

2.92mm Female to 2.4mm Female Adapter



RF Adapters Technical Data Sheet

ET11947

Configuration

- 2.92mm Female Connector 1
- 2.4mm Female Connector 2

- 50 Ohm
- Straight Body Geometry

Features

- Max VSWR of 1.2:1 up to 40 GHz
- Contact plating according to MIL-G-45204
- Gold over Nickel Plated Beryllium Copper Contact

Applications

Allows Connection Between Series

General Purpose Test

Description

Ebeestock's ET11947 2.92mm female to 2.4mm female adapter is part of our full line of RF components available for sameday shipping. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. The 2.4mm connector mates mechanically with commercially available 1.85mm (V) connectors. Our 2.92mm to 2.4mm adapter has a female to female gender configuration built of durable stainless steel. ET11947 2.92mm female to 2.4mm female adapter operates to 40 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.2:1 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		40	GHz
VSWR			1.2:1	
Insertion Loss			0.32	dB

Electrical Specification Notes: Insertion Loss = 0.05 * sqrt(fGHz)

Mechanical Specifications

Size

 Length
 0.748 in [19 mm]

 Width
 0.25 in [6.35 mm]

 Weight
 0.0114 lbs [5.17 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2.92mm Female to 2.4mm Female Adapter ET11947

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



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Connector 1	Connector 2	
2.92mm Female	2.4mm Female	
Standard	Standard	
500	500	
8 in-lbs [0.90 Nm] max	8 in-lbs 0.90 Nm max	
	2.92mm Female Standard 500	

Material Specifications

	Connect	tor 1	Connec	ctor 2
Descriptio	n Material	Plating	Material	Plating
Туре	2.92mm Female		2.4mm Female	
Contact	Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel
		MIL-G-45204		MIL-G-45204
nsulation	Oxide-Noryl		Oxide-Noryl	
Outer Conductor Passivated Stainless Steel			Passivated Stainless Steel	
		ASTM A380		ASTM A380
Body	Passivated Stainless Steel		Passivated Stainless Steel	
		ASTM A380		ASTM A380

Environmental Specifications

Temperature

Operating Range

-55 to +150 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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2.92mm Female to 2.4mm Female Adapter from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/2-92mm-female-to-2-4mm-female-adapter-0011947

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.

