



N Male to C Female Adapter

RF Adapters Technical Data Sheet

PE91446

Configuration

- N Male Connector 1
- C Female Connector 2
- 50 Ohm
- Straight Body Geometry

Features

- Type N interface compliant with MIL-STD-348A
- Type C interface compliant with MIL-STD-348A

Applications

- Allows Connection Between Series
- General Purpose Test

Description

Pasternack's PE91446 type N male to type C female adapter is part of our full line of RF components available for same-day shipping. Our type N to type C adapter has a male to female gender configuration. PE91446 type N male to type C female adapter operates to 11 GHz.

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 | | 11 | GHz |
| Operating Voltage (AC) | | | 1,000 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 2,500 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 1.464 in [37.19 mm] |
| Width | 0.83 in [21.08 mm] |
| Weight | 0.103 lbs [46.72 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 C Female Adapter PE91446](#)



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| Description | Connector 1 | Connector 2 |
|-------------------------|--------------|--------------|
| Type | N Male | C Female |
| Polarity | Standard | Standard |
| Interface Specification | MIL-STD-348A | MIL-STD-348A |

Material Specifications

| Description | Connector 1 | | Connector 2 | |
|-----------------|------------------|---------|-------------|---------|
| | Material | Plating | Material | Plating |
| Type | N Male | | C Female | |
| Contact | Beryllium Copper | Gold | Brass | Gold |
| Insulation | PTFE | | PTFE | |
| Outer Conductor | | | Brass | Nickel |
| Body | Brass | Nickel | Brass | Nickel |
| Gasket | Silicone | | | |
| Coupling Nut | Brass | Nickel | | |

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

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 C Female Adapter PE91446](#)



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N Male to C Female Adapter 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.

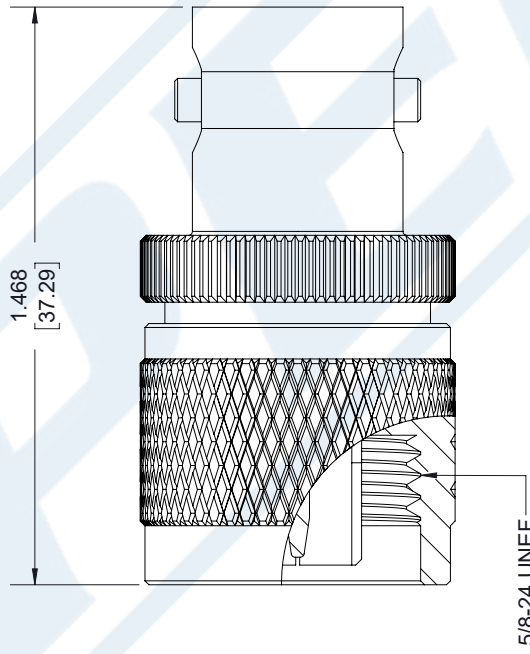
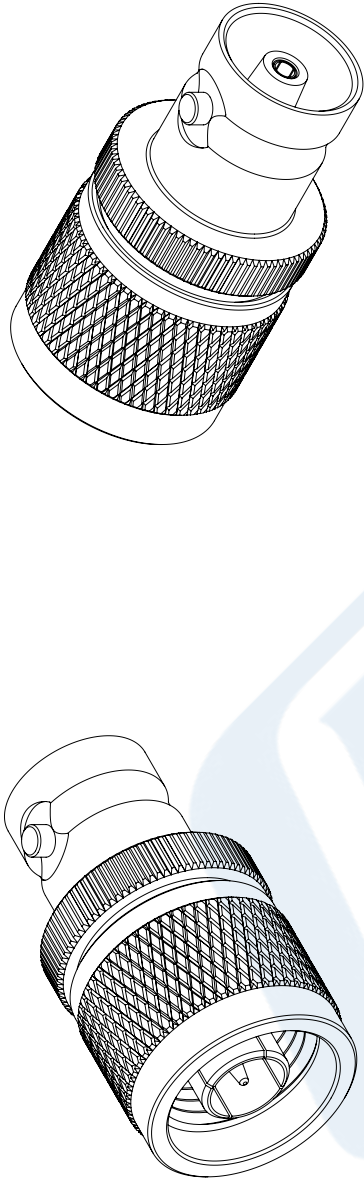
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to C Female Adapter PE91446](https://www.pasternack.com/n-male-c-female-straight-adapter-pe91446-p.aspx)

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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.

PE91446 CAD Drawing

N Male to C Female Adapter



C Female

N Male

STANDARD TOLERANCES

.X ±0.2
 .XX ±0.01
 .XXX ±0.005

*STANDARD TOLERANCES APPLY
 ONLY TO DIMENSIONS IN INCHES



Pasternack Enterprises, Inc.
 P.O. Box 16759 | Irvine | CA | 92623
 Phone: (949) 261-1920 | Fax: (949) 261-7451
 Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE

PE91446

NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
 3. DIMENSIONS ARE IN INCHES [mm].

CAGE CODE 53919

CAD FILE 121917

SCALE N/A

SIZE A

7361