



MMCX Plug Right Angle to SMA Female Bulkhead Cable 100 cm Length Using RG188-DS Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE3W00934/HS-100CM

Configuration

- Connector 1: MMCX Plug Right Angle
- Connector 2: SMA Female Bulkhead
- Cable Type: RG188-DS

Features

- Max Frequency 6 GHz
- Double Shielded
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W00934/HS-100CM MMCX plug right angle to SMA female bulkhead 100 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 MMCX to SMA cable assembly has a plug to female gender configuration with 50 ohm flexible RG188-DS coax. The PE3W00934/HS-100CM MMCX plug to SMA female cable assembly operates to 6 GHz. The right angle MMCX interface on the RG188-DS cable allows for easier connections in tight spaces. Our RF cable assembly with SMA bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. 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		6	GHz
VSWR			1.5:1	
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: [MMCX Plug Right Angle to SMA Female Bulkhead Cable 100 cm Length Using RG188-DS Coax with HeatShrink PE3W00934/HS-100CM](#)



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	6	GHz
Insertion Loss (Max.)	0.55	1.29	1.12	2.01	2.9	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* 39.37 in [100 cm]

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]

Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug Right Angle	SMA Female Bulkhead
Specification	BS EN 122340	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Gold
Contact Plating Specification	30μ in. minimum	
Dielectric Type	Teflon	
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification	3μ in. minimum	

Mechanical Specification Notes:

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

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

PE3W00934/HS - xx uu

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

Example: PE3W00934/HS-12 = 12 inches long cable
PE3W00934/HS-100cm = 100 cm long cable

MMCX Plug Right Angle to SMA Female Bulkhead Cable 100 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.

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URL: <https://www.pasternack.com/mmcx-plug-sma-female-rg188-ds-cable-assembly-pe3w00934-hs-100cm-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.

PE3W00934/HS-100CM CAD Drawing

MMCX Plug Right Angle to SMA Female Bulkhead Cable 100 cm

Length Using RG188-DS Coax with HeatShrink

