



SMA Male to SSMC Plug Right Angle Cable Using RG188 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3W04934/HS

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 SMA male to SSMC plug right angle 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 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.) | 0.2 | | | | | dB/ft |
| | 0.66 | | | | | dB/m |

Electrical Specification Notes:

Insertion Loss does not include the loss of connectors. Insertion Loss is estimated as 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 Using RG188 Coax with HeatShrink PE3W04934/HS](#)



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Mechanical Specifications

Cable Assembly

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:

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PE3W04934/HS

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 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 Using RG188 Coax with HeatShrink PE3W04934/HS](#)

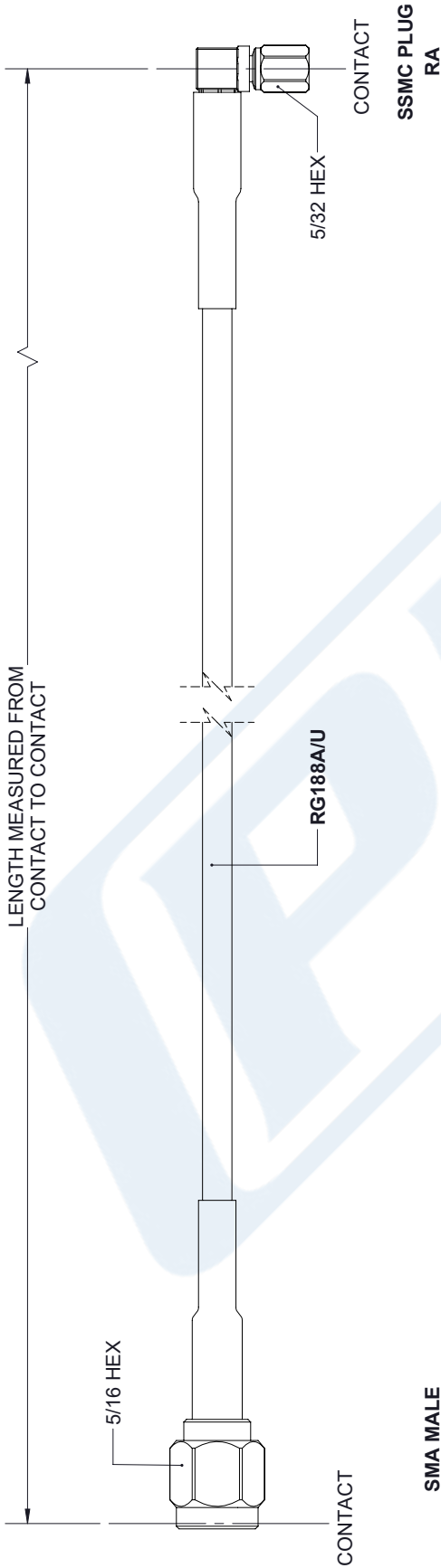
URL: <https://www.pasternack.com/sma-male-ssmc-plug-rg188au-cable-assembly-pe3w04934-hs-p.aspx>

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.

PE3W04934/HS CAD Drawing

SMA Male to SSMC Plug Right Angle Cable Using RG188 Coax with HeatShrink

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



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

| | |
|---|--------------|
| PE PASTERNAK an INFINITI brand | |
| Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 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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