

Low PIM 4.1/9.5 Mini DIN Female to N Male Adapter



# RF Adapters Technical Data Sheet

ET12003

## Configuration

- 4.1/9.5 Mini DIN Female Connector 1
- N Male Connector 2
- 50 Ohms

- Low PIM Design
- Straight Body Geometry

## Features

- Max VSWR of 1.25:1 up to 6 GHz
- PIM levels lower than -160 dBc

- Silver Plated Beryllium Copper Contact
- 5 µm min Silver Contact Plating

## Applications

- Allows Connection Between Series
- General Purpose Test

## Description

Ebeestock's ET12003 Low PIM 4.1/9.5 Mini DIN female to type N male adapter is part of our full line of RF components available for same-day shipping. Our 4.1/9.5 Mini DIN to type N adapter has a female to male gender configuration in a Low PIM design. ET12003 4.1/9.5 Mini DIN female to type N male adapter operates to 6 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.25:1 maximum and passive intermodulation of -160 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			1.25:1	
Passive Intermodulation			-160	dBc
using 2x20W tones				
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 4	4 to 6			GHz
VSWR, Max	1.1:1	1.15:1	1.25:1			

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low PIM 4.1/9.5 Mini DIN Female to N Male Adapter ET12003



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

## Mechanical Specifications

Size

 Length
 1.85 in [46.99 mm]

 Width
 0.79 in [20.07 mm]

 Weight
 0.159 lbs [72.12 g]

Description	Connector 1	Connector 2
Туре	4.1/9.5 Mini DIN Female	N Male
Polarity	Standard	Standard
Mating Cycles	500	500
Hex Size		20 mm

### **Material Specifications**

	Connector 1		Connector 2		
Description	Material	Plating	Material	Plating	
Туре	4.1/9.5 Mini DIN Female		N Male		
Contact	Beryllium Copper	Silver	Beryllium Copper	Silver	
		5 µm minimum		5 µm minimum	
Insulation	PTFE		PTFE		
Outer Conductor	Brass	Tri-Metal			
		3 µm minimum			
Body			Brass	Tri-Metal	
				3 µm minimum	
Coupling Nut			Brass	Tri-Metal	
				3 µm minimum	

## **Environmental Specifications**

Temperature

Operating Range -55 to +120 deg C

Compliance Certifications (see product page for current document)

## Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low PIM 4.1/9.5 Mini DIN Female to N Male Adapter ET12003

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Low PIM 4.1/9.5 Mini DIN Female to N Male 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: Low PIM 4.1/9.5 Mini DIN Female to N Male Adapter ET12003

URL: https://www.ebeestock.com/low-pim-4-1-9-5-mini-din-female-to-n-male-adapter-0012003

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.

ET12003 CAD Drawing
Low PIM 4.1/9.5 Mini DIN Female to N Male Adapter

