

## 2.92mm Female to SMP Female Adapter



## RF Adapters Technical Data Sheet

ET11948

## Configuration

- 2.92mm Female Connector 1
- SMP Female Connector 2

- 50 Ohms
- Straight Body Geometry

#### Features

- Max VSWR of 1.25:1 up to 40 GHz
- 2.92mm Interface compliant with MIL-STD-348
- SMP Interface compliant with MIL-STD-348
- Gold Plated Beryllium Copper Contact
- Contact Plating per MIL-G-45204

## Applications

Allows Connection Between Series
 General Purpose Test

#### Description

Ebeestock's ET11948 2.92mm female to SMP female adapter is part of our full line of RF components available for same-day shipping. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. Our 2.92mm to SMP adapter has a female to female gender configuration. ET11948 2.92mm female to SMP female adapter operates to 40 GHz. The Ebeestock RF adapter provides excellent VSWR of 1.25:1 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      |         | 40      | GHz   |
| VSWR            |         |         | 1.25:1  |       |

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

### Mechanical Specifications

Size

 Length
 0.771 in [19.58 mm]

 Width
 0.25 in [6.35 mm]

 Weight
 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: 2.92mm Female to SMP Female Adapter ET11948

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 |  |
|-------------------------|---------------|-------------|--|
| Type                    | 2.92mm Female | SMP Female  |  |
| Polarity                | Standard      | Standard    |  |
| Interface Specification | MIL-STD-348   | MIL-STD-348 |  |
|                         |               |             |  |

### Material Specifications

| Connector 1      |                                      | Conne  | ctor 2  |
|------------------|--------------------------------------|--|---|
| Material         | Plating                              | Material   | Plating   |
| 2.92mm Female    |                                      | SMP Female   |   |
| Beryllium Copper | Gold                                 | Beryllium Copper   | Gold  |
|                  | MIL-G-45204                          |  | MIL-G-45204   |
| PTFE             |                                      | PTFE   |   |
| Beryllium Copper | Gold                                 | Beryllium Copper   | Gold  |
|                  | MIL-G-45204                          |  | MIL-G-45204   |
|                  | 2.92mm Female Beryllium Copper  PTFE | Material Plating  2.92mm Female  Beryllium Copper Gold  MIL-G-45204  PTFE  Beryllium Copper Gold | MaterialPlatingMaterial2.92mm FemaleSMP FemaleBeryllium CopperGoldBeryllium CopperMIL-G-45204PTFEPTFEBeryllium CopperGoldBeryllium Copper |

## **Environmental Specifications**Temperature

Operating Range

-55 to +125 deg C

Compliance Certifications (see product page for current document)

#### Plotted and Other Data

Notes:

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2.92mm Female to SMP Female 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: 2.92mm Female to SMP Female Adapter ET11948

URL: https://www.ebeestock.com/2-92mm-female-to-smp-female-adapter-0011948

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.

# ET11948 CAD Drawing 2.92mm Female to SMP Female Adapter

