

SSMC Plug Right Angle to SMA Male Cable
200 cm Length Using RG188-DS Coax



RF Cable Assemblies Technical Data Sheet

PE3W04994-200CM

Configuration

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

Features

- Max Frequency 6 GHz
- Double Shielded
- PTFE Jacket

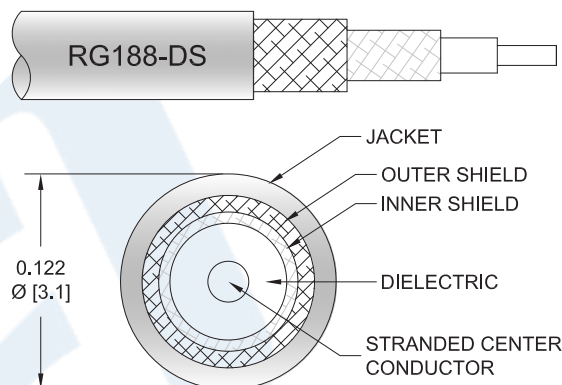
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W04994-200CM SSMC plug right angle to 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 SSMC to SMA cable assembly has a plug to male gender configuration with 50 ohm flexible RG188-DS coax. The PE3W04994-200CM SSMC plug to SMA male cable assembly operates to 6 GHz. The right angle SSMC 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: [SSMC Plug Right Angle to SMA Male Cable 200 cm Length Using RG188-DS Coax PE3W04994-200CM](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.5:1	
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	6	GHz
Insertion Loss (Max.)	1.38	2.27	2.59	4.19	5.81	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

Mechanical Specifications

Cable Assembly

Length*	78.74 in [200 cm]
Diameter	0.313 in [7.95 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	SSMC Plug Right Angle	SMA Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold
Contact Plating Specification	MIL-G-45204	30 µin minimum
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification	MIL-G-45204	100 µin minimum
Coupling Nut Material and Plating	Beryllium Copper, Gold	Brass, Nickel
Coupling Nut Plating Specification	MIL-G-45204	100 µin minimum
Hex Size		5/16 inch
Torque	1.75 in-lbs [0.2 Nm]	3 in-lbs [0.34 Nm]

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W04994

- **xx**

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

Example: PE3W04994-12 = 12 inches long cable
PE3W04994-100cm = 100 cm long cable

SSMC Plug Right Angle to SMA Male Cable 200 cm Length Using RG188-DS Coax 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: [SSMC Plug Right Angle to SMA Male Cable 200 cm Length Using RG188-DS Coax PE3W04994-200CM](https://www.pasternack.com/ssmc-plug-sma-male-rg188-ds-cable-assembly-pe3w04994-200cm-p.aspx)

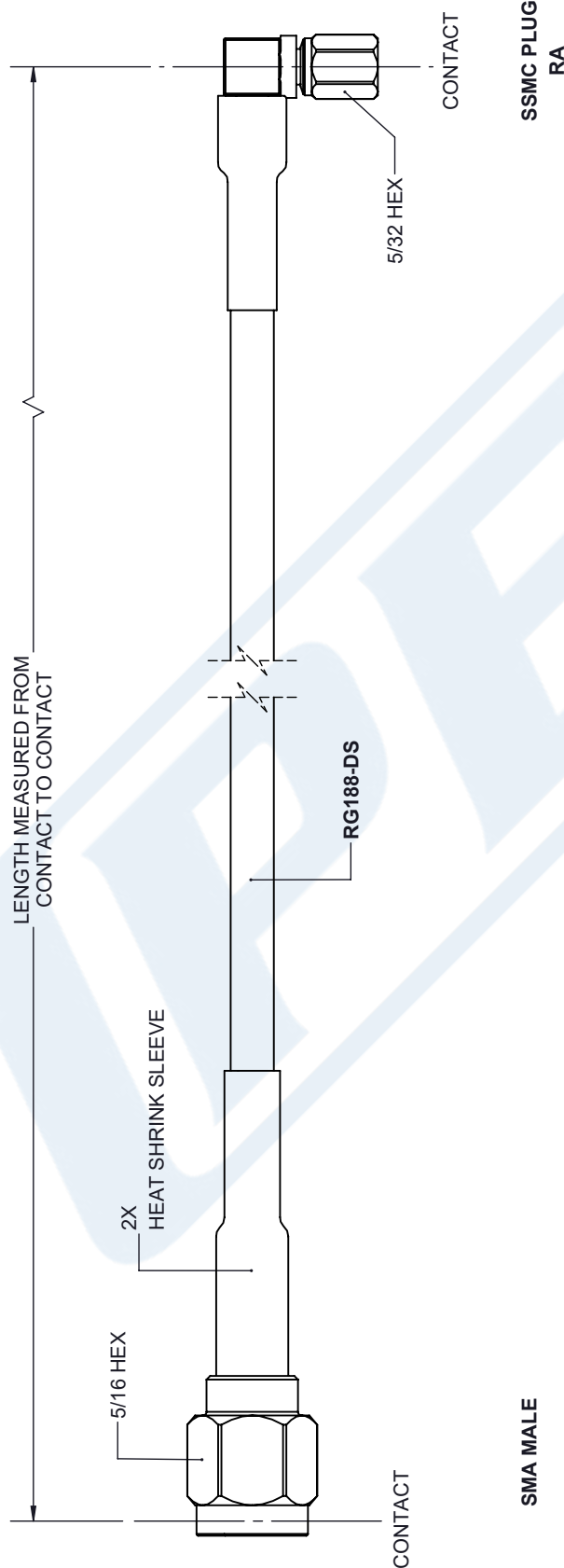
URL: <https://www.pasternack.com/ssmc-plug-sma-male-rg188-ds-cable-assembly-pe3w04994-200cm-p.aspx>

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PE3W04994-200CM CAD Drawing

SSMC Plug Right Angle to SMA Male Cable 200 cm Length Using RG188-DS Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE3W04994	9/8/2020	S. ELLIS



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PE PASTERNAK® an INFINITE® 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 Website: www.pasternack.com E-mail: sales@pasternack.com				ITEM NO.	PE3W04994		REV	A
SIZE A		CAGE CODE 53919	DRAWN BY K.DANG					
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.								

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