

1.0mm Male to 1.0mm Male Adapter



1.0 mm SOLT Calibration

# RF Adapters Technical Data Sheet

ET11865

## Configuration

- 1.0mm Male Connector 1
- 1.0mm Male Connector 2

- 50 Ohm
- Straight Body Geometry

#### Features

- Max VSWR of 1.28:1 up to 110 GHz
- Contact plating according to MIL-DTL-45204
- Gold Plated Beryllium Copper Contact

### Applications

- General Purpose Test
- Metrology
- 1.0 mm Calibration Adapters
- 110 GHz Calibrations
   1.0 mm Calibration

### Description

Ebeestock's ET11865 1.0mm male to 1.0mm male adapter is part of our full line of RF components available for same-day shipping. Our 1.0mm to 1.0mm adapter has a male to male gender configuration built of durable stainless steel. ET11865 1.0mm male to 1.0mm male adapter operates to 110 GHz. The Ebeestock RF adapter provides good VSWR of 1.28:1 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		110	GHz
VSWR			1.28:1	
Dielectric Withstanding Voltage (AC)			650	Vrms
Inner Conductor DC Resistance	4 r		mOhms	
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage			-120	dB

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 1.0mm Male to 1.0mm Male Adapter ET11865



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## Mechanical Specifications

Size

Description	Connector 1	Connector 2
Туре	1.0mm Male	1.0mm Male
Polarity	Standard	Standard

#### Material Specifications

	Connector 1		Connector 2		
Descriptio	n Material	Plating	Material	Plating	
Туре	1.0mm Male		1.0mm Male		
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold	
		MIL-DTL-45204		MIL-DTL-45204	
Insulation	PEI		PEI		
Body	Passivated Stainless Steel	Passivated Stainless Steel			
Coupling Nut	Passivated Stainless Steel		Passivated Stainless Steel		

## **Environmental Specifications**

Temperature
Operating Range -55 to +165 deg C

Per MIL-STD-202, Method 213, Test Condition I Shock Per MIL-STD-202, Method 204, Test Condition D Vibration Per MIL-STD-202, Method 107, Test Condition B Thermal Shock Per MIL-STD-202, Method 101, Test Condition B Salt Spray

Solution = 5%

Compliance Certifications (see product page for current document)

#### Plotted and Other Data

Notes:

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1.0mm Male to 1.0mm Male 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 1.0mm Male to 1.0mm Male Adapter ET11865

URL: https://www.ebeestock.com/1-0mm-male-to-1-0mm-male-adapter-0011865

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.

