

Low PIM N Male to 7/16 DIN Female Adapter, Low VSWR



# RF Adapters Technical Data Sheet

ET12095

## Configuration

- N Male Connector 1
- 7/16 DIN Female Connector 2
- 50 Ohms

- Low PIM Design
- Straight Body Geometry

### Features

- Max Return Loss of -20 dB up to 8 GHz
- PIM levels lower than -168 dBc
- N Interface compliant with MIL-STD-348
- 7/16 DIN Interface compliant with IEC 169-4
- Silver Plated Beryllium Copper Contact
- 200 µin min Silver Contact Plating

# Applications

Allows Connection Between Series

General Purpose Test

### Description

Ebeestock's ET12095 Low PIM type N male to 7/16 DIN female adapter is part of our full line of RF components available for same-day shipping. Our type N to 7/16 DIN adapter has a male to female gender configuration in a Low PIM design. ET12095 type N male to 7/16 DIN female adapter operates to 8 GHz.

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		8	GHz
Return Loss			-20	dB
Passive Intermodulation			-168	dBc
Dielectric Withstanding Voltage (AC)			2,000	Vrms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 1	1 to 4	4 to 8			GHz
Return Loss, Max	-36	-25	-20			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 7/16 DIN Female Adapter Low VSWR ET12095

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
 1.64 in [41.66 mm]

 Width
 1.142 in [29.01 mm]

 Weight
 0.215 lbs [97.52 g]

Description	Connector 1	Connector 2	
Туре	N Male	7/16 DIN Female	
Polarity	Standard	Standard	
Interface Specification	MIL-STD-348	IEC 169-4	
Mating Cycles	500	500	
Hex Size	13/16 in.		
Mating Torque	12 to 15 in-lbs [1.36 to 1.70 Nm]		

#### Material Specifications

Connector 1		Connector 2		
Material	Plating	Material	Plating	
N Male		7/16 DIN Female		
Beryllium Copper	Silver	Beryllium Copper	Silver	
	200 µin minimum		200 µin minimum	
PTFE		PTFE		
		Brass	Tri-Metal	
			100 μin minimum	
Brass	Tri-Metal			
	100 µin minimum			
Brass	Tri-Metal			
	100 µin minimum			
	Material  N Male  Beryllium Copper  PTFE  Brass	MaterialPlatingN MaleSilverBeryllium CopperSilver200 μin minimumPTFEBrassTri-MetalBrassTri-MetalBrassTri-Metal	MaterialPlatingMaterialN Male7/16 DIN FemaleBeryllium CopperSilverBeryllium Copper200 μin minimumPTFEPTFEPTFEBrassBrassTri-Metal 100 μin minimumBrassTri-Metal	

## **Environmental Specifications**

Temperature

Operating Range -55 to +155 deg C

Compliance Certifications (see product page for current document)

## Plotted and Other Data

Notes:

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Low PIM N Male to 7/16 DIN 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.

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 7/16 DIN Female Adapter Low VSWR ET12095

URL: https://www.ebeestock.com/low-pim-n-male-to-7-16-din-female-adapter-low-vswr-0012095

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.

ET12095 CAD Drawing
Low PIM N Male to 7/16 DIN Female Adapter Low VSWR

