



Snap-On MMBX Plug Right Angle to TNC
Male Cable Using RG316 Coax

RF Cable Assemblies Technical Data Sheet

PE3W10115

Configuration

- Connector 1: Snap-OnMMBX Plug Right Angle
- Connector 2: TNC Male
- Cable Type: RG316

Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket

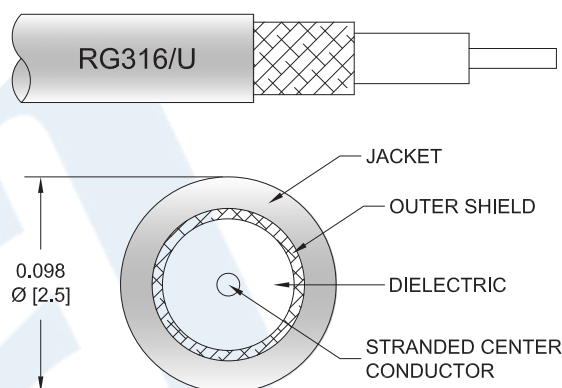
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W10115 MMBX plug snap-on right angle to TNC male cable using RG316 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 MMBX to TNC cable assembly has a plug to male gender configuration with 50 ohm flexible RG316 coax. The PE3W10115 MMBX plug to TNC male cable assembly operates to 3 GHz. The right angle MMBX interface on the RG316 cable allows for easier connections in tight spaces.

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: [Snap-On MMBX Plug Right Angle to TNC Male Cable Using RG316 Coax PE3W10115](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		69		%
Jacket Spark			2,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.11	0.16	0.238	0.38	0.58	dB/ft
	0.36	0.52	0.78	1.25	1.9	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB for the plug connector and 0.1XSQRT(FGHz) dB for the male connector.

Mechanical Specifications

Cable Assembly

Weight 0.059 lbs [26.76 g]

Cable

Cable Type RG316
Impedance 50 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 0.102 in [2.59 mm]

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Connectors

Description	Connector 1	Connector 2
Type	MMBX Plug Right Angle	TNC Male
Impedance	50 Ohms	50 Ohms
Connection Method	Snap-On	
Mating Cycles	100	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification		15 µin
Dielectric Type	PTFE	Teflon
Outer Conductor Material and Plating	Brass, Gold	
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification		100 µin
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin

Environmental Specifications

Temperature

Operating Range -40 to +125 deg C

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

Plotted and Other Data

Notes:

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PE3W10115

How to Order

Part Number Configuration:

PE3W10115

- **xx**

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

Example: PE3W10115-12 = 12 inches long cable
PE3W10115-100cm = 100 cm long cable

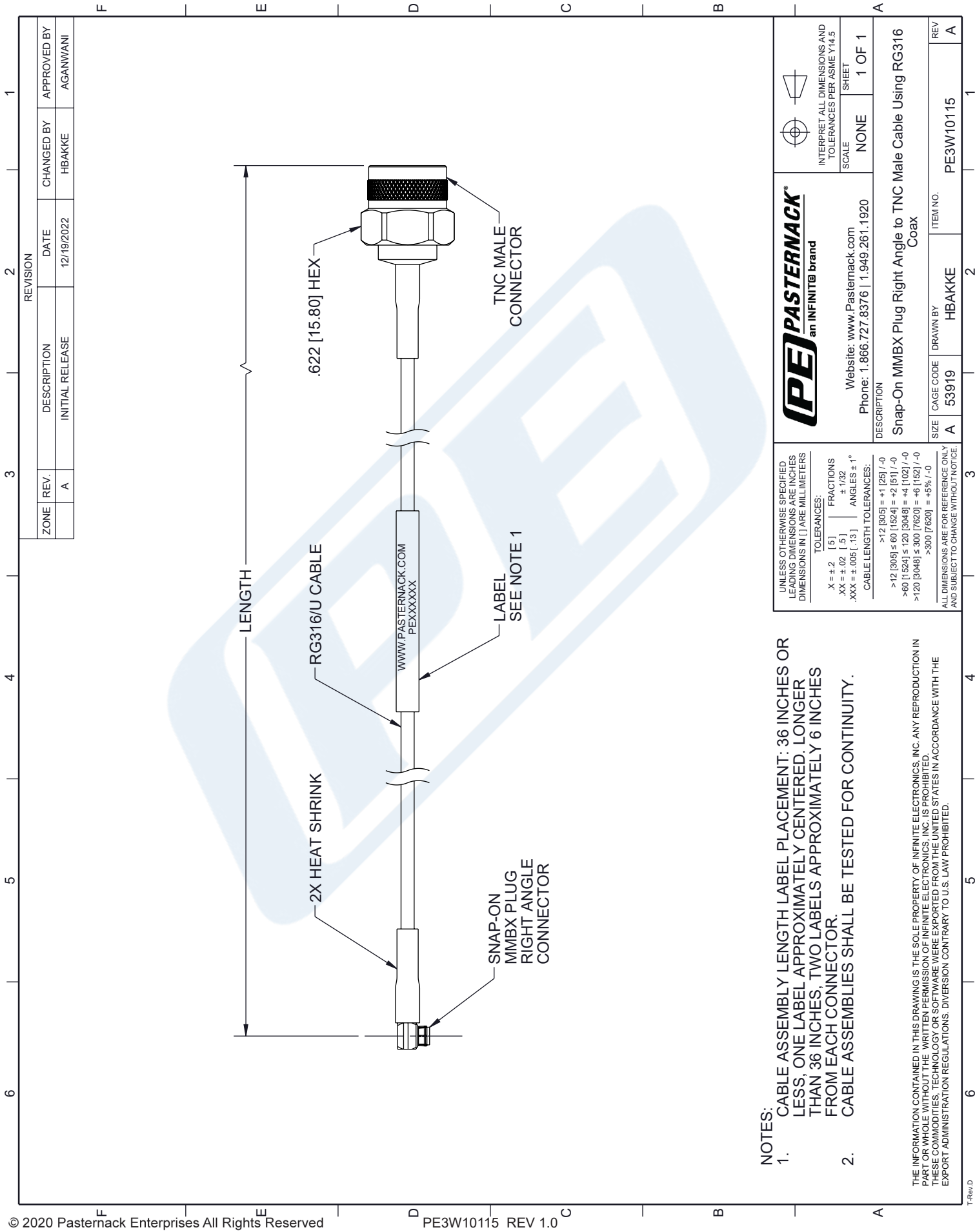
Snap-On MMBX Plug Right Angle to TNC Male Cable Using RG316 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Snap-On MMBX Plug Right Angle to TNC Male Cable Using RG316 Coax PE3W10115](#)

URL: <https://www.pasternack.com/snap-on-mmbx-plug-right-angle-to-tnc-male-cable-using-rg316-pe3w10115-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.

PE3W10115 CAD Drawing
Snap-On MMBX Plug Right Angle to TNC Male Cable Using RG316 Coax





an INFINITE brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920



INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
SHEET: 1 OF 1

DESCRIPTION
Snap-On MMBX Plug Right Angle to TNC Male Cable Using RG316 Coax

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	HBAKKE	PE3W10115	A

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

TOLERANCES:

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

CABLE LENGTH TOLERANCES:

>12 [305]	±.125 [-.0]
>12 [305] ≤ 60 [1524]	±.125 [-.0]
>60 [1524] ≤ 120 [3048]	±.125 [-.0]
>120 [3048] ≤ 300 [7620]	±.125 [-.0]
>300 [7620]	±.125 [-.0]

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