

50 Ohm SMA Male to 75 Ohm F Female Adapter



RF Adapters Technical Data Sheet

ET12316

Configuration

- SMA Male Connector 1
- F Female Connector 2

- 50 Ohm, 75 Ohm
- Straight Body Geometry

Features

- SMA interface compliant with MIL-STD-348
- Type F interface compliant with MIL-C-39012
- Contact plating according to MIL-G-45204

Applications

• Allows Connection Between Series

General Purpose Test

Description

Ebeestock's ET12316 50 ohm SMA male to 75 ohm type F female 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 type F adapter has a male to female gender configuration. ET12316 SMA male to type F female adapter operates to 2 GHz.

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 | | 2 | GHz |
| Operating Voltage (AC) | | | 500 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,500 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

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

Mechanical Specifications

Size

 Length
 1.07 in [27.18 mm]

 Width
 0.375 in [9.53 mm]

 Weight
 0.0199 lbs [9.03 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 50 Ohm SMA Male to 75 Ohm F Female Adapter ET12316

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



50 Ohm SMA Male to 75 Ohm F Female Adapter



RF Adapters Technical Data Sheet

ET12316

| Description | Connector 1 | Connector 2 |
|-------------------------|---------------------------------|-------------|
| Туре | SMA Male | F Female |
| Polarity | Standard | Standard |
| Interface Specification | MIL-STD-348 | MIL-C-39012 |
| Hex Size | 5/16 in. | |
| Mating Torque | 3 to 5 in-lbs [0.34 to 0.57 Nm] | |
| | | |

Mechanical Specification Notes:

Not all "F" type connectors will mate with all "F" type connectors

Material Specifications

| | Connector 1 | | Connector 2 | | |
|-----------------|-------------|------------------|------------------|------------------|--|
| Description | Material | Plating | Material | Plating | |
| Туре | SMA Male | | F Female | | |
| Contact | Brass | Gold over Nickel | Beryllium Copper | Gold over Nickel | |
| | | MIL-G-45204 | | MIL-G-45204 | |
| Insulation | PTFE | | PTFE | | |
| Outer Conductor | | | Brass | Nickel | |
| | | | | QQ-N-290 | |
| Body | Brass | Nickel | | | |
| | | QQ-N-290 | | | |
| Coupling Nut | Brass | Nickel | | | |
| | | QQ-N-290 | | | |

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 50 Ohm SMA Male to 75 Ohm F Female Adapter ET12316

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



50 Ohm SMA Male to 75 Ohm F Female Adapter



RF Adapters Technical Data Sheet

ET12316

50 Ohm SMA Male to 75 Ohm F 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: 50 Ohm SMA Male to 75 Ohm F FemaleAdapter ET12316

URL: https://www.ebeestock.com/50-ohm-sma-male-to-75-ohm-f-female-adapter-0012316

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.

