



SMA Male to Reverse Polarity SMA Male Cable 200 cm Length Using RG188-DS Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

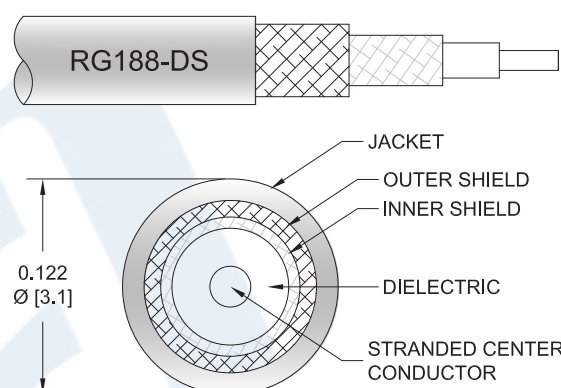
PE3W05475/HS-200CM

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Reverse Polarity
- Cable Type: RG188-DS

Features

- Max Frequency 3 GHz
- Double Shielded
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W05475/HS-200CM SMA male to reverse polarity SMA male 200 cm 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 reverse polarity SMA cable assembly has a male to male gender configuration with 50 ohm flexible RG188-DS coax. The PE3W05475/HS-200CM SMA male to reverse polarity SMA male cable assembly operates to 3 GHz. 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.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-----------------|---------|-------------|---------|--------------|
| Frequency Range | DC | | 3 | GHz |
| VSWR | | | 1.45:1 | |
| Capacitance | | 32 [104.99] | | 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 to Reverse Polarity SMA Male Cable 200 cm Length Using RG188-DS Coax with HeatShrink PE3W05475/HS-200CM](#)



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Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|-------|-------|-------|-------|
| Frequency | 0.25 | 0.5 | 1 | 2.5 | 3 | GHz |
| Insertion Loss (Max.) | 1.151 | 1.492 | 2.167 | 3.368 | 3.775 | 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 0.2dB of connector Loss

Mechanical Specifications

Cable Assembly

| | |
|----------|-------------------|
| Length* | 78.74 in [200 cm] |
| Diameter | 0.315 in [8 mm] |

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] |

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Connectors

| Description | Connector 1 | Connector 2 |
|------------------------------------|--------------------|---------------------------|
| Type | SMA Male | SMA Male Reverse Polarity |
| Specification | MIL-STD-348A | |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Gold |
| Contact Plating Specification | 30 µin minimum | |
| Dielectric Type | PTFE | PTFE |
| Body Material and Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Specification | 100 µin minimum | |
| Coupling Nut Material and Plating | Brass, Nickel | Brass, Nickel |
| Coupling Nut Plating Specification | 100 µin minimum | |
| Hex Size | 5/16 inch | 5/16 in |
| Torque | 3 in-lbs [0.34 Nm] | 5 in-lbs [0.57 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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PE3W05475/HS-200CM

How to Order

Part Number Configuration:

PE3W05475/HS

- xx

uu

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

Example: PE3W05475/HS-12 = 12 inches long cable
PE3W05475/HS-100cm = 100 cm long cable

SMA Male to Reverse Polarity SMA Male Cable 200 cm Length 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.

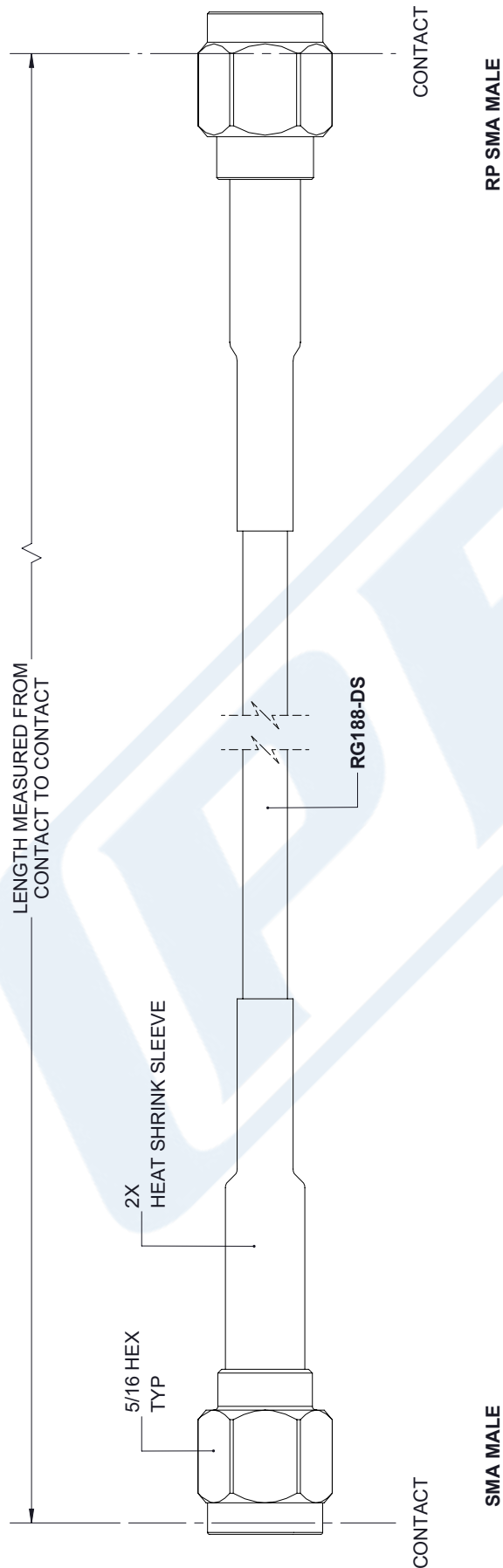
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to Reverse Polarity SMA Male Cable 200 cm Length Using RG188-DS Coax with HeatShrink PE3W05475/HS-200CM](https://www.pasternack.com/sma-male-sma-male-rg188-ds-cable-assembly-pe3w05475-hs-200cm-p.aspx)

URL: <https://www.pasternack.com/sma-male-sma-male-rg188-ds-cable-assembly-pe3w05475-hs-200cm-p.aspx>

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PE3W05475/HS-200CM CAD Drawing
SMA Male to Reverse Polarity SMA Male Cable 200 cm
Length Using RG188-DS Coax with HeatShrink

| REVISIONS | | | |
|-----------|-----------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 04/23/19 | SELLIS |



| | |
|--|-----------|
| 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 | PART NUMBER |
| A | PE3W05475/HS |
| CAGE | DRAWN BY |
| 53919 | K.DANG |
| REV | REV |
| | A |

| | |
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| SCALE | N/A |

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