

SMA Female to 3.5mm Male Adapter



# RF Adapters Technical Data Sheet

ET1276

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# Configuration

- SMA Female Connector 1
- 3.5mm Male Connector 2

- 50 Ohms
- Straight Body Geometry

## Features

- Max VSWR of 1.2:1 up to 27 GHz
- Gold over Nickel Plated Beryllium Copper Contact
- Contact Plating per MIL-G-45204

# Applications

- Allows Connection Between Series
- General Purpose Test

## Description

Ebeestock's ET12761 SMA female to 3.5mm male adapter is part of our full line of RF components available for same-day shipping. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our SMA to 3.5mm adapter has a female to male gender configuration. ET12761 SMA female to 3.5mm male adapter operates to 27 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.

| lectrical Specifications |    |       |     |
|--------------------------|----|-------|-----|
| Erequency Range          | DC | 27    | GHz |
| VSWR                     |    | 1.2:1 |     |
| Insertion Loss           |    | 0.26  | dB  |

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

### Mechanical Specifications

Size

Length 0.739 in [18.77 mm] Width 0.312 in [7.92 mm] 0.01 lbs [4.54 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Female to 3.5mm Male Adapter ET12761

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| Description   | Connector 1 | Connector 2                      |  |
|---------------|-------------|----------------------------------|--|
| Type          | SMA Female  | 3.5mm Male                       |  |
| Polarity      | Standard    | Standard                         |  |
| Mating Cycles | 500         | 500                              |  |
| Hex Size      |             | 5/16 in.                         |  |
| Mating Torque |             | 8 to 10 in-lbs [0.90 to 1.13 Nm] |  |
|               |             |                                  |  |

#### Material Specifications

|                    | Connector 1               |                  | Connector 2                |                  |
|--------------------|---------------------------|------------------|----------------------------|------------------|
| Description        | Material                  | Plating          | Material                   | Plating          |
| Туре               | SMA Female                |                  | 3.5mm Male                 |                  |
| Contact            | Beryllium Copper          | Gold over Nickel | Beryllium Copper           | Gold over Nickel |
|                    |                           | MIL-G-45204      |                            | MIL-G-45204      |
| Insulation         | PTFE                      |                  | PTFE                       |                  |
| Outer Conductor Pa | assivated Stainless Steel |                  |                            |                  |
|                    |                           | ASTM A380        |                            |                  |
| Body               |                           |                  | Passivated Stainless Steel |                  |
|                    |                           |                  |                            | ASTM A380        |
| Coupling Nut       |                           |                  | Passivated Stainless Steel |                  |
|                    |                           |                  |                            | ASTM A380        |

## **Environmental Specifications**

Temperature

Operating Range -55 to +100 deg C

Vibration 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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SMA Female to 3.5mm Male 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: SMA Female to 3.5mm Male Adapter ET12761

URL: https://www.ebeestock.com/sma-female-to-3-5mm-male-adapter-0012761

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.

# ET12761 CAD Drawing SMA Female to 3.5mm Male Adapter

