

## 2.92mm Female (Jack) to 2.92mm Female (Jack) Bulkhead Adapter, Passivated Stainless Steel Body, 1.3 VSWR

2.92mm female to 2.92mm female bulkhead adapter part number SM3225 from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 2.92mm adapter has a female to female gender configuration. SM3225 2.92mm female to 2.92mm female adapter operates to 40 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 maximum. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. Our RF 2.92mm to 2.92mm bulkhead adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

RF adapters can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and 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. Fairview Microwave 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     | Min | Typ | Max   | Units |
|-----------------|-----|-----|-------|-------|
| Frequency Range | DC  |     | 40    | GHz   |
| VSWR            |     |     | 1.3:1 |       |

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

### Mechanical Specifications

| Size   |                    |
|--------|--------------------|
| Length | 0.88 in [22.23 mm] |
| Width  | 0.38 in [9.53 mm]  |
| Height | 0.38 in [9.53 mm]  |
| Weight | 0.01 lbs [5.67 g]  |

| Description        | Connector 1   | Connector 2   |
|--------------------|---------------|---------------|
| Type               | 2.92mm Female | 2.92mm Female |
| Polarity           | Standard      | Standard      |
| Mating Cycles, Min | 500           | 500           |



### Configuration:

- 2.92mm Female Connector 1
- 2.92mm Female Connector 2
- 50 Ohm
- Straight Body Geometry
- Bulkhead Mount Method

### Features:

- VSWR of 1.3:1 max up to 40 GHz
- Contact plating according to MIL-G-45204
- Gold over Nickel Plated Beryllium Copper Contact

### Applications:

- General Purpose Test
- Rack Mounted Equipment

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**Material Specifications**

| Description                 | Connector 1                | Connector 2                |
|-----------------------------|----------------------------|----------------------------|
| Type                        | 2.92mm Female              | 2.92mm Female              |
| Contact Material            | Beryllium Copper           | Beryllium Copper           |
| Contact Plating             | Gold over Nickel           | Gold over Nickel           |
| Contact Plating Spec.       | MIL-G-45204                | MIL-G-45204                |
| Insulation Material         | Oxide-Noryl                | Oxide-Noryl                |
| Outer Contact Material      | Passivated Stainless Steel | Passivated Stainless Steel |
| Outer Contact Plating Spec. | ASTM A380                  | ASTM-A380                  |

**Environmental Specifications**

**Temperature**

Operating Range

Vibration

Salt Spray

-55 to +100 deg C

MIL-STD 202, Method 204, Condition D (20 G's)

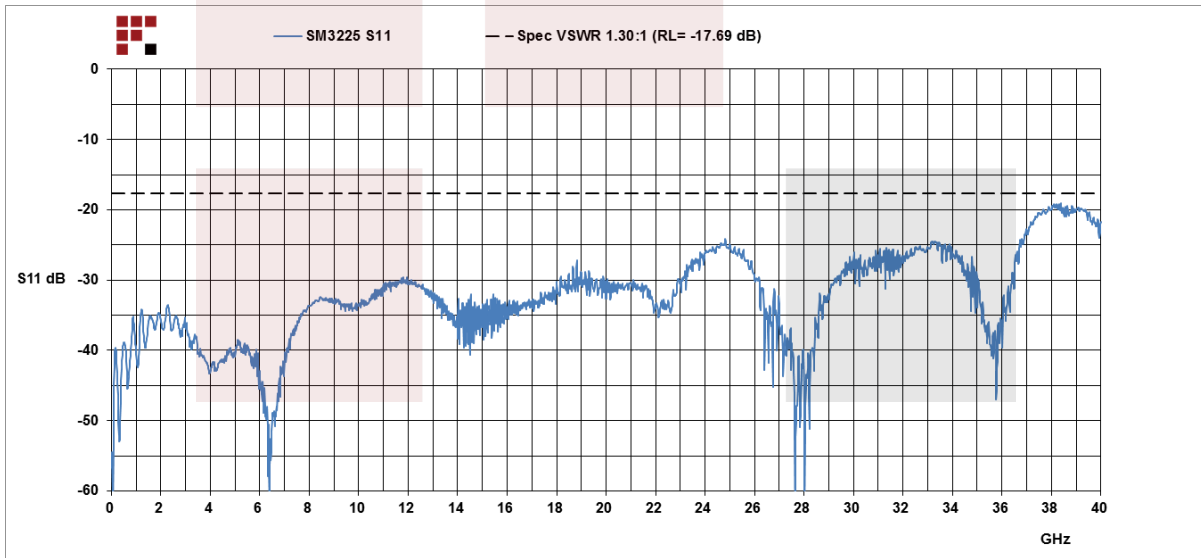
MIL-STD 202, Method 101, Condition B, 5% salt solution

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

**Typical Performance Data**



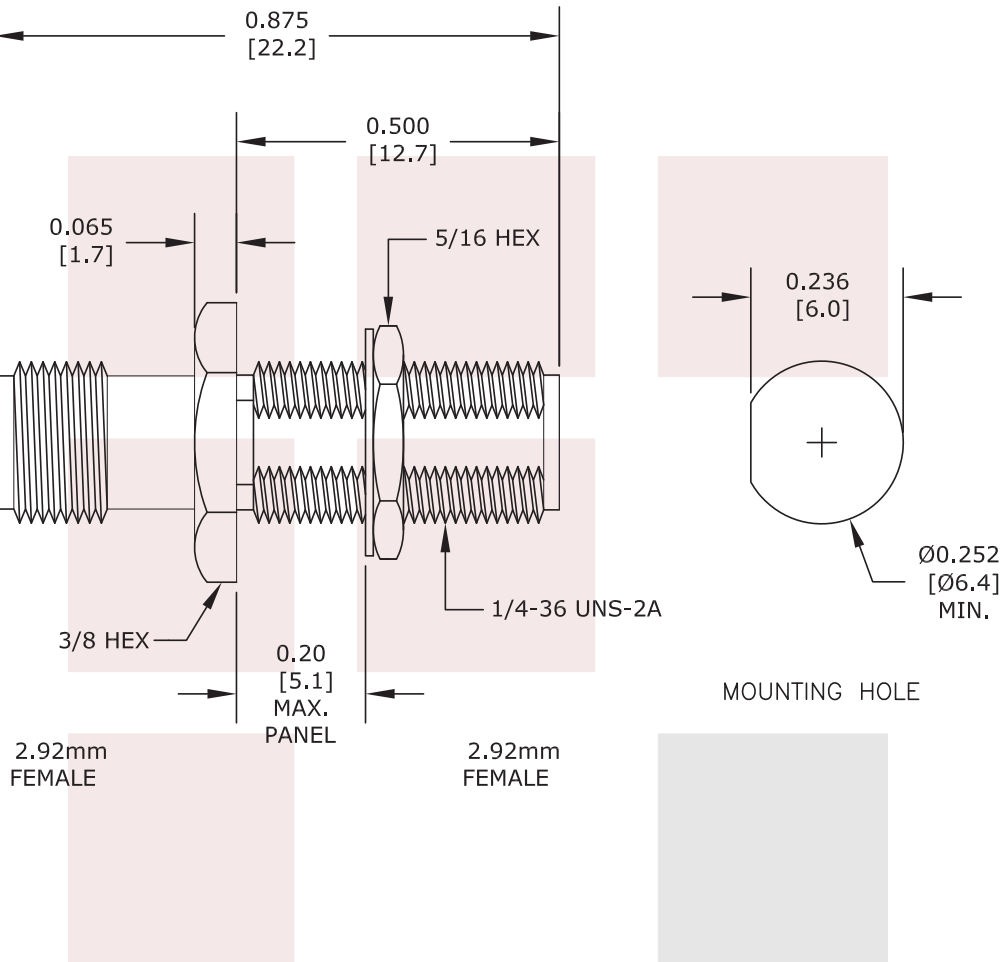
2.92mm Female (Jack) to 2.92mm Female (Jack) Bulkhead Adapter, Passivated Stainless Steel Body, 1.3 VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2.92mm Female \(Jack\) to 2.92mm Female \(Jack\) Bulkhead Adapter, Passivated Stainless Steel Body, 1.3 VSWR SM3225](#)

URL: <https://www.fairviewmicrowave.com/2.92mm-female-2.92mm-female-bulkhead-adapter-sm3225-p.aspx>

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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





| STANDARD TOLERANCES |        |
|---------------------|--------|
| .X                  | ±0.2   |
| .XX                 | ±0.01  |
| .XXX                | ±0.005 |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

|          |        |  |       |                    |              |
|----------|--------|--|-------|--------------------|--------------|
|          |        | <b>NOTES:</b><br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. |       |                    |              |
| TITLE    |        | DWG NO<br>SM3225   |       | CAGE CODE<br>3FKR5 |              |
| CAD FILE | 111516 | SHEET  | SCALE | N/A                | SIZE A 41742 |