

3.5mm Male to 2.4mm Female Adapter



# RF Adapters Technical Data Sheet

ET11946

## Configuration

- 3.5mm Male Connector 1
- 2.4mm Female Connector 2

- 50 Ohm
- Straight Body Geometry

#### Features

- Max VSWR of 1.3:1 up to 34 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 ET11946 3.5mm male to 2.4mm female adapter is part of our full line of RF components available for sameday shipping. The 3.5mm connector mates mechanically with commercially available SMA and 2.92mm (K) connectors. The 2.4mm connector mates mechanically with commercially available 1.85mm (V) connectors. Our 3.5mm to 2.4mm adapter has a male to female gender configuration built of durable stainless steel. ET11946 3.5mm male to 2.4mm female adapter operates to 34 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		34	GHz
VSWR			1.3:1	
Insertion Loss			0.292	dB

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

## Mechanical Specifications

Size

 Length
 0.784 in [19.91 mm]

 Width
 0.312 in [7.92 mm]

 Weight
 0.0115 lbs [5.22 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 3.5mm Male to 2.4mm Female Adapter ET11946

www.ebeestock.com

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	3.5mm Male	2.4mm Female	
Polarity	Standard	Standard	
Mating Cycles	500	500	
Mating Torque	8 in-lbs [0.90 Nm] max	8 in-lbs 0.90 Nm max	

## Material Specifications

Connect	Connector 1		ector 2
n Material	Plating	Material	Plating
3.5mm Male		2.4mm Female	
Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel
	MIL-G-45204		MIL-G-45204
PEI		PEI	
r		Passivated Stainless Steel	
			ASTM A380
Passivated Stainless Steel		Passivated Stainless Steel	
	ASTM A380		ASTM A380
Passivated Stainless Steel			
	ASTM A380		
	3.5mm Male Beryllium Copper  PEI  Passivated Stainless Steel	3.5mm Male  Beryllium Copper Gold over Nickel MIL-G-45204  PEI  Passivated Stainless Steel  ASTM A380  Passivated Stainless Steel	3.5mm Male 3.5mm Male 2.4mm Female  Beryllium Copper Gold over Nickel MIL-G-45204  PEI Passivated Stainless Steel  Passivated Stainless Steel  ASTM A380  Passivated Stainless Steel

### **Environmental Specifications**

Temperature

Operating Range -55 to +150 deg C

Vibration MIL-STD-202, method 204, test condition D (20 G's) Salt Spray MIL-STD-202, method 101, cond. B, 5% salt solution

Compliance Certifications (see product page for current document)

## Plotted and Other Data

Notes:

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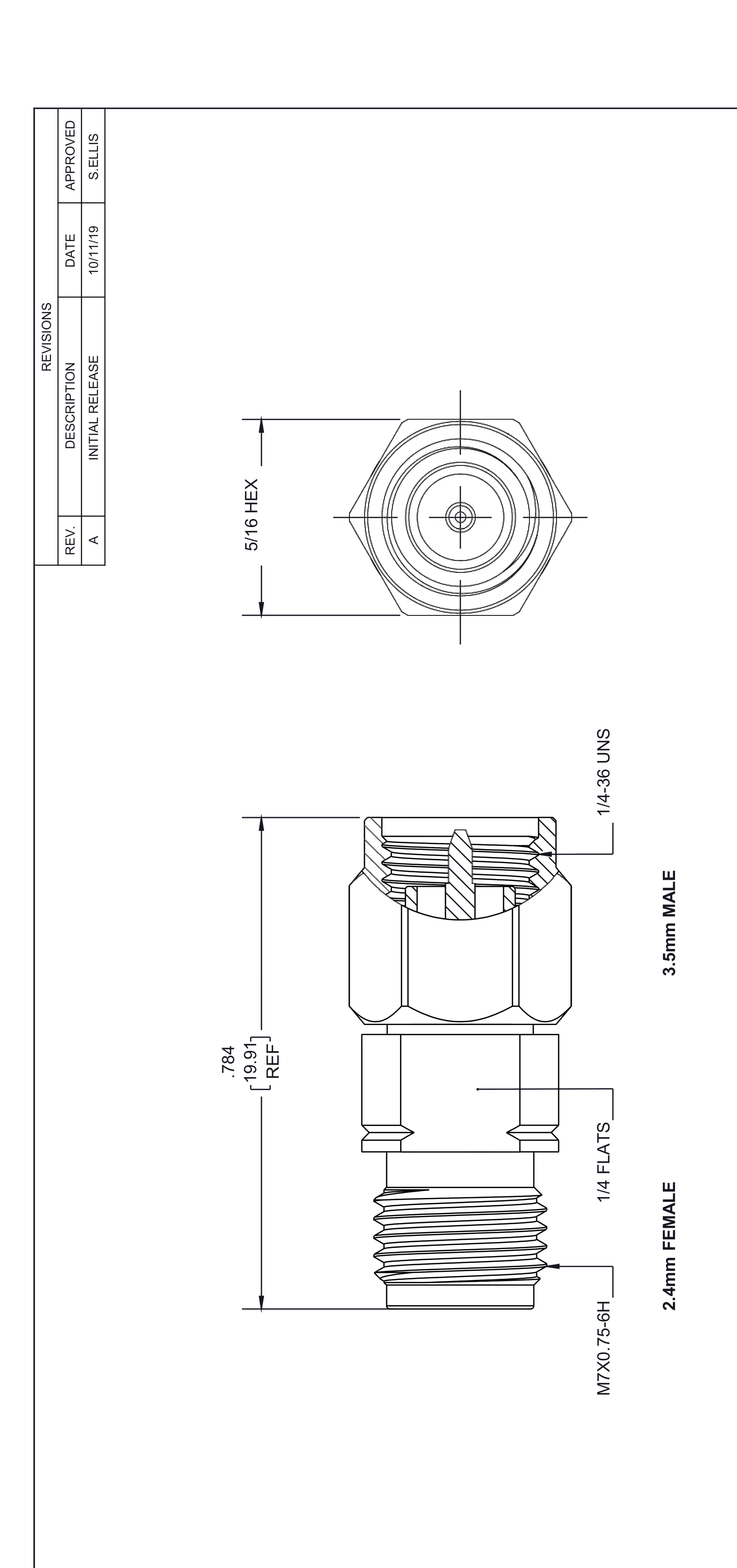
ET11946

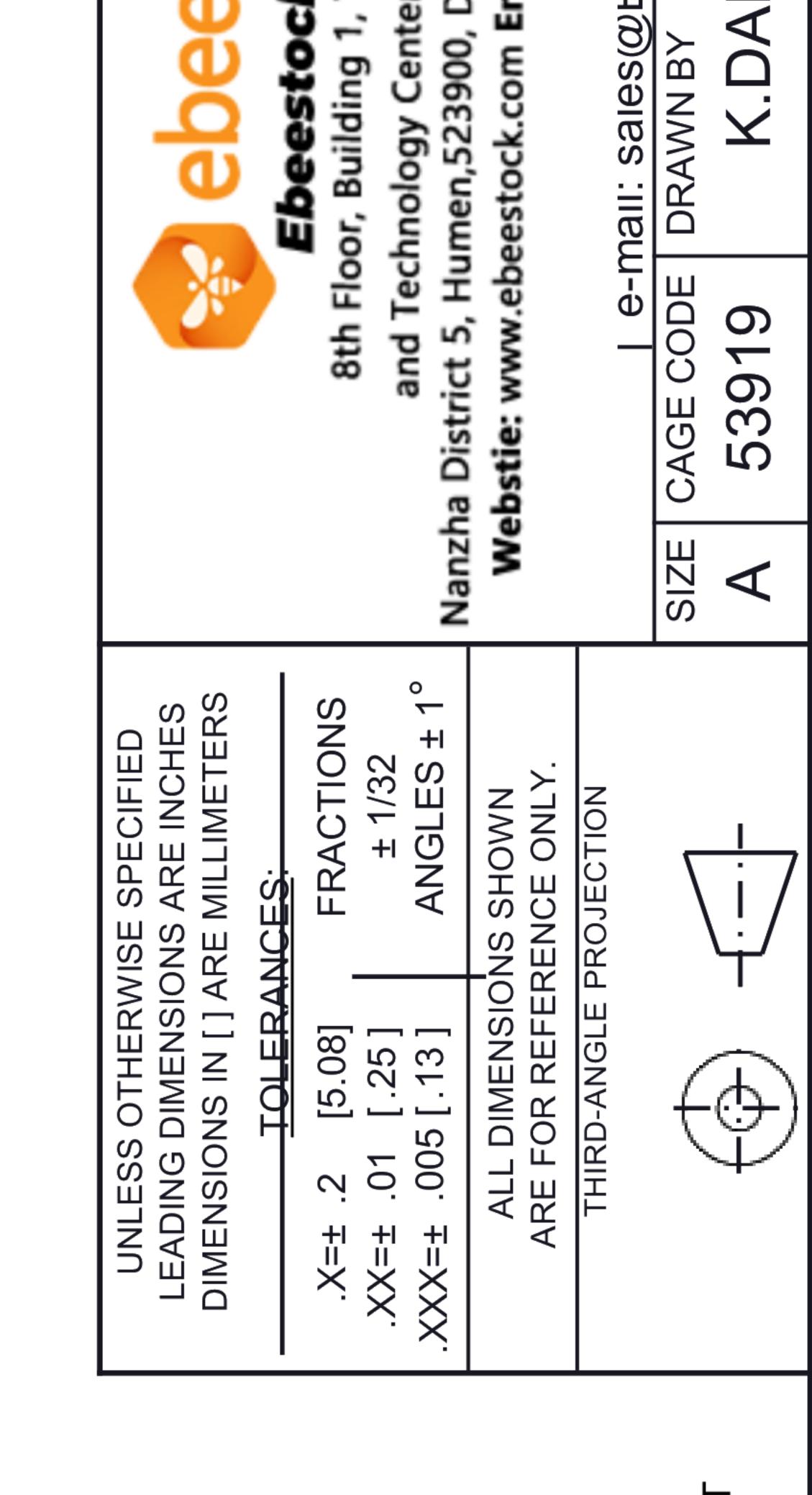
3.5mm Male to 2.4mm Female Adapter from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

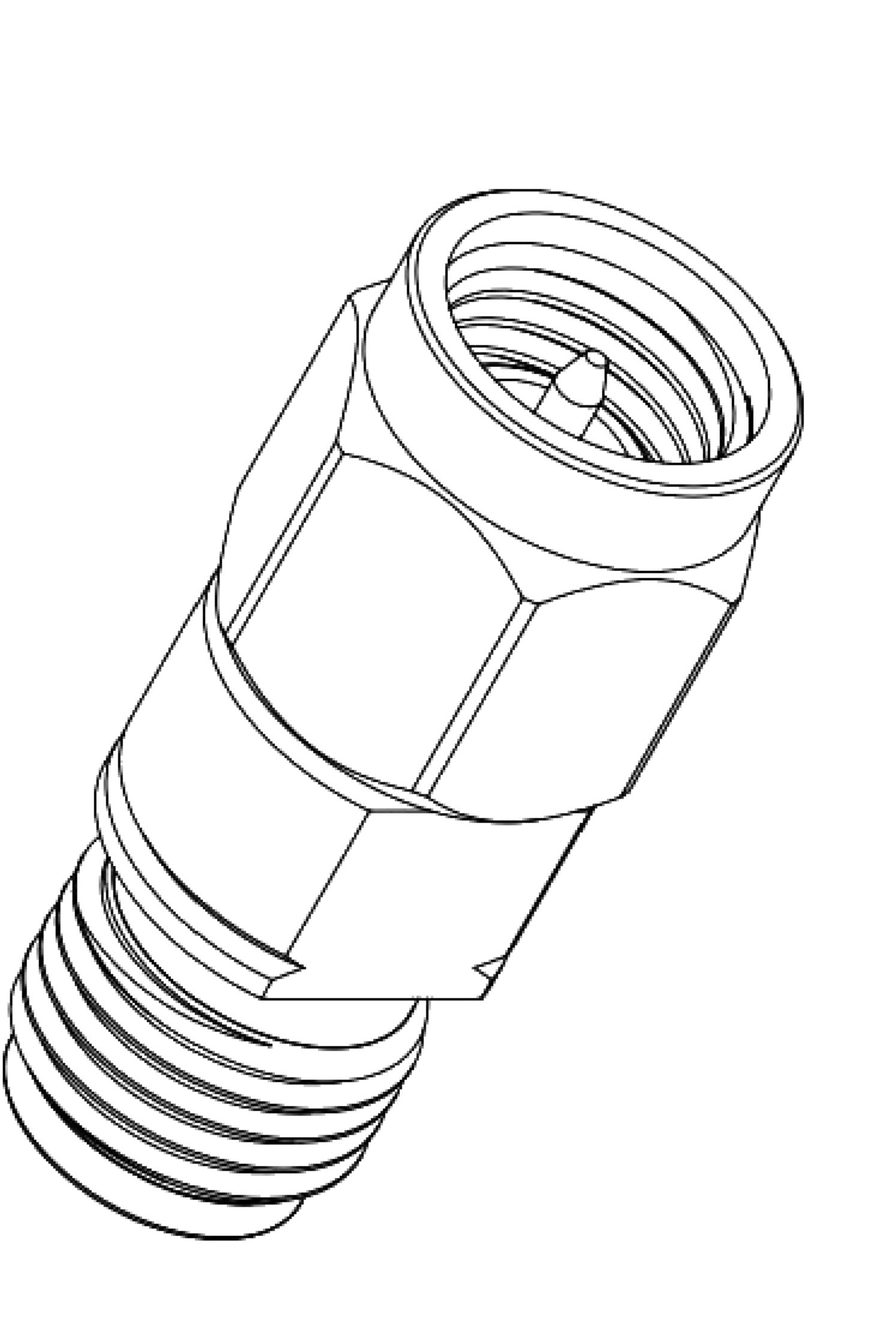
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URL: https://www.ebeestock.com/3-5mm-male-to-2-4mm-female-adapter-0011946

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