

SMA Female to SMB Jack Adapter



RF Adapters Technical Data Sheet

ET1268

Configuration

- SMA Female Connector 1
- SMB Jack Connector 2

- 50 Ohms
- Straight Body Geometry

Features

- Max VSWR of 1.46:1 up to 4 GHz
- SMA Interface compliant with MIL-STD-348A
- SMB Interface compliant with MIL-STD-348A
- Gold Plated Beryllium Copper Contact

Applications

• Allows Connection Between Series

General Purpose Test

Description

Ebeestock's ET12680 SMA female to SMB jack 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 SMB adapter has a female to jack gender configuration. ET12680 SMA female to SMB jack adapter operates to 4 GHz. The Ebeestock RF adapter provides good VSWR of 1.46:1 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.

| ctrical Specifications | | | |
|-------------------------------|-------|--------|-------|
| Erequency Range | DC | 4 | GHz |
| <u>VSWR</u> | | 1.46:1 | |
| Operating Voltage (AC) | | 375 | Vrms |
| Inner Conductor DC Resistance | | 6 | mOhms |
| Outer Conductor DC Resistance | | 1 | mOhms |
| Insulation Resistance | 5,000 | | MOhms |

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

Mechanical Specifications

Size
Length
Width
Weight

0.708 in [17.98 mm] 0.25 in [6.35 mm] 0.006 lbs [2.72 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 SMB Jack Adapter ET12680

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| Description | Connector 1 | Connector 2 |
|-------------------------|--------------|--------------|
| Туре | SMA Female | SMB Jack |
| Polarity | Standard | Standard |
| Interface Specification | MIL-STD-348A | MIL-STD-348A |
| Mating Cycles | 500 | 500 |

Material Specifications

| Description | Connector 1 | | Connector 2 | | |
|-----------------|------------------|---------|------------------|---------|--|
| | Material | Plating | Material | Plating | |
| Туре | SMA Female | | SMB Jack | | |
| Contact | Beryllium Copper | Gold | Beryllium Copper | Gold | |
| Insulation | PTFE | | PTFE | | |
| Outer Conductor | Brass | Nickel | Brass | Nickel | |

Environmental Specifications

Temperature

Operating Range -55 to +155 deg C

Vibration MIL-STD-202, Method 204, Condition B Temperature Cycling MIL-STD-202, Method 107, Condition B Salt Spray MIL-STD-202, Method 101, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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SMA Female to SMB Jack 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.

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URL: https://www.ebeestock.com/sma-female-to-smb-jack-adapter-0012680

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.

ET12680 CAD Drawing SMA Female to SMB Jack Adapter

