

N Cross Adapter Female-Female-Female-Female



## RF Adapters Technical Data Sheet

ET1253

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# Configuration

- N Female Connector 1
- N Female Connector 2

- 50 Ohms
- Cross Body Geometry

#### Features

- N interface compliant with MIL-STD-348
- Contact plating according to QQ-S-365

## Applications

General Purpose Test

Silver Plated Contact

### Description

Ebeestock's ET12533 type N cross adapter female-female-female-female is part of our full line of RF components available for same-day shipping. Cross adapters (also called 4-way or cross connectors) are four port devices that can be used to split or combine a signal. Unlike power dividers/combiners, however, they do not provide matched impedance at all ports.

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. Ebeestock 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.

### Mechanical Specifications

| Size                    |                      |             |  |  |  |  |
|-------------------------|----------------------|-------------|--|--|--|--|
| Length                  | 1.82 in [46.23 mm]   |             |  |  |  |  |
| Width                   | h 0.62 in [15.75 mm] |             |  |  |  |  |
| Height                  |                      |             |  |  |  |  |
| Weight                  | 0.206 lbs [9         | 3.44 g]     |  |  |  |  |
|                         |                      |             |  |  |  |  |
| Type                    | N Female             | N Female    |  |  |  |  |
| Polarity                | Standard             | Standard    |  |  |  |  |
| Interface Specification | MIL-STD-348          | MIL-STD-348 |  |  |  |  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Cross Adapter Female-Female-Female-Female ET12533



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#### Material Specifications

|                 | Connector 1 |          | Connector 2 |          |  |
|-----------------|-------------|----------|-------------|----------|--|
| Description     | Material    | Plating  | Material    | Plating  |  |
| Туре            | N Female    |          | N Female    |          |  |
| Contact         |             | Silver   |             | Silver   |  |
|                 |             | QQ-S-365 |             | QQ-S-365 |  |
| Insulation      | PTFE        |          | PTFE        |          |  |
| Outer Conductor | Brass       | Nickel   | Brass       | Nickel   |  |
|                 |             | QQ-N-290 |             | QQ-N-290 |  |

## **Environmental Specifications**

Temperature

Operating Range

-65 to +165 deg C

Compliance Certifications (see product page for current document)

## Plotted and Other Data

Notes:

N Cross Adapter Female-Female-Female-Female from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/n-cross-adapter-female-female-female-female-0012533

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

ET12533 CAD Drawing

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