

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



# RF Adapters Technical Data Sheet

ET12093

## Configuration

- N Male Connector 1
- 7/16 DIN Male 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 Brass Contact
- 200 µin min Silver Contact Plating

# Applications

Allows Connection Between Series

General Purpose Test

## Description

Ebeestock's ET12093 Low PIM type N male to 7/16 DIN male 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 male gender configuration in a Low PIM design. ET12093 type N male to 7/16 DIN male 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)			1,000	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 Male Adapter Low VSWR ET12093

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
 1.95 in [49.53 mm]

 Width
 1.25 in [31.75 mm]

 Weight
 0.29 lbs [131.54 g]

Description	Connector 1	Connector 2		
Туре	N Male	7/16 DIN Male		
Polarity	Standard	Standard		
Interface Specification	MIL-STD-348	IEC 169-4 (0.232 dia. Enhancement)		
Mating Cycles	500	500		
Hex Size	13/16 in.	1 1/2 in.		
Mating Torque	12 to 15 in-lbs [1.36 to 1.70	12 to 15 in-lbs [1.36 to 1.70 Nm] 221 to 265 in-lbs [24.97 to 29.95 Nm]		

### Material Specifications

	Connector 1		Conn	ector 2
Description	Material	Plating	Material	Plating
Туре	N Male		7/16 DIN Male	
Contact	Brass	Silver	Brass	Silver
		200 µin minimum		200 µin minimum
Insulation	PTFE		PTFE	
Body	Brass	Tri-Metal	Brass	Tri-Metal
		100 µin minimum		100 µin minimum
Coupling Nut	Brass	Tri-Metal	Brass	Tri-Metal
		100 µin minimum		100 µin minimum

## 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 Male 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 Male Adapter Low VSWR ET12093

URL: https://www.ebeestock.com/low-pim-n-male-to-7-16-din-male-adapter-low-vswr-0012093

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.

ET12093 CAD Drawing
Low PIM N Male to 7/16 DIN Male Adapter Low VSWR

