

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



RF Adapters Technical Data Sheet

ET12096

Configuration

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

- Low PIM Design
- Straight Body Geometry

Features

- Max VSWR of 1.09:1 up to 7.5 GHz
- PIM levels lower than -170 dBc
- SMA Interface compliant with MIL-STD-348
- 7/16 DIN Interface compliant with IEC 169-4
- Gold Plated Beryllium Copper Contact
- 200 µin min Gold Contact Plating

Applications

Allows Connection Between Series

General Purpose Test

Description

Ebeestock's ET12096 Low PIM SMA female to 7/16 DIN male 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 7/16 DIN adapter has a female to male gender configuration in a Low PIM design. ET12096 SMA female to 7/16 DIN male adapter operates to 7.5 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.09:1 maximum and passive intermodulation of -170 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

Description	Minimum	Typical	Maximum Units	
Frequency Range	DC	7.5 GHz		GHz
VSWR	1.09:1			
Passive Intermodulation	-170 dBc			dBc
Dielectric Withstanding Voltage (AC)			1,000	Vrms

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

Mechanical Specifications

Size

Length
Width
1.18 in [29.97 mm]
1.25 in [31.75 mm]
0.196 lbs [88.9 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Low PIM SMA Female to 7/16 DIN Male Adapter Low VSWR ET12096

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



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Description	Connector 1	Connector 2	
Туре	SMA Female	7/16 DIN Male	
Polarity	Standard	Standard	
Interface Specification	MIL-STD-348	IEC 169-4	
Mating Cycles	100	500	
Hex Size	1 1/2 in.		
Mating Torque	221 to 265 in-lbs [24.97 to 29.95 Nm]		

Material Specifications

	Connector 1		Connector 2	
Description	Material	Plating	Material	Plating
Туре	SMA Female		7/16 DIN Male	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
		200 µin minimum		200 µin minimum
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Tri-Metal		
		100 µin minimum		
Body			Brass	Tri-Metal
				100 µin minimum
Coupling Nut			Brass	Tri-Metal
				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 SMA Female 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 SMA Female to 7/16 DIN Male Adapter Low VSWR ET12096

URL: https://www.ebeestock.com/low-pim-sma-female-to-7-16-din-male-adapter-low-vswr-0012096

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.

ET12096 CAD Drawing
Low PIM SMA Female to 7/16 DIN Male Adapter Low VSWR

