

1.0mm Female to 1.0mm Female Adapter



1.0 mm SOLT Calibration

RF Adapters Technical Data Sheet

ET11866

Configuration

- 1.0mm Female Connector 1
- 1.0mm Female 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

110 GHz Calibrations

- Metrology
- 1.0 mm Calibration Adapters

Description

Ebeestock's ET11866 1.0mm female to 1.0mm female adapter is part of our full line of RF components available for sameday shipping. Our 1.0mm to 1.0mm adapter has a female to female gender configuration built of durable stainless steel. ET11866 1.0mm female to 1.0mm female 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	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 Female to 1.0mm Female Adapter ET11866



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Mechanical Specifications

Size

Description	Connector 1	Connector 2	
Type	1.0mm Female	1.0mm Female	
Polarity	Standard	Standard	

Material Specifications

	Connect	or 1	Conne	ctor 2
Description	n Material	Plating	Material	Plating
Туре	1.0mm Female		1.0mm Female	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
		MIL-DTL-45204		MIL-DTL-45204
Insulation	PEI		PEI	
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

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

Solution = 5%

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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



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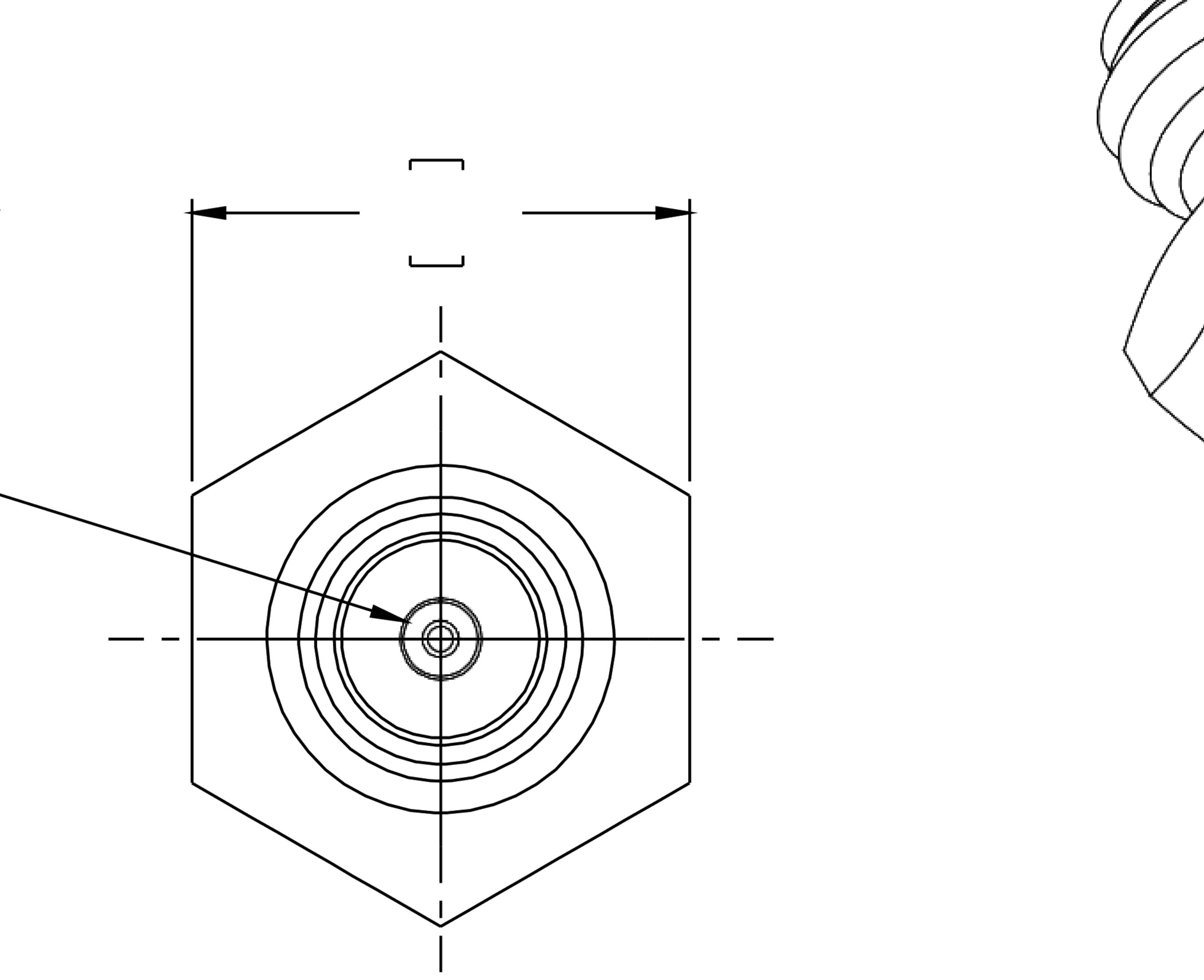
ET11866

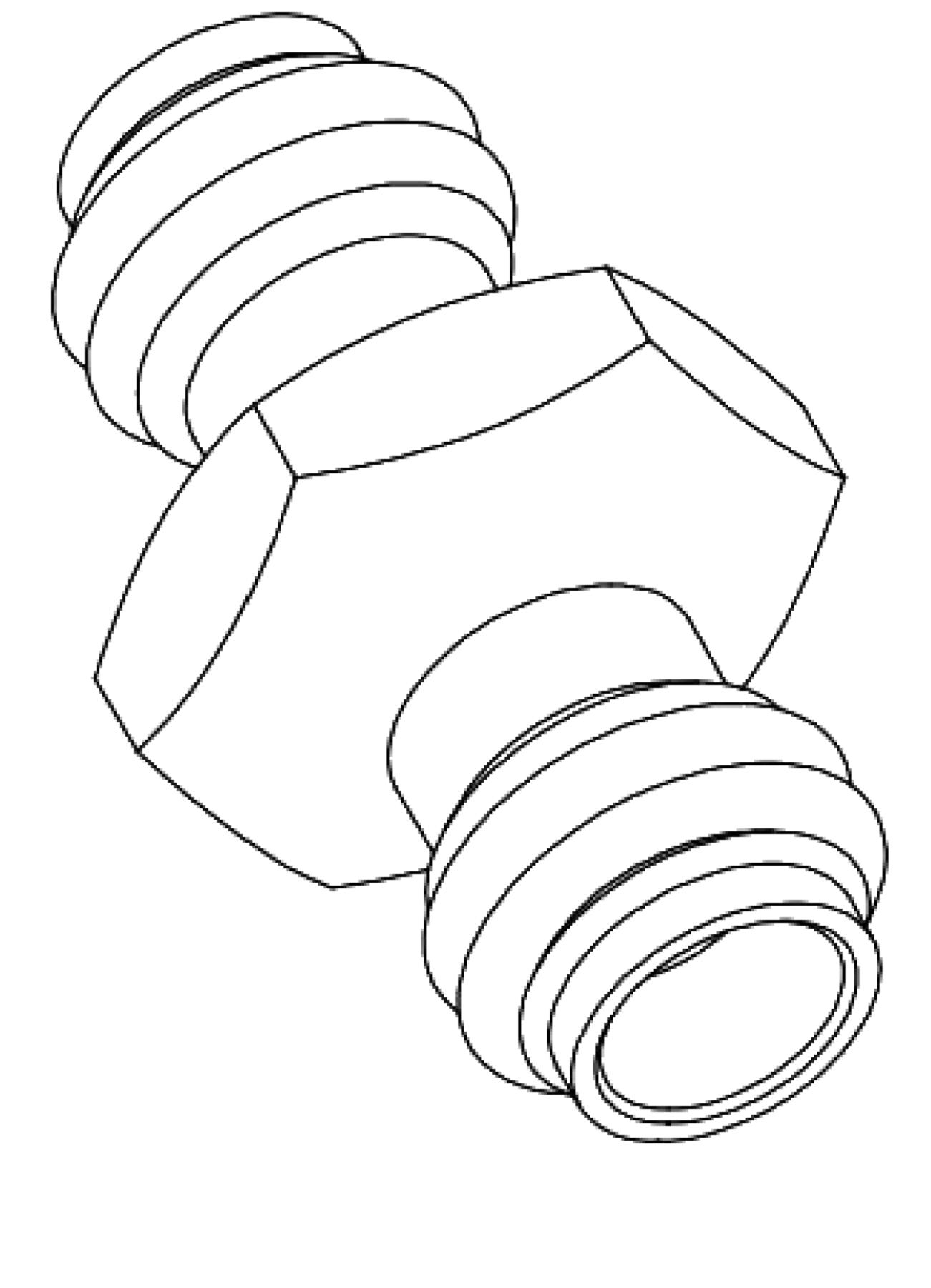
1.0mm Female to 1.0mm Female Adapter from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 1.0mm Female to 1.0mm Female Adapter ET11866

URL: https://www.ebeestock.com/1-0mm-female-to-1-0mm-female-adapter-0011866

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.





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Ebeestock.com

8th Floor, Building 1, Yongfu Science
and Technology Center Industrial Park,
trict 5, Humen,523900, Dongguan, Guange
www.ebeestock.com Email: sales@ebees