

SMA Female (Jack) to SMA Female (Jack) Adapter, Gold Plated Stainless Steel Body, High Temp, 1.2 VSWR

SMA female to SMA female adapter part number SM4931 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA adapter has a female to female gender configuration. SM4931 SMA female to SMA female adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors.

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 | | 18 | GHz |
| VSWR | | | 1.2:1 | |
| Operating Voltage (AC) | | | 500 | Vrms |
| DWV (AC) | | | 1,500 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

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

Mechanical Specifications

| | |
|-------------|--------------------|
| Size | |
| Length | 0.875 in [22.2 mm] |
| Width | 0.27 in [6.86 mm] |
| Weight | 0.0108 lbs [4.9 g] |

| Description | Connector 1 | Connector 2 |
|----------------------------|-------------|-------------|
| Type | SMA Female | SMA Female |
| Polarity | Standard | Standard |
| Interface Specification | MIL-STD-348 | MIL-STD-348 |
| Contact Captivation Method | Epoxy | Epoxy |
| Mating Cycles | 500 | 500 |



Configuration:

- SMA Female Connector 1
- SMA Female Connector 2
- 50 Ohm
- Straight Body Geometry

Features:

- VSWR of 1.2:1 max up to 18 GHz
- SMA interface meets MIL-STD-348
- Epoxy captivation
- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact

Applications:

- General Purpose Test

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Material Specifications

| Description | Connector 1 | Connector 2 |
|-----------------------------|------------------|------------------|
| Type | SMA Female | SMA Female |
| Contact Material | Beryllium Copper | Beryllium Copper |
| Contact Plating | Gold | Gold |
| Contact Plating Spec. | MIL-G-45204 | MIL-G-45204 |
| Insulation Material | PTFE | PTFE |
| Outer Contact Material | Stainless Steel | Stainless Steel |
| Outer Contact Plating | Gold | Gold |
| Outer Contact Plating Spec. | MIL-G-45204 | MIL-G-45204 |

Environmental Specifications

Temperature

Operating Range

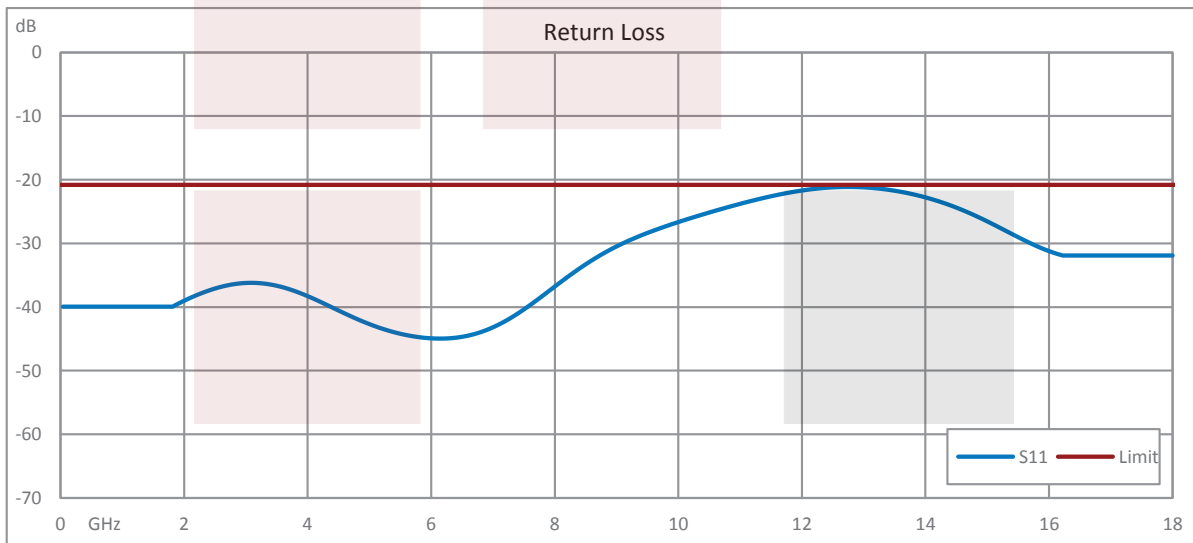
-65 to +165 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data



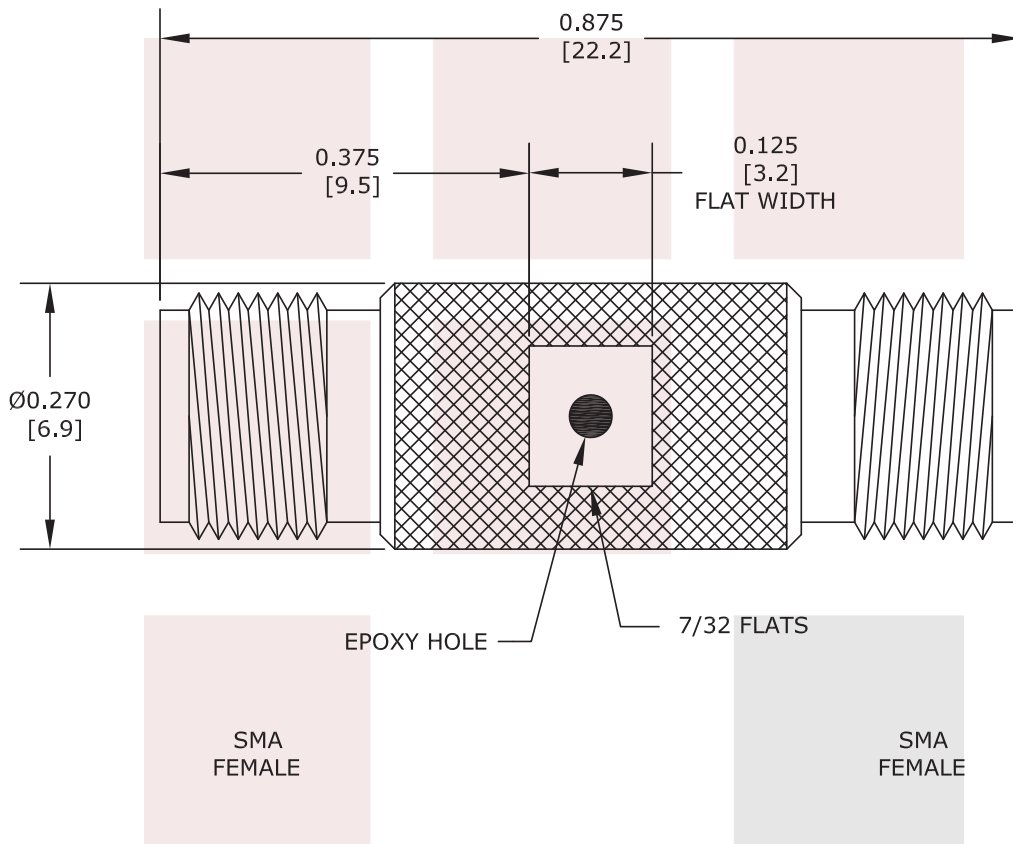
SMA Female (Jack) to SMA Female (Jack) Adapter, Gold Plated Stainless Steel Body, High Temp, 1.2 VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Female \(Jack\) to SMA Female \(Jack\) Adapter, Gold Plated Stainless Steel Body, High Temp, 1.2 VSWR SM4931](#)

URL: <https://www.fairviewmicrowave.com/sma-female-sma-female-adapter-sm4931-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

| | | | | | |
|--|--------|---|-----------|-----------------------------------|-------|
| <p>Fairview Microwave™ an INFINIT[®] brand</p> | | <p>NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].</p> | | | |
| <p>TITLE SMA Female (Jack) to SMA Female (Jack) Adapter, Gold Plated Stainless Steel Body, High Temp, 1.2 VSWR</p> | | <p>DWG NO SM4931</p> | | <p>CAGE CODE 3FKR5</p> | |
| CAD FILE | 100616 | SHEET | SCALE N/A | SIZE A | 41742 |