

SMA Male to N Female Adapter



RF Adapters Technical Data Sheet

ET12561

Configuration

- SMA Male Connector 1
- N Female Connector 2

- 50 Ohms
- Straight Body Geometry

Features

- Max VSWR of 1.3:1 up to 11 GHz
- SMA Interface compliant with MIL-STD-348A
- N Interface compliant with MIL-STD-348A
- Gold Plated Beryllium Copper Contact
- 50µ in min Gold Contact Plating

Applications

Allows Connection Between Series
 G

General Purpose Test

Description

Ebeestock's ET12561 SMA male to type N female adapter is part of our full line of RF components available for same-day shipping. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our SMA to type N adapter has a male to female gender configuration. ET12561 SMA male to type N female adapter operates to 11 GHz. The Ebeestock RF adapter provides good VSWR of 1.3:1 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		11	GHz
VSWR			1.3:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

 Length
 1.22 in [30.99 mm]

 Width
 0.669 in [16.99 mm]

 Height
 0.075 lbs [34.02 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male to N Female Adapter ET12561

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Description	Connector 1	Connector 2		
Туре	SMA Male	N Female		
Polarity	Standard	Standard		
Interface Specification	MIL-STD-348A	MIL-STD-348A		
Hex Size	5/16 in			
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]			
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]			

Material Specifications

	Connector 1		Connector 2		
Description	Material	Plating	Material	Plating	
Туре	SMA Male		N Female		
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold	
		50μ in. minimum		50μ in. minimum	
Insulation	PTFE		PTFE		
Outer Conductor			Brass	Nickel	
				100µ in. minimum	
Body	Brass	Nickel			
		100μ in. minimum			
Gasket	Silicone				
Coupling Nut	Brass	Nickel			
		100μ in. minimum			

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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SMA Male to N 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: SMA Male to N Female Adapter ET12561

URL: https://www.ebeestock.com/sma-male-to-n-female-adapter-0012561

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.

ET12561 CAD Drawing SMA Male to N Female Adapter

