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75 Ohm BNC Female Bulkhead to 75 Ohm Push-On MCX Plug Right Angle Cable 100 cm Length Using 75 Ohm RG179 Coax

RF Cable Assemblies Technical Data Sheet PE3W01725-SP1-100CM

Configuration

- Connector 1: BNC Female Bulkhead
- Connector 2: Push-OnMCX Plug Right Angle
- Cable Type: RG179

Features

- Max Frequency 1 GHz
- 70% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W01725-SP1-100CM 75 ohm BNC female bulkhead to 75 ohm MCX plug push-on right angle 100 cm cable using 75 ohm RG179 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 BNC to MCX cable assembly has a female to plug gender configuration with 75 ohm flexible RG179 coax. The PE3W01725-SP1-100CM BNC female to MCX plug cable assembly operates to 1 GHz. The right angle MCX interface on the RG179 cable allows for easier connections in tight spaces. Our RF cable assembly with BNC 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.

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		1,000	MHz
VSWR			1.5:1	
Velocity of Propagation		70		%
Capacitance		19.4 [63.65]		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: 75 Ohm BNC Female Bulkhead to 75 Ohm Push-On MCX Plug Right Angle Cable 100 cm Length Using 75 Ohm RG179 Coax PE3W01725-SP1-100CM

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	500	1,000		MHz
Insertion Loss (Max.)	0.6	0.71	0.9	1.29		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]
Diameter	0.689 in [17.5 mm]

Cable

Cable Type	RG179
Impedance	75 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	FEP, Tan
Jacket Diameter	0.1 in [2.54 mm]
Repeated Minimum Bend Radius	0.4 in [10.16 mm]

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Connectors

Description	Connector 1	Connector 2
Type	BNC Female Bulkhead	MCX Plug Right Angle
Specification		MIL-C-39012
Impedance	75 Ohms	75 Ohms
Connection Method		Push-On
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Beryllium Copper, Gold
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification	100 µin minimum	

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **PE3W01725 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3W01725 — Base Number

Example: PE3W01725-12 = 12 inches long cable
PE3W01725-100cm = 100 cm long cable

75 Ohm BNC Female Bulkhead to 75 Ohm Push-On MCX Plug Right Angle Cable 100 cm Length Using 75 Ohm RG179 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.

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URL: https://www.pasternack.com/bnc-female-mcx-plug-rg179bu-cable-assembly-pe3w01725-sp1-100cm-p.aspx

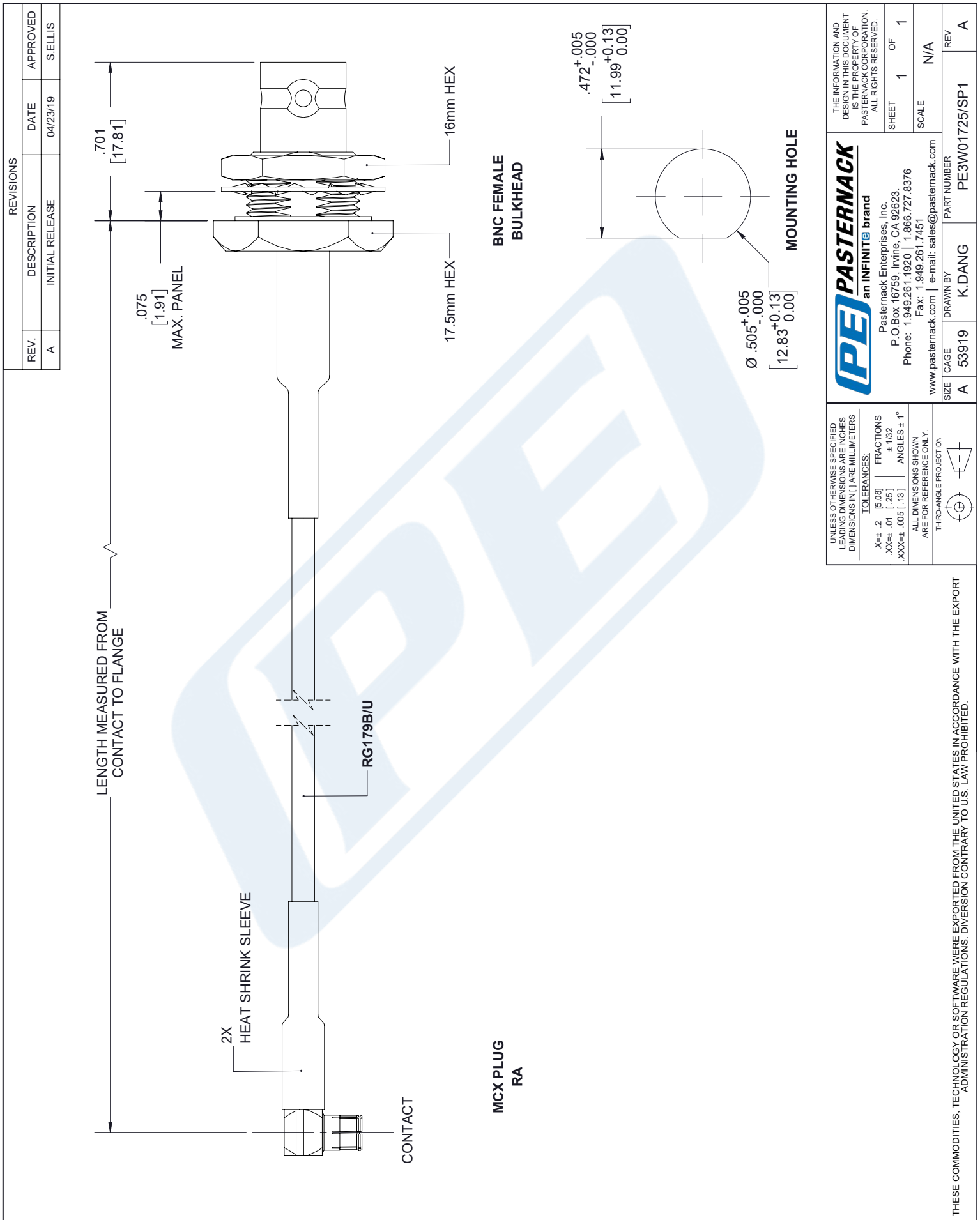
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PE3W01725-SP1-100CM CAD Drawing

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Right Angle Cable 100 cm Length Using 75 Ohm RG179 Coax



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