



## N Female to TNC Male Miter Right Angle Adapter, DC to 18 GHz

### RF Adapters Technical Data Sheet

**PE91579**

#### Configuration

- N Female Connector 1
- TNC Male Connector 2
- 50 Ohm
- Miter Right Angle Body Geometry

#### Features

- Max VSWR of 1.35:1 up to 18 GHz
- Gold over Nickel Plated Beryllium Copper Contact

#### Applications

- Allows Connection Between Series
- General Purpose Test

#### Description

Pasternack's PE91579 type N female to TNC male miter right angle adapter is part of our full line of RF components available for same-day shipping. Our type N to TNC adapter has a female to male gender configuration built of durable stainless steel. PE91579 type N female to TNC male adapter operates to 18 GHz. The Pasternack RF adapter provides good VSWR of 1.35:1 maximum. This miter right angle type N to TNC adapter allows for easier connections in tight spaces.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

#### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC      |         | 18      | GHz   |
| VSWR            |         |         | 1.35:1  |       |

#### Mechanical Specifications

|             |                     |
|-------------|---------------------|
| <b>Size</b> |                     |
| Length      | 1.3 in [33.02 mm]   |
| Width       | 0.63 in [16 mm]     |
| Height      | 1.38 in [35.05 mm]  |
| Weight      | 0.023 lbs [10.43 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female to TNC Male Miter Right Angle Adapter, DC to 18 GHz PE91579](#)



## N Female to TNC Male Miter Right Angle Adapter, DC to 18 GHz

### RF Adapters Technical Data Sheet

**PE91579**

| Description   | Connector 1 | Connector 2 |
|---------------|-------------|-------------|
| Type          | N Female    | TNC Male    |
| Polarity      | Standard    | Standard    |
| Mating Cycles | 500         | 500         |
| Hex Size      |             | 9/16 in     |

#### Material Specifications

| Description     | Connector 1                |                  | Connector 2                |                  |
|-----------------|----------------------------|------------------|----------------------------|------------------|
|                 | Material                   | Plating          | Material                   | Plating          |
| Type            | N Female                   |                  | TNC Male                   |                  |
| Contact         | Beryllium Copper           | Gold over Nickel | Beryllium Copper           | Gold over Nickel |
| Insulation      | Oxide-Noryl                |                  | Oxide-Noryl                |                  |
| Outer Conductor | Passivated Stainless Steel |                  |                            |                  |
| Body            | Passivated Stainless Steel |                  | Passivated Stainless Steel |                  |
| Coupling Nut    |                            |                  | Passivated Stainless Steel |                  |

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

N Female to TNC Male Miter Right Angle Adapter, DC to 18 GHz 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 Female to TNC Male Miter Right Angle Adapter, DC to 18 GHz PE91579](#)

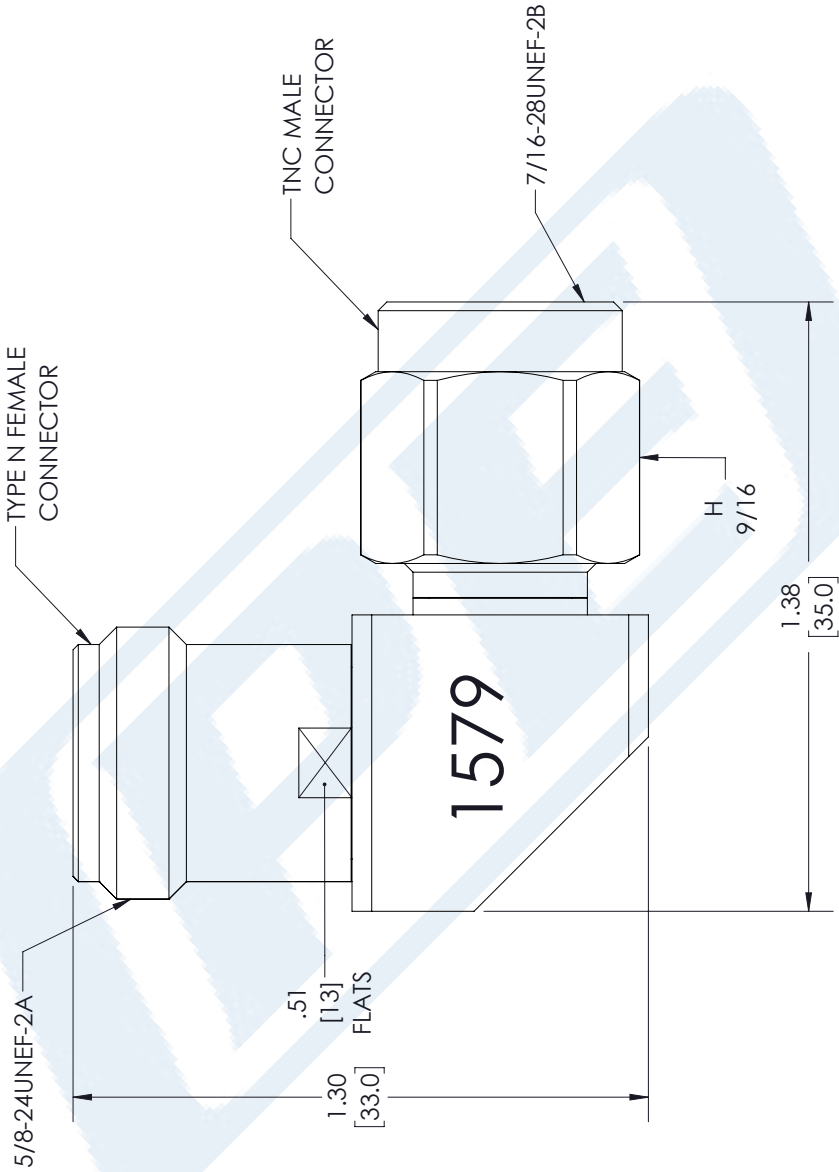
URL: <https://www.pasternack.com/n-jack-tnc-plug-right-angle-adapter-pe91579-p.aspx>

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

PE91579 CAD Drawing

N Female to TNC Male Miter Right Angle Adapter, DC to 18 GHz

| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 07/27/2022 | AGANWANI |



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

TOLERANCES:

|              |       |             |
|--------------|-------|-------------|
| .X = ±.2     | [.08] | FRACTIONS   |
| .XX = ±.02   | [.51] | ± 1/32      |
| .XXX = ±.005 | [.13] | ANGLES ± 1° |

CABLE LENGTH (L) TOLERANCES:

|                             |                |
|-----------------------------|----------------|
| L ≤ 12 [305]                | ±.1 [25] / -0  |
| 12 [305] < L ≤ 60 [1524]    | ±.2 [51] / -0  |
| 60 [1524] < L ≤ 120 [3048]  | ±.4 [102] / -0 |
| 120 [3048] < L ≤ 300 [7620] | ±.6 [152] / -0 |
| 300 [7620] < L              | ±.5% L / -0    |

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

**PE PASTERNAK**  
an INFINITE brand

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THIRD-ANGLE PROJECTION

THE INFORMATION AND  
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SHEET 1 OF 1

SCALE N/A

|      |           |           |          |     |
|------|-----------|-----------|----------|-----|
| SIZE | CAGE CODE | DRAWN BY  | ITEM NO. | REV |
| A    | 53919     | BPUCHASKI | PE91579  | A   |

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