

Low PIM N Male to SMA Female Adapter



RF Adapters Technical Data Sheet

ET12474

Configuration

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

- Low PIM Design
- Straight Body Geometry

Features

- Max VSWR of 1.2:1 up to 6 GHz
- PIM levels lower than -160 dBc

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

Applications

Allows Connection Between Series

General Purpose Test

Description

Ebeestock's ET12474 Low PIM type N male to SMA female adapter is part of our full line of RF components available for same-day shipping. Our type N to SMA adapter has a male to female gender configuration in a Low PIM design. ET12474 type N male to SMA female adapter operates to 6 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.2:1 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

Minimum	Typical	Maximum	Units
DC		6	GHz
		1.2:1	
		0.1	dB
		-160	dBc
		335	Vrms
		1,000	Vrms
			DC 6 1.2:1 0.1 -160 335

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

Mechanical Specifications

Size

Length 1.24 in [31.5 mm]

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 SMA Female Adapter ET12474

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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 Width
 0.79 in [20.07 mm]

 Weight
 0.092 lbs [41.73 g]

Description	Connector 1	Connector 2
Туре	N Male	SMA Female
Polarity	Standard	Standard
Hex Size	20 mm	

Material Specifications

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

Environmental Specifications

Temperature

Operating Range -45 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Low PIM N Male to SMA 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 Male to SMA Female Adapter ET12474

URL: https://www.ebeestock.com/low-pim-n-male-to-sma-female-adapter-0012474

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.

ET12474 CAD Drawing Low PIM N Male to SMA Female Adapter

