

Low PIM N Male to N Female Adapter, Low VSWR



RF Adapters Technical Data Sheet

ET12467

Configuration

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

- Low PIM Design
- Straight Body Geometry

Features

- Max Return Loss of -18 dB up to 12.4 GHz
- PIM levels lower than -165 dBc
- N Interface compliant with MIL-STD-348
- Silver Plated Contact
- 200 µin min Silver Contact Plating

Applications

Connector Saver

General Purpose Test

Description

Ebeestock's ET12467 Low PIM 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 Low PIM design. ET12467 type N male to type N female adapter operates to 12.4 GHz. The ET12467 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		12.4	GHz
Return Loss			-18	dB
Passive Intermodulation			-165	dBc
Dielectric Withstanding Voltage (AC)			2,500	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2	2 to 12.4				GHz
Return Loss, Max	-28	-18				dB

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

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 Male to N Female Adapter Low VSWR ET12467

www.ebeestock.com

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



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Mechanical Specifications

Size

 Length
 1.68 in [42.67 mm]

 Width
 0.812 in [20.62 mm]

 Weight
 0.131 lbs [59.42 g]

Description	Connector 1	Connector 2	
Туре	N Male	N Female	
Polarity	Standard	Standard	
Interface Specification	MIL-STD-348	MIL-STD-348	
Mating Cycles	500	500	
Hex Size	13/16 in.		
Mating Torque	12 to 15 in-lbs [1.36 to 1.70 Nm]		

Material Specifications

	Con	nector 1	Connector 2		
Description	Material	Plating	Material	Plating	
Туре	N Male		N Female		
Contact	Brass	Silver	Beryllium Copper	Silver	
		200 µin minimum		200 µin minimum	
Insulation	PTFE		PTFE		
Outer Conductor			Brass	Tri-Metal	
				100 µin minimum	
Body	Brass	Tri-Metal			
		100 µin minimum			
Coupling Nut	Brass	Tri-Metal			
		100 µin minimum			

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Low PIM N Male to N Female Adapter Low VSWR 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/low-pim-n-male-to-n-female-adapter-low-vswr-0012467

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.

ET12467 CAD Drawing
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