



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

### RF Adapters Technical Data Sheet

**PE91578**

#### Configuration

- N Male Connector 1
- TNC Female 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 PE91578 type N male to TNC female 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 male to female gender configuration built of durable stainless steel. PE91578 type N male to TNC female 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      | 1.5 in [38.1 mm]    |
| Width       | 0.75 in [19.05 mm]  |
| Height      | 1.28 in [32.51 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 Male to TNC Female Miter Right Angle Adapter, DC to 18 GHz PE91578](#)



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

### RF Adapters Technical Data Sheet

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| Description   | Connector 1 | Connector 2 |
|---------------|-------------|-------------|
| Type          | N Male      | TNC Female  |
| Polarity      | Standard    | Standard    |
| Mating Cycles | 500         | 500         |
| Hex Size      | 3/4 in      |             |

#### Material Specifications

| Description     | Connector 1                |                  | Connector 2                |                  |
|-----------------|----------------------------|------------------|----------------------------|------------------|
|                 | Material                   | Plating          | Material                   | Plating          |
| Type            | N Male                     |                  | TNC Female                 |                  |
| 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 Male to TNC Female 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 Male to TNC Female Miter Right Angle Adapter, DC to 18 GHz PE91578](#)

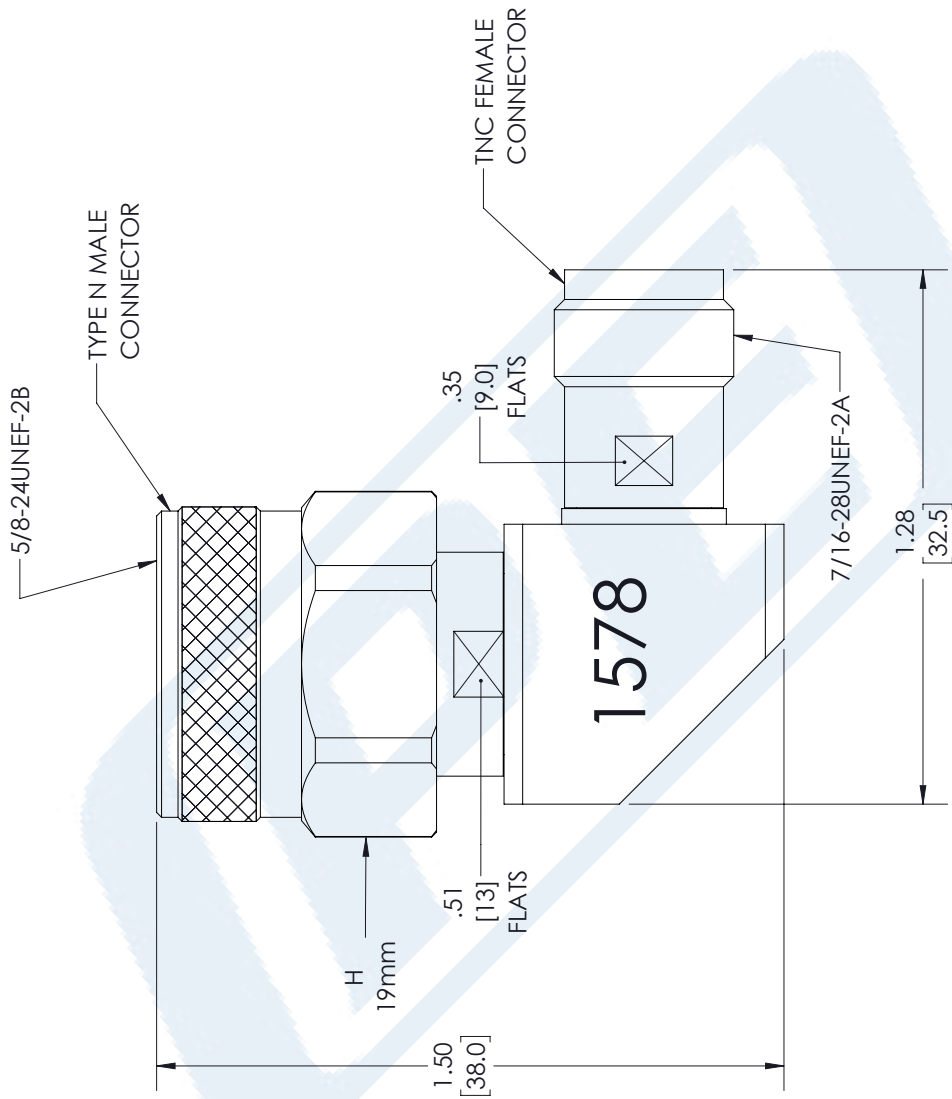
URL: <https://www.pasternack.com/n-plug-tnc-jack-right-angle-adapter-pe91578-p.aspx>

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.

PE91578 CAD Drawing

N Male to TNC Female 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     | [5.08] | 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%      | / -0 |

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

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an INFINITE brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

|      |           |           |          |     |
|------|-----------|-----------|----------|-----|
| SIZE | CAGE CODE | DRAWN BY  | ITEM NO. | REV |
| A    | 53919     | BPUCHASKI | PE91578  | A   |

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