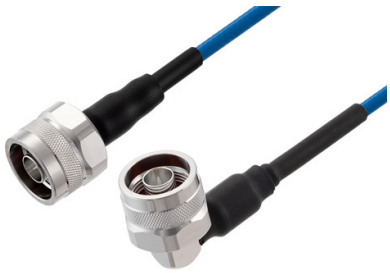
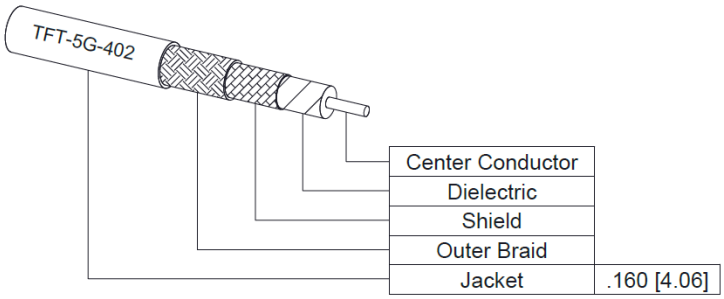
# N Male to N Male Right Angle Low PIM Cable 36 Inch Length Using TFT-5G-402 Coax Using Times Microwave Components



## PE3C7999-36

### Configuration

- Connector 1:  N Male
- Connector 2:  N Male Right Angle
- 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 PE3C7999-36 type N male to type N male right angle 36 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 type N to type N cable assembly has a male to male gender configuration with 50 ohm flexible TFT-5G-402 coax. The PE3C7999-36 type N male to type N 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 type N 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<br>IM3 (2x43dBm Tones) at 850 MHz or 1900 MHz | | | -160 | dBc |


© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.
+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

# N Male to N Male Right Angle Low PIM Cable 36 Inch Length Using TFT-5G-402 Coax Using Times Microwave Components



## PE3C7999-36

### 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.) | 0.27 | 0.42 | 0.53 | 0.8 | 1.22 | dB |

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1*SQRT(FGHz) dB for the straight connector and 0.1 dB for the right angle connector.

### Mechanical Specifications

**Cable Assembly**

| | |
|---|---|
| Length | 36 in [914.4 mm] |
| Width/Diameter | .88 in [20.52 mm] |

**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] |


© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.

# N Male to N Male Right Angle Low PIM Cable 36 Inch Length Using TFT-5G-402 Coax Using Times Microwave Components



## PE3C7999-36

### Connectors

| Description | Connector 1 | Connector 2 |
|---|---|---|
| Type | N Male | N Male Right Angle |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Right Angle |
| 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, Copper Clad Aluminum |
| Body Plating Specification | 80 µin | 3 µm |
| Coupling Nut Material and Plating | Brass, Tri-Metal | Brass, Copper Clad Aluminum |
| Coupling Nut Plating Specification | 80 µin | 3 µm |
| Torque | 15 in-lbs 1.7 Nm | 10 in-lbs 1.13 Nm |

### Environmental Specifications

| | |
|---|---|
| Operating Range Temperature | -40 to +125 deg C |

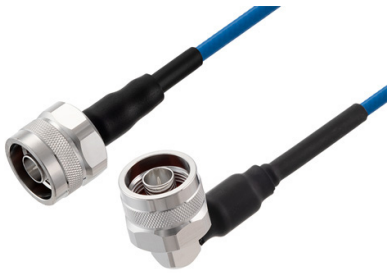
### Compliance Certifications (see product page for current document)

### Plotted and Other Data

Notes:


© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.

# N Male to N Male Right Angle Low PIM Cable 36 Inch Length Using TFT-5G-402 Coax Using Times Microwave Components



## PE3C7999-36

### Typical Performance Data

### How to Order

Part Number Configuration: **PE3C7999 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3C7999 — Base Number

Example: PE3C7999-12 = 12 inches long cable
PE3C7999-100cm = 100 cm long cable

N Male to N Male Right Angle Low PIM Cable 36 Inch Length 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: N Male to N Male Right Angle Low PIM Cable 36 Inch Length Using TFT-5G-402 Coax Using Times Microwave Components PE3C7999-36

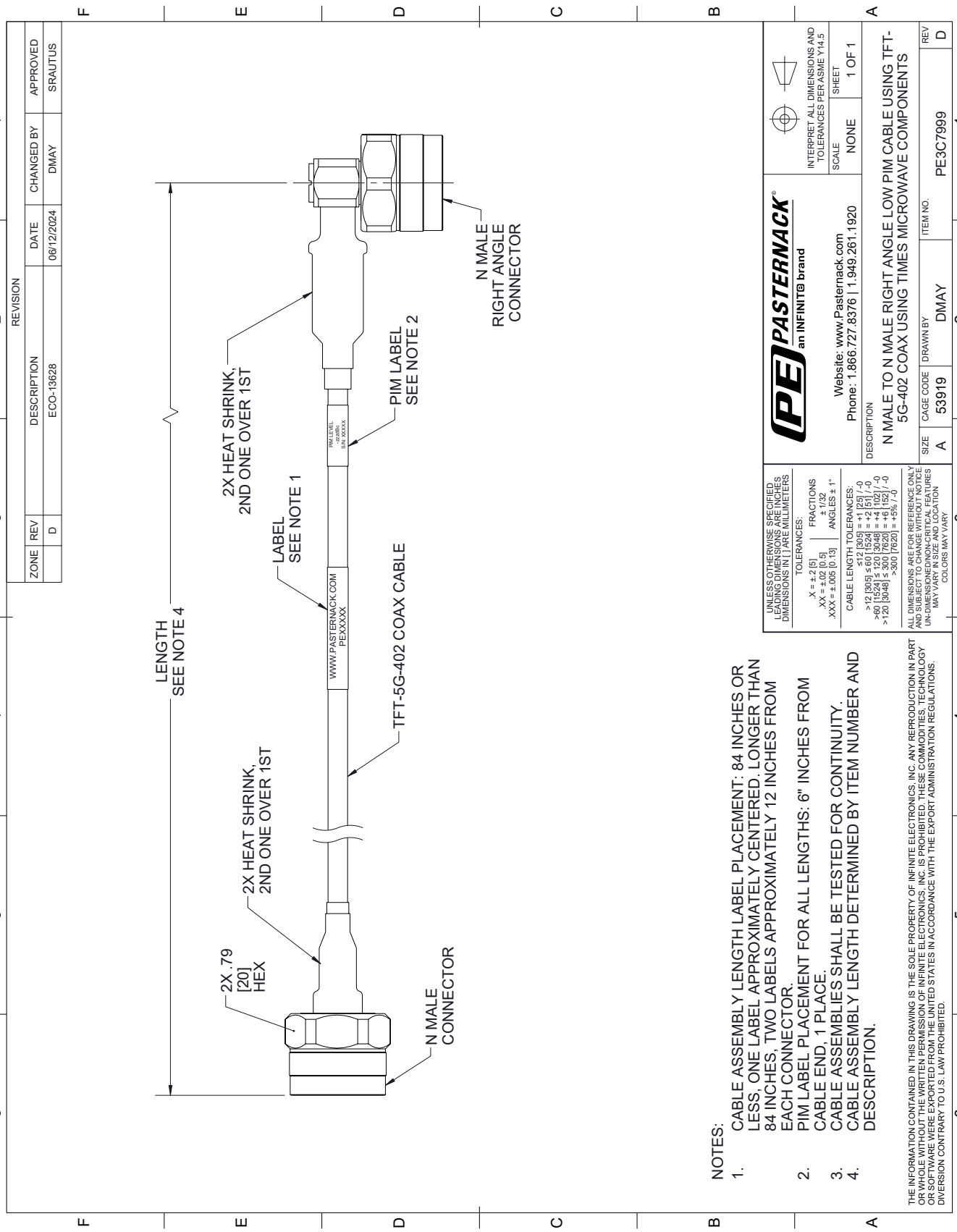
URL: https://www.pasternack.com/n-male-to-n-male-low-pim-cable-36-inch-length-using-tft-5g-402-pe3c7999-36-p.aspx

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 impliment 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.


© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.

# PE3C7999-36 CAD Drawing

N Male to N Male Right Angle Low PIM Cable 36 Inch Length Using TFT-5G-402 Coax Using Times Microwave Components






© 2025 Infinite Electronics, Inc. Pasternack is a registered trademark of Infinite Electronics, Inc.