

Low PIM N Female to N Female Adapter, With Body Flats



## RF Adapters Technical Data Sheet

ET12472

## Configuration

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

- Low PIM Design
- Straight Body Geometry

#### Features

- Max VSWR of 1.2:1 up to 6 GHz
- PIM levels lower than -155 dBc
- N Interface compliant with IEC 169-16, MIL-C-39012
- Silver Plated Beryllium Copper Contact
- 5µm min Silver Contact Plating

## Applications

General Purpose Test

#### Description

Ebeestock's ET12472 Low PIM 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 Low PIM design. ET12472 type N female to type N female adapter operates to 6 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.2:1 maximum and passive intermodulation of -155 dBc maximum.

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		6	GHz
VSWR			1.2:1	
Passive Intermodulation			-155	dBc
using 2x20W tones (800MHz)				
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms

Electrical Specification Notes: Values at 25°C, sea level.

## Mechanical Specifications

Size

Length 1.5 in [38.1 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low PIM N Female to N Female Adapter With Body Flats ET12472

8th Floor, Building 1, Yongfu Science and Technology Center Industrial Park, Nanzha District 5, Humen,523900, Dongguan, Guangdong, China.



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Width 0.551 in [14 mm] Weight 0.07 lbs [31.75 g]

Description	Connector 1	Connector 2	
Туре	N Female	N Female	
Polarity	Standard	Standard	
Interface Specification	IEC 169-16, MIL-C-39012	IEC 169-16, MIL-C-39012	

#### Material Specifications

	Connector 1		Connector 2		
Description	Material	Plating	Material	Plating	
Туре	N Female		N Female		
Contact	Beryllium Copper	Silver	Beryllium Copper	Silver	
		5 µm minimum		5 µm minimum	
Insulation	PTFE		PTFE		
Outer Conductor	Brass	Tri-Metal	Brass	Tri-Metal	
		3µm minimum		3µm minimum	

# Environmental Specifications Temperature

Operating Range

-45 to +125 deg C

Compliance Certifications (see product page for current document)

### Plotted and Other Data

Notes:

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Low PIM N Female to N Female Adapter With Body Flats 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: Low PIM N Female to N Female Adapter With Body Flats ET12472

URL: https://www.ebeestock.com/low-pim-n-female-to-n-female-adapter-with-body-flats-0012472

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.

ET12472 CAD Drawing
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