

4.3-10 Male Right Angle to 7/16 DIN Male Low PIM Cable Using TFT-5G-402 Coax Using Times Microwave Components



PE3C8305

Configuration

- Connector 1: 4.3-10 Male Right Angle
- Connector 2: 7/16 DIN Male
- Cable Type: TFT-5G-402
- Coax Flex Type: Flexible

Features

- Max Frequency 5.8 GHz
- Low PIM: -160 dBc Max
- Shielding Effectivity > 80 dB
- 76% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use
- Low PIM Applications
- Indoor and Outdoor Use
- Plenum Rated Applications

Description

Pasternack's PE3C8305 4.3-10 male right angle to 7/16 DIN male 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 7/16 DIN cable assembly has a male to male gender configuration with 50 ohm flexible TFT-5G-402 coax. The PE3C8305 4.3-10 male to 7/16 DIN male cable assembly operates to 5.8 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -160 dBc. The right angle 4.3-10 interface on the TFT-5G-402 cable allows for easier connections in tight spaces. 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		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	80			dB
Passive Intermodulation			-160	dBc
IM3 (2x43dBm Tones) at 850 MHz or 1900 MHz				

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Capacitance		26.7 [87.6]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.057	0.083	0.117	0.19	0.295	dB/ft
	0.19	0.27	0.38	0.62	0.97	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as $0.1 \cdot \sqrt{FGHz}$ dB for the right angle connector and 0.1 dB for the straight connector.

Mechanical Specifications

Cable Assembly

Width/Diameter 1.25 in [31.75 mm]
Weight lbs [0 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
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 Male Right Angle	7/16 DIN Male
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Mating Cycles	500	
Contact Material and Plating	Brass, Silver	Brass, Silver
Contact Plating Specification	200 µin	5 µm
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	80 µin	3 µm
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Specification	80 µin	3 µm
Torque	44 in-lbs 4.97 Nm	22.083 ft-lbs 29.95 Nm

Environmental Specifications

Operating Range Temperature -40 to +85 deg C

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

Plotted and Other Data

Notes:

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PE3C8305

Typical Performance Data

How to Order

Part Number Configuration:

PE3C8305

- xx

uu

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

Example: PE3C8305-12 = 12 inches long cable
PE3C8305-100cm = 100 cm long cable

4.3-10 Male Right Angle to 7/16 DIN Male Low PIM Cable Using TFT-5G-402 Coax Using 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.

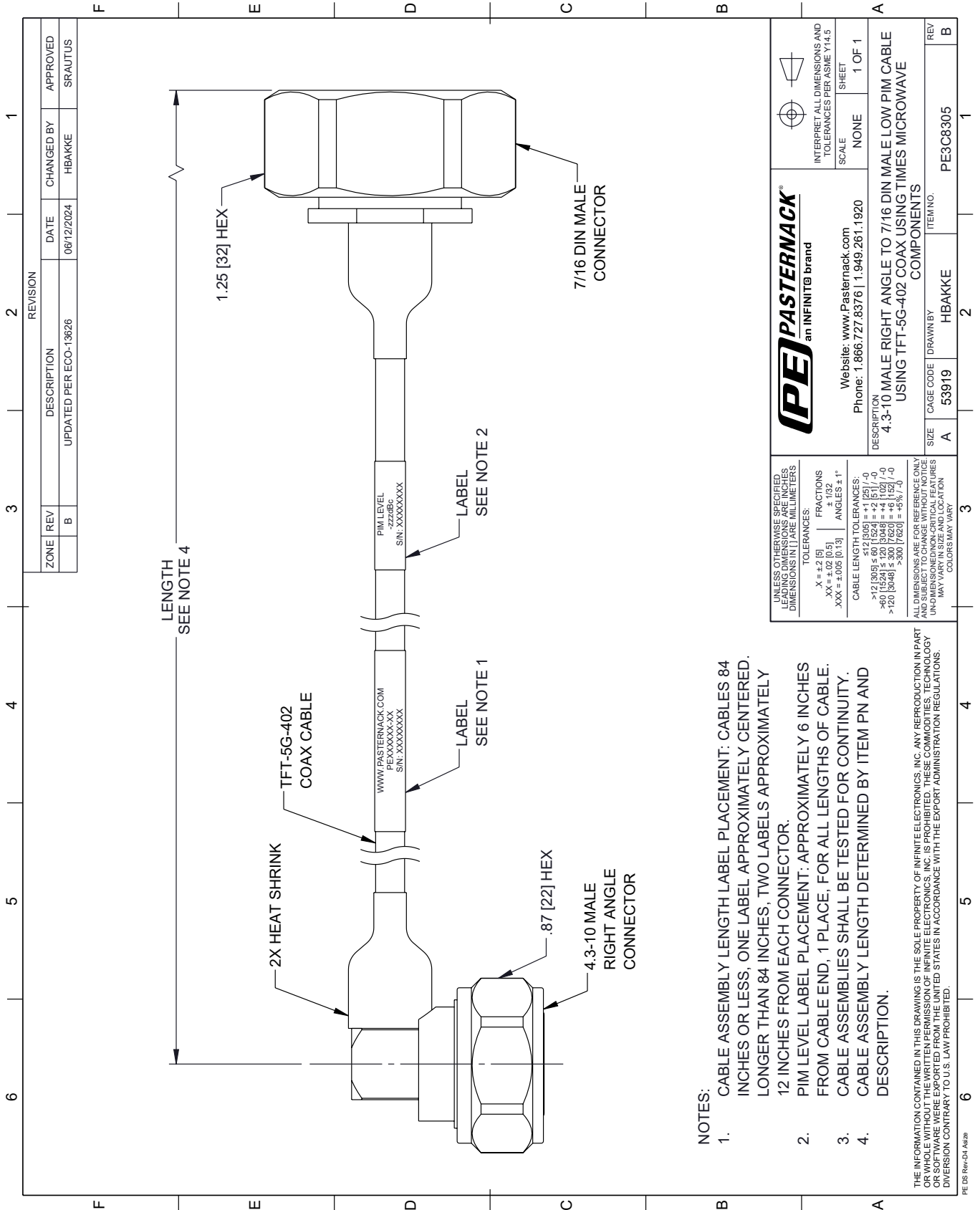
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male Right Angle to 7/16 DIN Male Low PIM Cable Using TFT-5G-402 Coax Using Times Microwave Components PE3C8305](https://www.pasternack.com/4.3-10-male-right-angle-to-7-16-din-male-low-pim-cable-using-tft-5g-402-pe3c8305.html)

URL: <https://www.pasternack.com/4.3-10-male-right-angle-to-7-16-din-male-low-pim-cable-using-tft-5g-402-pe3c8305.html>

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PE3C8305 CAD Drawing

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- NOTES:**
1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: CABLES 84 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 84 INCHES, TWO LABELS APPROXIMATELY 12 INCHES FROM EACH CONNECTOR.
 2. PIM LEVEL LABEL PLACEMENT: APPROXIMATELY 6 INCHES FROM CABLE END, 1 PLACE. FOR ALL LENGTHS OF CABLE.
 3. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
 4. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE SHEET 1 OF 1	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		DESCRIPTION 4.3-10 MALE RIGHT ANGLE TO 7/16 DIN MALE LOW PIM CABLE USING TFT-5G-402 COAX USING TIMES MICROWAVE COMPONENTS	
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.	TOLERANCES: FRACTIONS ± 1/32 ANGLES ± 1° .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]	CAGE CODE A 53919	DRAWN BY HBAKKE
CABLE LENGTH TOLERANCES: >12 [305] ≤ 60 [1524] = +1 [25] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +5% / -0	ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE UNLESS OTHERWISE SPECIFIED. DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	SIZE A	ITEM NO. PE3C8305

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
B		UPDATED PER ECO-13626	06/12/2024	HBAKKE	SRAUTUS