

Precision 3.5mm Male to 7mm Adapter



# RF Adapters Technical Data Sheet

ET1211

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## Configuration

- 3.5mm Male Connector 1
- 7mm Sexless Connector 2
- 50 Ohms

- Precision Design
- Straight Body Geometry

#### Features

- Max VSWR of 1.15:1 up to 18 GHz
- Gold over Nickel Plated Beryllium Copper Contact
- Contact Plating per MIL-G-45204

## Applications

Allows Connection Between Series
 General Purpose Test

Precision Test & Measurement

#### Description

Ebeestock's ET12115 precision 3.5mm male to 7mm sexless adapter is part of our full line of RF components available for same-day shipping. The 3.5mm connector mates mechanically with commercially available SMA and 2.92mm (K) connectors. Our 3.5mm to 7mm adapter has a male to sexless gender configuration built of durable stainless steel in a precision design. ET12115 3.5mm male to 7mm sexless adapter operates to 18 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.15:1 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.

lectrical Specifications			
Erequency Range	DC	18	GHz
VSWR		1.15:1	
Insertion Loss		0.22	dB

Electrical Specification Notes: Values at 25°C, sea level. Insertion Loss (dB) = 0.05\*sqrt(fGHz).

#### Mechanical Specifications

Size

 Length
 1.389 in [35.28 mm]

 Width
 0.87 in [22.1 mm]

 Weight
 0.103 lbs [46.72 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Precision 3.5mm Male to 7mm Sexless Adapter ET12115

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Description	Connector 1	Connector 2
Type	3.5mm Male	7mm Sexless
Polarity	Standard	Standard
Mating Cycles	500	500

#### Material Specifications

	Connector 1		Connector 2	
Description	n Material	Plating	Material	Plating
Туре	3.5mm Male		7mm Sexless	
Contact	Beryllium Copper	Gold over Nickel	Beryllium Copper	Gold over Nickel
		MIL-G-45204		MIL-G-45204
Insulation	Oxide-Noryl		Oxide-Noryl	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
		ASTM A380		ASTM A380
Coupling Nut	Passivated Stainless Steel		Passivated Stainless Steel	
		ASTM A380		ASTM A380

### Environmental Specifications

Temperature

Operating Range -55 to +100 deg C

Vibration MIL-STD-202, Method 204, Cond. D (20G'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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Precision 3.5mm Male to 7mm Sexless Adapter 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: Precision 3.5mm Male to 7mm Sexless Adapter ET12115

URL: https://www.ebeestock.com/precision-3-5mm-male-to-7mm-adapter-0012115

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.

ET12115 CAD Drawing
Precision 3.5mm Male to 7mm Sexless Adapter

