

Low PIM N Female to 7/16 DIN Female Adapter



RF Adapters Technical Data Sheet

ET12101

Configuration

- N Female 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 -165 dBc
- N Interface compliant with MIL-STD-348

- 7/16 DIN Interface compliant with IEC 169-4
- Gold over Nickel Plated Beryllium Copper Contact
- 30 μin min Gold over Nickel Contact Plating

Applications

• Allows Connection Between Series

General Purpose Test

Description

Ebeestock's ET12101 Low PIM type N female 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 female to female gender configuration in a Low PIM design. ET12101 type N female 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			-165	dBc
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 1	1 to 4	4 to 8			GHz
Return Loss, Max	-36	-25	-20			dB

Electrical Specification 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 N Female to 7/16 DIN Female Adapter ET12101



Low PIM N Female to 7/16 DIN Female Adapter



RF Adapters Technical Data Sheet ET12101

Values at 25°C, sea level.

Mechanical Specifications

Size

Length 1.95 in [49.53 mm] Width 1.14 in [28.96 mm] 0.233 lbs [105.69 g]

Description	Connector 1	Connector 2
Туре	N Female	7/16 DIN Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	IEC 169-4 (0.232 dia. Enhancement)
Mating Cycles	500	500

Material Specifications

	Connector 1		Connector 2		
Description	Material	Plating	Material	Plating	
Туре	N Female		7/16 DIN Female		
Contact	Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel	
		30 µin minimum		30 µin minimum	
Insulation	PTFE		PTFE		
Outer Conductor	Brass	Nickel	Brass	Nickel	
		150 µin minimum		150 µin minimum	

Environmental Specifications

Temperature

Operating Range -40 to +155 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 N Female to 7/16 DIN Female Adapter ET12101

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



Low PIM N Female to 7/16 DIN Female Adapter



RF Adapters Technical Data Sheet ET12101

Low PIM N Female to 7/16 DIN Female 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 N Female to 7/16 DIN Female Adapter ET12101

URL: https://www.ebeestock.com/low-pim-n-female-to-7-16-din-female-adapter-0012101

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.

ET12101 CAD Drawing
Low PIM N Female to 7/16 DIN Female Adapter

