

4.3-10 Female Bulkhead to 4.3-10 Male Low PIM Cable 60 Inch Length Using TFT-5G-402 Coax with Times Microwave Components



PE3W15448-60

Configuration

- Connector 1: 4.3-10 Female Bulkhead
- Connector 2: 4.3-10 Male
- Cable Type: TFT-5G-402
- Coax Flex Type: Flexible

Features

- Max Frequency 6 GHz
- Low PIM: -160 dBc Max
- Shielding Effectivity > 80 dB
- 76% Phase Velocity
- Double Shielded
- FEP Jacket
- 500 Mating Cycles



Applications

- General Purpose
- Laboratory Use
- Low PIM Applications

Description

Pasternack's PE3W15448-60 4.3-10 female bulkhead to 4.3-10 male 60 inch cable using TFT-5G-402 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 4.3-10 to 4.3-10 cable assembly has a female to male gender configuration with 50 ohm flexible TFT-5G-402 coax. The PE3W15448-60 4.3-10 female to 4.3-10 male cable assembly operates to 6 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -160 dBc. Our RF cable assembly with 4.3-10 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 of better than 80 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
Frequency Range	DC		6	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	80			dB
Passive Intermodulation IM3 (2x43dBm Tones) at 850 MHz or 1900 MHz			-160	dBc
Capacitance		26.7 [87.6]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
			Frequency	500	1000	2500	6000	
PE3W15448	Custom Lengths Available	Insertion Loss (Typ.)	0.081	0.111	0.188	0.295	dB/ft	
			0.27	0.37	0.62	0.97	dB/m	
PE3W15448-12	12 In	Insertion Loss (Typ.)	0.43	0.46	0.53	0.64	dB	0.088
PE3W15448-24	24 In	Insertion Loss (Typ.)	0.51	0.57	0.72	0.93	dB	0.117
PE3W15448-36	36 In	Insertion Loss (Typ.)	0.59	0.68	0.91	1.23	dB	0.145
PE3W15448-60	60 In	Insertion Loss (Typ.)	0.75	0.9	1.28	1.82	dB	0.201
PE3W15448-200CM	200 CM	Insertion Loss (Typ.)	0.88	1.07	1.58	2.28	dB	0.245

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: 0.24 dB
 Base Weight: 0.088 pounds
 Additional Weight per Inch: 0.00234 pounds

Mechanical Specifications

Cable Assembly

Length 60 in [152.4 cm]
 Width/Diameter .5 in [12.7 mm]
 Weight 0.201 lbs [91.17 g]

Cable

Cable Type TFT-5G-402
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper
 Dielectric Type PTFE
 Number of Shields 2
 Shield Layer 1 Tin
 Outer Conductor 1 Material and Plating Copper, Tin
 Jacket Material FEP, Blue
 Jacket Diameter 0.16 in [4.06 mm]
 One Time Minimum Bend Radius 0.75 in [19.05 mm]

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Connectors

Description	Connector 1	Connector 2
Type	4.3-10 Female Bulkhead	4.3-10 Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	500	500
Contact Material and Plating	Phosphor Bronze, Silver	Brass, Silver
Contact Plating Specification	200 µin	200 µin
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Tri-Metal	
Outer Conductor Plating Specification	80 µin	
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	80 µin	80 µin
Coupling Nut Material and Plating		Brass, Tri-Metal
Coupling Nut Plating Specification		80 µin
Torque		44 in-lbs 4.97 Nm

Environmental Specifications

Operating Range Temperature -55 to +85 deg C

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

Plotted and Other Data

Notes:

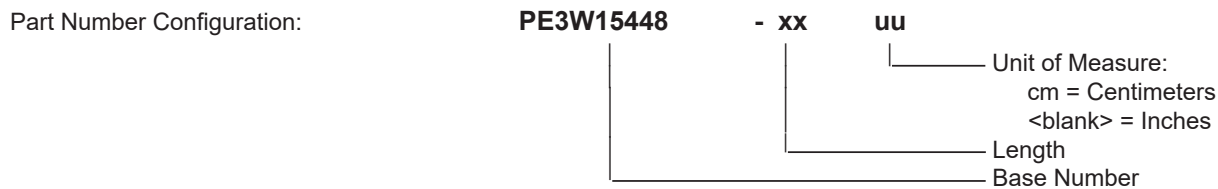
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Typical Performance Data

How to Order



Example: PE3W15448-12 = 12 inches long cable
 PE3W15448-100cm = 100 cm long cable

4.3-10 Female Bulkhead to 4.3-10 Male Low PIM Cable 60 Inch Length Using TFT-5G-402 Coax with Times Microwave Components 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.

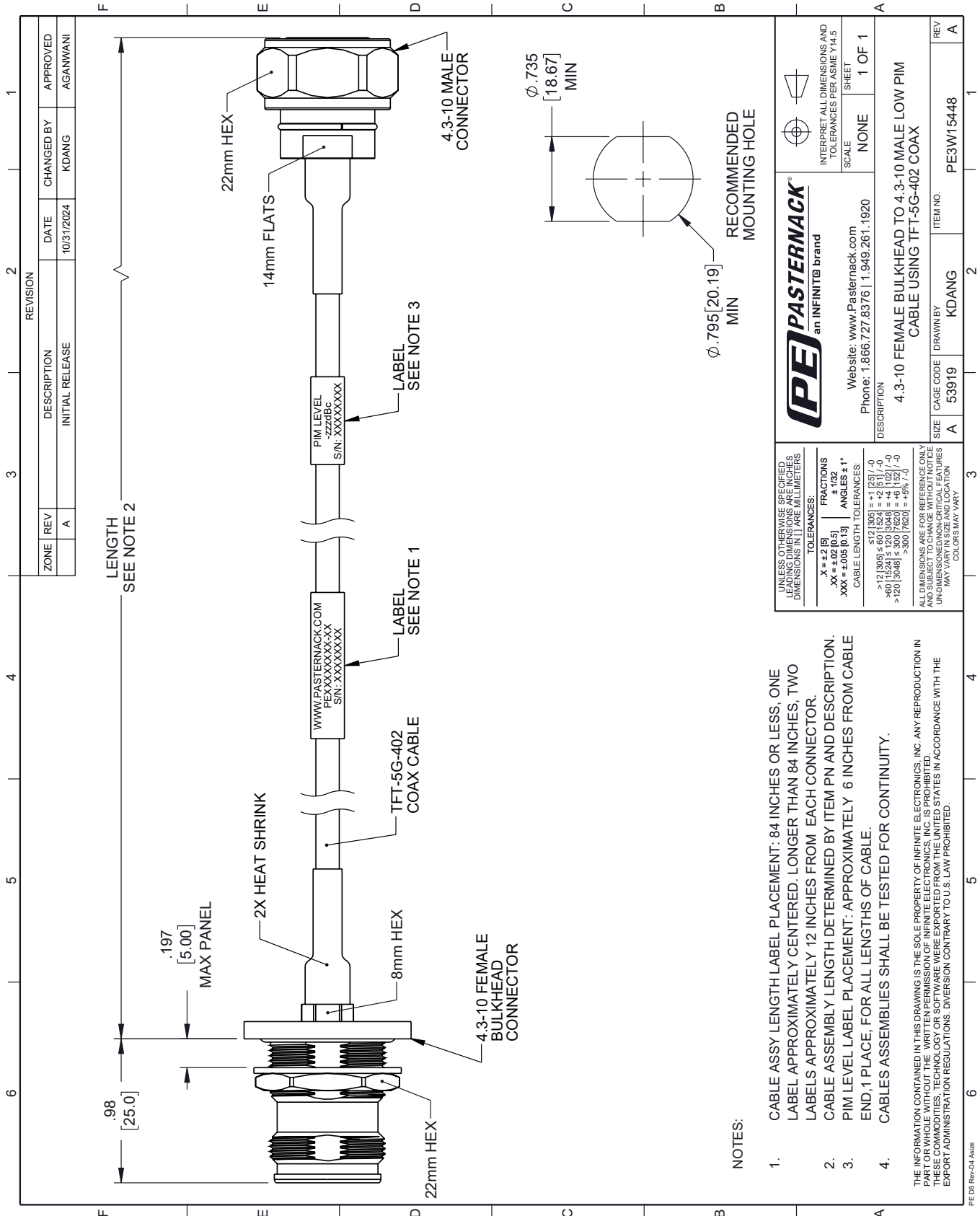
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Female Bulkhead to 4.3-10 Male Low PIM Cable 60 Inch Length Using TFT-5G-402 Coax with Times Microwave Components PE3W15448-60](#)

URL: <https://www.pasternack.com/4.3-10-female-bulkhead-to-4.3-10-male-low-pim-cable-60-inch-length-using-tft-5g-402-pe3w15448-60-p.aspx>

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PE3W15448-60 CAD Drawing

4.3-10 Female Bulkhead to 4.3-10 Male Low PIM Cable 60 Inch Length
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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	10/31/2024	KDANG	AGANWANI

PE PASTERNAK
an INFINITB 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: 4.3-10 FEMALE BULKHEAD TO 4.3-10 MALE LOW PIM CABLE USING TFT-5G-402 COAX

ITEM NO.: PE3W15448

SIZE: A
CAGE CODE: 53919
DRAWN BY: KDANG

REV: A

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

TOLERANCES:

X = ± 0.2 [5]	ANGLES ± 1°
.XX = ± 0.02 [0.5]	± 1/32
.XXX = ± 0.005 [0.13]	

CABLE LENGTH TOLERANCES:

< 12 [305]	± 1 [25]
> 12 [305] ≤ 60 [1524]	± 2 [51]
> 60 [1524] ≤ 120 [3048]	± 4 [102]
> 120 [3048]	± 8 [203]

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.