

## 4.3-10 Female Bulkhead to SMA Male Right Angle Low PIM Cable Using TFT-5G-402 Coax with HeatShrink

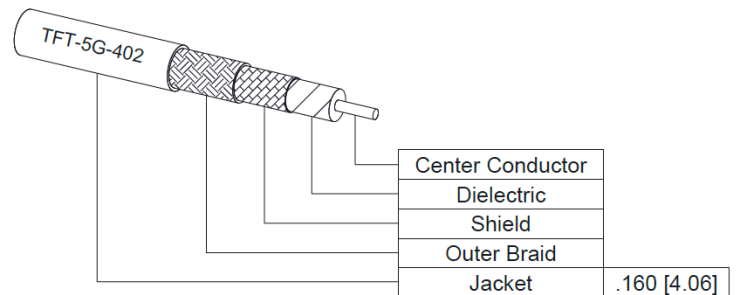
### PE3W12545/HS

#### Configuration

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

#### Features

- Max Frequency 5.8 GHz
- Shielding Effectivity > 80 dB
- 76% Phase Velocity
- Double Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use
- Low PIM Applications

#### Description

Pasternack's PE3W12545/HS 4.3-10 female bulkhead to SMA male right angle 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 SMA cable assembly has a female to male gender configuration with 50 ohm flexible TFT-5G-402 coax. The PE3W12545/HS 4.3-10 female to SMA male cable assembly operates to 5.8 GHz. Our low PIM design also offers excellent passive intermodulation performance. The right angle SMA interface on the TFT-5G-402 cable allows for easier connections in tight spaces. 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      |         | 5.8     | GHz   |
| VSWR                    |         |         | 1.4:1   |       |
| Velocity of Propagation |         | 76      |         | %     |
| RF Shielding            | 80      |         |         | dB    |

## 4.3-10 Female Bulkhead to SMA Male Right Angle Low PIM Cable Using TFT-5G-402 Coax with HeatShrink

### PE3W12545/HS

#### 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 (Max.) | 1.043887 | 1.081931 | 1.111241 | 1.188768 | 1.294993 | dB/ft |
|                       | 3.42     | 3.55     | 3.65     | 3.9      | 4.25     | dB/m  |

#### Mechanical Specifications

##### Cable Assembly

|                |                    |
|----------------|--------------------|
| Width/Diameter | 0 in [0 mm]        |
| Weight         | 0.06 lbs [27.22 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] |

## 4.3-10 Female Bulkhead to SMA Male Right Angle Low PIM Cable Using TFT-5G-402 Coax with HeatShrink

### PE3W12545/HS

#### Connectors

| Description                           | Connector 1             | Connector 2          |
|---------------------------------------|-------------------------|----------------------|
| Type                                  | 4.3-10 Female Bulkhead  | SMA Male Right Angle |
| Impedance                             | 50 Ohms                 | 50 Ohms              |
| Configuration                         | Straight                | Right Angle          |
| Mating Cycles                         | 500                     |                      |
| Contact Material and Plating          | Phosphor Bronze, Silver | Brass, Silver        |
| Contact Plating Specification         | 200 µin                 | 5 µm                 |
| 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                  | 3 µm                 |
| Coupling Nut Material and Plating     |                         | Brass, Tri-Metal     |
| Coupling Nut Plating Specification    |                         | 3 µm                 |
| Torque                                |                         | 9.73 in-lbs 1.1 Nm   |

#### Environmental Specifications

Operating Range Temperature -55 to +85 deg C

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

#### Plotted and Other Data

Notes:

## 4.3-10 Female Bulkhead to SMA Male Right Angle Low PIM Cable Using TFT-5G-402 Coax with HeatShrink

### PE3W12545/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration: **PE3W12545/HS - xx uu**

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

Example: PE3W12545/HS-12 = 12 inches long cable  
 PE3W12545/HS-100cm = 100 cm long cable

4.3-10 Female Bulkhead to SMA Male Right Angle Low PIM Cable Using TFT-5G-402 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: [4.3-10 Female Bulkhead to SMA Male Right Angle Low PIM Cable Using TFT-5G-402 Coax with HeatShrink PE3W12545/HS](#)

URL: <https://www.pasternack.com/4.3-10-female-bulkhead-to-sma-male-low-pim-cable-using-tft-5g-402-with-heatshrink-pe3w12545-hs-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.