

Precision Bulkhead Mount N Female to N Female Adapter



## RF Adapters Technical Data Sheet

ET1253

## Configuration

- N Female Connector 1
- N Female Connector 2
- 50 Ohms

- Precision Design
- Straight Body Geometry
- Bulkhead Mount Method

#### Features

- Max VSWR of 1.15:1 up to 18 GHz
- Gold over Nickel Plated Beryllium Copper Contact
- Contact Plating per MIL-G-45204

## Applications

General Purpose Test

Rack Mounted Equipment

Precision Test & Measurement

#### Description

Ebeestock's ET12530 precision bulkhead type N female to type N female adapter is part of our full line of RF components available for same-day shipping. Our type N to type N adapter has a female to female gender configuration in a precision design. ET12530 type N female to type N female adapter operates to 18 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.15:1 maximum. This RF type N bulkhead to type N adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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.

ectrical Specifications			
Erequency Range	DC	18	GHz
VSWR		1.15:1	
Insertion Loss		0.22	dB

Electrical Specification Notes: Values at 25°C, sea level. Insertion Loss (dB) = 0.05\*sqrt(fGHz).

## Mechanical Specifications

Size

 Length
 1.5 in [38.1 mm]

 Width
 0.86 in [21.84 mm]

 Weight
 0.104 lbs [47.17 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Precision Bulkhead N Female to N Female Adapter ET12530

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Connector 1	Connector 2
N Female	N Female
Standard	Standard
500	500
	N Female Standard

#### Material Specifications

	Connector 1		Connector 2	
Description	Material	Plating	Material	Plating
Туре	N Female		N Female	
Contact	Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel
		MIL-G-45204		MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor Pa	assivated Stainless Steel		Passivated Stainless Steel	
		ASTM A380		ASTM A380

#### **Environmental Specifications**

Temperature

Operating Range -55 to +100 deg C

Vibration WIL-STD-202, Method 204, Cond. D (20G's)

Salt Spray MIL-STD-202, Method 101, Cond. B, 5% salt solution

Compliance Certifications (see product page for current document)

#### Plotted and Other Data

Notes:

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Precision Bulkhead N Female to N Female Adapter 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Precision Bulkhead N Female to N Female Adapter ET12530

URL: https://www.ebeestock.com/precision-bulkhead-mount-n-female-to-n-female-adapter-0012530

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.

ET12530 CAD Drawing
Precision Bulkhead N Female to N Female Adapter

