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MCX Plug Right Angle to SMB Jack Cable Using RG316-DS Coax

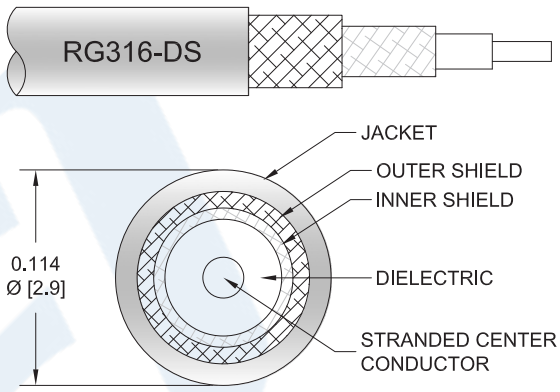
RF Cable Assemblies Technical Data Sheet PE3W13223

Configuration

- Connector 1: MCX Plug Right Angle
- Connector 2: SMB Jack
- Cable Type: RG316-DS
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 85 dB
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W13223 MCX plug right angle to SMB jack cable using RG316-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 MCX to SMB cable assembly has a plug to jack gender configuration with 50 ohm flexible RG316-DS coax. The right angle MCX interface on the RG316-DS cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 85 dB.

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
Velocity of Propagation		69.5		%
RF Shielding	85			dB
Capacitance		28.96 [95.01]		pF/ft [pF/m]
DC Resistance Inner Conductor		83.82 [275]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		5.33 [17.49]		Ω/1000ft [Ω/Km]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MCX Plug Right Angle to SMB Jack Cable Using RG316-DS Coax PE3W13223

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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Mechanical Specifications

Cable Assembly

Weight	0.026 lbs [11.79 g]

Cable

Cable Type	RG316-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	FEP, Tan
Jacket Diameter	0.114 in [2.9 mm]
One Time Minimum Bend Radius	0.59 in [14.99 mm]
Repeated Minimum Bend Radius	1.57 in [39.88 mm]

Connectors

Description	Connector 1	Connector 2
Type	MCX Plug Right Angle	SMB Jack
Impedance	50 Ohms	50 Ohms
Contact Material and Plating		Brass, Gold
Contact Plating Specification		30 µ in. Min
Dielectric Type		PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		100 µ in. Minimum

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **PE3W13223 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3W13223 — Base Number

Example: PE3W13223-12 = 12 inches long cable
PE3W13223-100cm = 100 cm long cable

MCX Plug Right Angle to SMB Jack Cable Using RG316-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: MCX Plug Right Angle to SMB Jack Cable Using RG316-DS Coax PE3W13223

URL: https://www.pasternack.com/mcx-plug-right-angle-to-smb-jack-cable-using-rg316-ds-pe3w13223-p.aspx

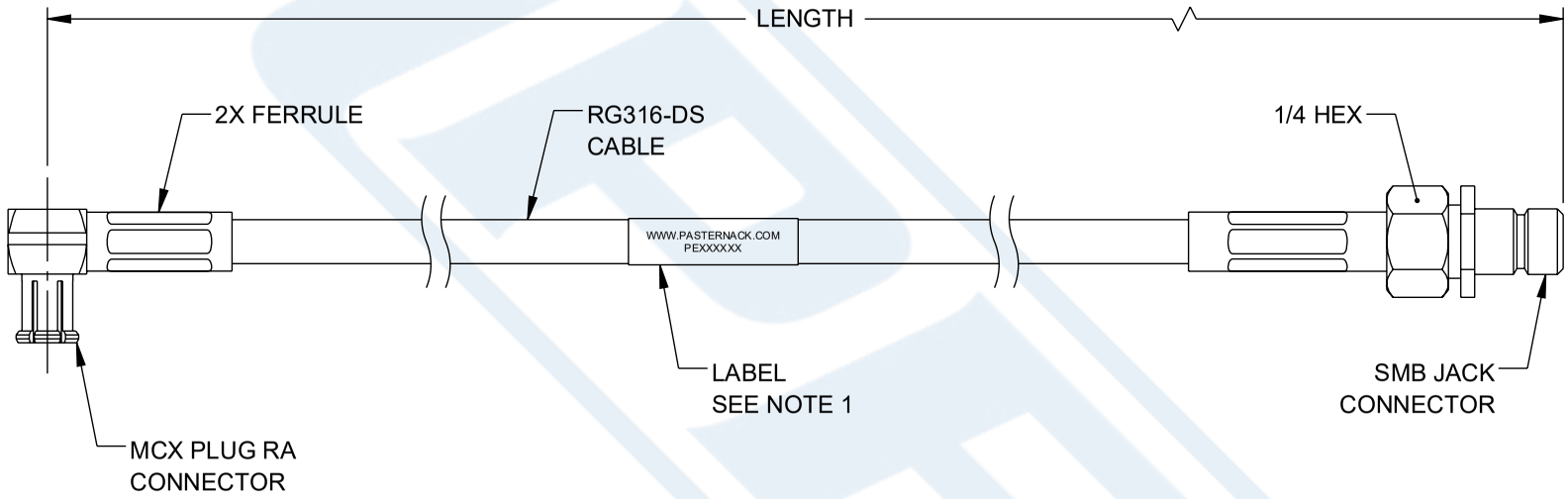
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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	06/02/2023	SREITER	AGANWANI



NOTES:
1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCH, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5] | FRACTIONS ± 1/32
.XX = ±.02 [.5] | ANGLES ± 1°
.XXX = ±.005 [.13]

CABLE LENGTH TOLERANCES:

≤12 [305] = +1 [25] / -0
>12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION
MCX PLUG RIGHT ANGLE TO SMB JACK CABLE USING RG316-DS COAX

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	SREITER	PE3W13223	A

T-Rev.D2

PE3W13223 REV 1.0

PE3W13223 CAD Drawing
MCX Plug Right Angle to SMB Jack Cable Using RG316-DS Coax