Contact Material and Plating       | Brass, Gold        | Beryllium Copper, Gold |
| Contact Plating Specification      |                    | MIL-G-45204            |
| Dielectric Type                    | PTFE               | Teflon                 |
| Body Material and Plating          | Brass, Gold        | Brass, Gold            |
| Body Plating Specification         |                    | MIL-G-45204            |
| Coupling Nut Material and Plating  | Brass, Gold        | Beryllium Copper, Gold |
| Coupling Nut Plating Specification |                    | MIL-G-45204            |
| Hex Size                           | 5/16 in            |                        |
| Torque                             | 5 in-lbs [0.57 Nm] | 1.75 in-lbs [0.2 Nm]   |

Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

**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 to SSMC Plug Right Angle Cable 200 cm Length Using RG188 Coax with Heat-Shrink PE3W04934/HS-200CM](#)



## SMA Male to SSMC Plug Right Angle Cable 200 cm Length Using RG188 Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

PE3W04934/HS-200CM

#### How to Order

Part Number Configuration:

**PE3W04934/HS**

- **xx**

**uu**

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

Example: PE3W04934/HS-12 = 12 inches long cable  
PE3W04934/HS-100cm = 100 cm long cable

SMA Male to SSMC Plug Right Angle Cable 200 cm Length Using RG188 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.

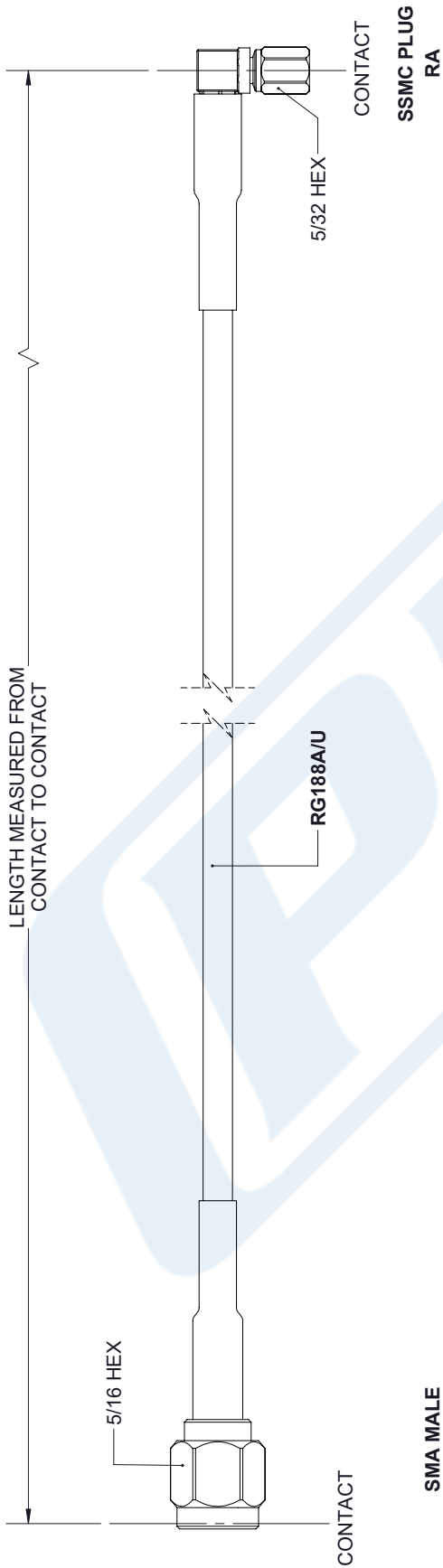
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SSMC Plug Right Angle Cable 200 cm Length Using RG188 Coax with HeatShrink PE3W04934/HS-200CM](https://www.pasternack.com/sma-male-ssmc-plug-rg188au-cable-assembly-pe3w04934-hs-200cm-p.aspx)

URL: <https://www.pasternack.com/sma-male-ssmc-plug-rg188au-cable-assembly-pe3w04934-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.

PE3W04934/HS-200CM CAD Drawing  
SMA Male to SSMC Plug Right Angle Cable 200 cm  
Length Using RG188 Coax with HeatShrink

| REVISIONS |                 |          |          |
|-----------|-----------------|----------|----------|
| REV.      | DESCRIPTION     | DATE     | APPROVED |
| A         | INITIAL RELEASE | 05/10/19 | SELLIS   |



|                                                                                                  |             |
|--------------------------------------------------------------------------------------------------|-------------|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS |             |
| TOLERANCES:                                                                                      | FRACTIONS   |
| X±.2 [5.08]                                                                                      | ±.132       |
| .XX±.01 [.25]                                                                                    | ±.132       |
| .XXX±.005 [.13]                                                                                  | ANGLES ± 1° |
| ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY.                                                  |             |
| THIRD-ANGLE PROJECTION                                                                           |             |

|                                                                                                                                                                                         |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>PE PASTERNAK</b><br>an INFINITI brand                                                                                                                                                |              |
| Pasternack Enterprises, Inc.<br>P.O. Box 16759, Irvine, CA 92623.<br>Phone: 1.949.261.1920   1.866.727.8376<br>Fax: 1.949.261.7451<br>www.pasternack.com   e-mail: sales@pasternack.com |              |
| SIZE                                                                                                                                                                                    | CAGE         |
| A                                                                                                                                                                                       | 53919        |
| DRAWN BY                                                                                                                                                                                | K.DANG       |
| PART NUMBER                                                                                                                                                                             | PE3W04934/HS |
| REV                                                                                                                                                                                     | A            |

|                                                                                                                        |        |
|------------------------------------------------------------------------------------------------------------------------|--------|
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| SHEET                                                                                                                  | 1 OF 1 |
| SCALE                                                                                                                  | N/A    |

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