

TNC Female Bulkhead to MMCX Plug Cable Using RG316 Coax with HeatShrink



PE3C7522/HS

Configuration

- Connector 1: TNC Female Bulkhead
- Connector 2: MMCX Plug
- Cable Type: RG316
- Coax Flex Type: Flexible

Features

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



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C7522/HS TNC female bulkhead to MMCX plug 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 TNC to MMCX cable assembly has a female to plug gender configuration with 50 ohm flexible RG316 coax. The PE3C7522/HS TNC female to MMCX plug cable assembly operates to 3 GHz. Our RF cable assembly with TNC 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		3	GHz
VSWR			1.4:1	
Velocity of Propagation		69		%
Jacket Spark			2,000	Vrms

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency					MHz	
PE3C7522/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.11	0.16	0.24	0.38	0.58	dB/ft	
			0.37	0.53	0.79	1.25	1.91	dB/m	
PE3C7522/HS-12	12 inch	Insertion Loss (Typ.)	0.31	0.36	0.44	0.58	0.78	dB	0.056
PE3C7522/HS-24	24 inch	Insertion Loss (Typ.)	0.42	0.52	0.68	0.96	1.36	dB	0.067
PE3C7522/HS-36	36 inch	Insertion Loss (Typ.)	0.53	0.68	0.92	1.34	1.94	dB	0.077
PE3C7522/HS-48	48 inch	Insertion Loss (Typ.)	0.64	0.84	1.16	1.72	2.52	dB	0.087
PE3C7522/HS-72	72 inch	Insertion Loss (Typ.)	0.86	1.16	1.63	2.48	3.68	dB	0.107

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.056 pounds
Additional Weight per Inch:	0.00084 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.046 lbs [20.87 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	TNC Female Bulkhead	MMCX Plug
Specification	MIL-STD-348	BS EN 122340
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Brass, Gold
Outer Conductor Plating Specification		3 µin minimum
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification		3 µin minimum

Environmental Specifications

Operating Range Temperature -55 to +155 deg C

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

Plotted and Other Data

Notes:

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PE3C7522/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE3C7522/HS - xx uu

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3C7522/HS-12 = 12 inches long cable
PE3C7522/HS-100cm = 100 cm long cable

TNC Female Bulkhead to MMCX Plug Cable Using RG316 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.

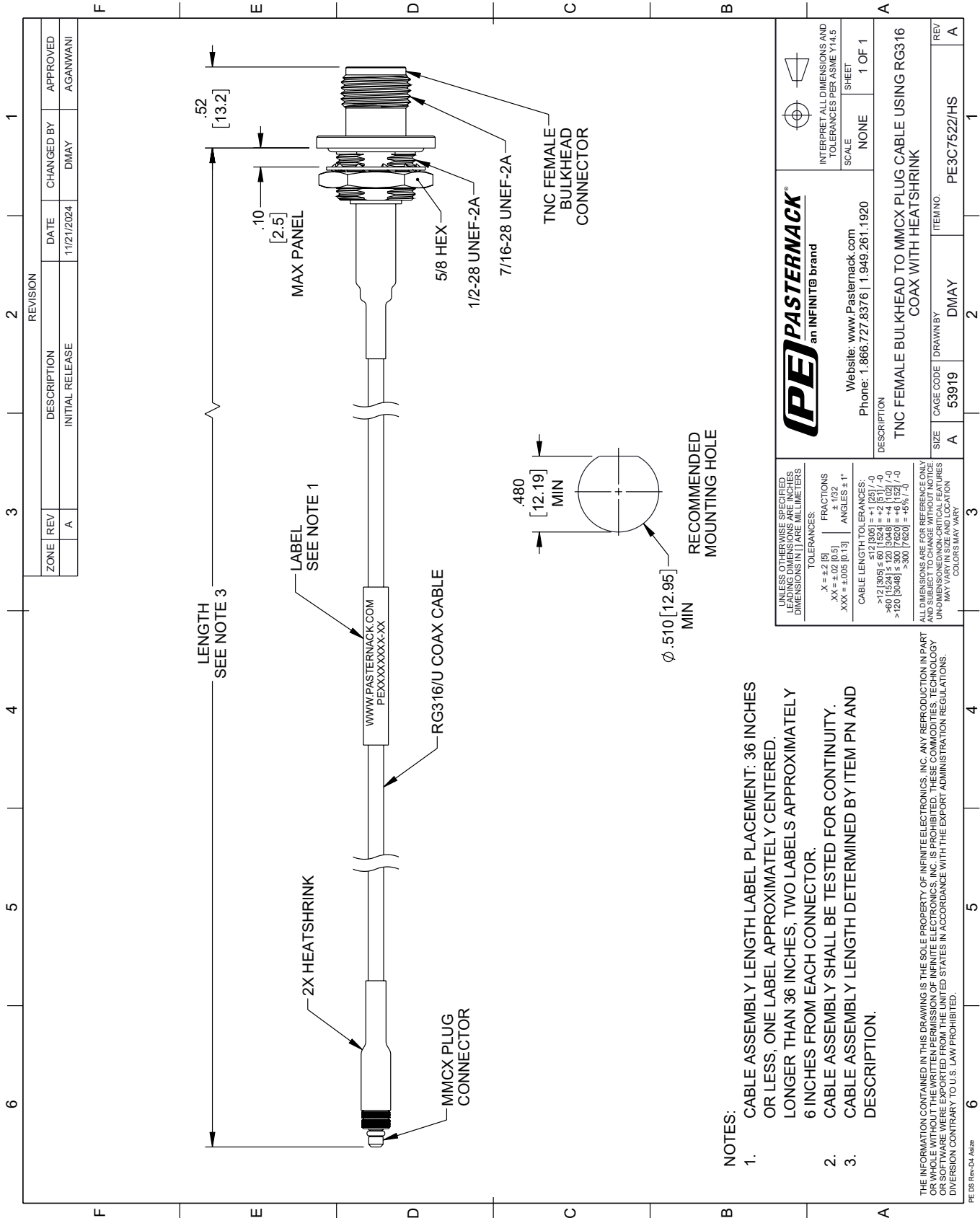
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead to MMCX Plug Cable Using RG316 Coax with HeatShrink PE3C7522/HS](https://www.pasternack.com/tnc-female-bulkhead-to-mmcx-plug-cable-using-rg316-with-heatshrink-pe3c7522-hs)

URL: <https://www.pasternack.com/tnc-female-bulkhead-to-mmcx-plug-cable-using-rg316-with-heatshrink-pe3c7522-hs-p.aspx>

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PE3C7522/HS CAD Drawing

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NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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<p>PASTERNAK an INFINITE brand</p>	<p>Website: www.Pasternack.com</p> <p>Phone: 1.866.727.8376 1.949.261.1920</p>	<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
	<p>DESCRIPTION</p> <p>TNC FEMALE BULKHEAD TO MMCX PLUG CABLE USING RG316 COAX WITH HEATSHRINK</p>	<p>ITEM NO.</p> <p>PE3C7522/HS</p>
<p>UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.</p> <p>TOLERANCES:</p> <p>.X = ±.2 [5]</p> <p>.XX = ±.02 [0.5]</p> <p>.XXX = ±.005 [0.13]</p> <p>FRACTIONS: ± 1/32</p> <p>ANGLES: ± 1°</p> <p>CABLE LENGTH TOLERANCES:</p> <p><12 [305] ≤ 60 [1524] = ±.1 [25] / -0</p> <p>>60 [1524] ≤ 120 [3048] = ±.4 [102] / -0</p> <p>>120 [3048] ≤ 300 [7620] = ±.6 [152] / -0</p> <p>>300 [7620] = ±.8 [203] / -0</p> <p>ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.</p>	<p>SIZE</p> <p>A</p>	<p>REV</p> <p>A</p>
<p>RECOMMENDED MOUNTING HOLE</p> <p>Ø .510 [12.95] MIN</p> <p>.480 [12.19] MIN</p>	<p>DESCRIPTION</p> <p>TNC FEMALE BULKHEAD TO MMCX PLUG CABLE USING RG316 COAX WITH HEATSHRINK</p>	<p>ITEM NO.</p> <p>PE3C7522/HS</p>
<p>LENGTH SEE NOTE 3</p> <p>2X HEATSHRINK</p> <p>MMCX PLUG CONNECTOR</p> <p>RG316/U COAX CABLE</p> <p>WWW.PASTERNAK.COM PEXXXXXXXXXX</p> <p>5/8 HEX</p> <p>1/2-28 UNEF-2A</p> <p>7/16-28 UNEF-2A</p> <p>TNC FEMALE BULKHEAD CONNECTOR</p> <p>MAX PANEL</p> <p>.10 [2.5]</p> <p>.52 [13.2]</p>	<p>SIZE</p> <p>A</p>	<p>REV</p> <p>A</p>