

Precision N Male to N Female Adapter



RF Adapters Technical Data Sheet

ET12523

Configuration

- N Male Connector 1
- N Female Connector 2
- 50 Ohm

- Precision Design
- Straight Body Geometry

Features

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

Applications

Connector Saver

- General Purpose Test
- Precision Test & Measurement

Description

Ebeestock's ET12523 precision type N male 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 male to female gender configuration in a precision design. ET12523 type N male to type N female adapter operates to 18 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.15:1 maximum. The ET12523 Ebeestock RF adapter can also be used as a connector saver to extend equipment life.

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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR		1.15:1		

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

Mechanical Specifications

Size

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Precision N Male to N Female Adapter ET12523

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Description	Connector 1	Connector 2	
Type	N Male	N Female	
Polarity	Standard	Standard	
Mating Cycles	500	500	
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]		

Material Specifications

	Connect	tor 1	Connector 2		
Descriptio	n Material	Plating	Material	Plating	
Туре	N Male		N Female		
Contact	Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel	
		MIL-G-45204		MIL-G-45204	
Insulation	Oxide-Noryl		Oxide-Noryl		
Outer Conductor			Passivated Stainless Steel		
				ASTM A380	
Body	Passivated Stainless Steel				
		ASTM A380			
Coupling Nut	Passivated Stainless Steel				
		ASTM A380			

Environmental Specifications

Temperature

Operating Range -55 to +100 deg C

Vibration

MIL-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 N Male 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 99.4% 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: Precision N Male to N Female Adapter ET12523

URL: https://www.ebeestock.com/precision-n-male-to-n-female-adapter-0012523

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.

ET12523 CAD Drawing Precision N Male to N Female Adapter



ET12523 REV

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