

2.92mm Male to SMP Male Full Detent Adapter

2.92mm male to SMP male full detent adapter part number SM8858 from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to SMP adapter has a male to male gender configuration. SM8858 2.92mm male to SMP adapter operates to 40 GHz. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 maximum.

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 | | | 1.25:1 | |

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

Mechanical Specifications

| Size | |
|--------|---------------------|
| Length | 0.92 in [23.37 mm] |
| Width | 0.31 in [7.87 mm] |
| Weight | 0.0128 lbs [5.81 g] |

| Description | Connector 1 | Connector 2 |
|-------------------------|-------------|-------------|
| Type | 2.92mm Male | SMP Male |
| Connection Method | | Full Detent |
| Polarity | Standard | Standard |
| Interface Specification | MIL-STD-348 | MIL-STD-348 |
| Hex Size | 5/16 inch | |



Configuration:

- 2.92mm Male Connector 1
- Full Detent SMP Male Connector 2
- 50 Ohms
- Straight Body Geometry

Features:

- VSWR of 1.25:1 max up to 40 GHz
- 2.92mm interface meets MIL-STD-348
- SMP interface meets MIL-STD-348
- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact

Applications:

- Enables Between Series Connections
- General Purpose Test

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Material Specifications

| Description | Connector 1 | Connector 2 |
|----------------------------|----------------------------|----------------------------|
| Type | 2.92mm Male | SMP Male |
| Contact Material | Beryllium Copper | Beryllium Copper |
| Contact Plating | Gold | Gold |
| Contact Plating Spec. | MIL-G-45204 | MIL-G-45204 |
| Insulation Material | PTFE | PTFE |
| Body Material | Beryllium Copper | Passivated Stainless Steel |
| Body Plating | Gold | |
| Body Plating Spec. | MIL-G-45204 | AMS-QQ-P-35 |
| Coupling Nut Material | Passivated Stainless Steel | |
| Coupling Nut Plating Spec. | AMS-QQ-P-35 | |

Environmental Specifications

Temperature

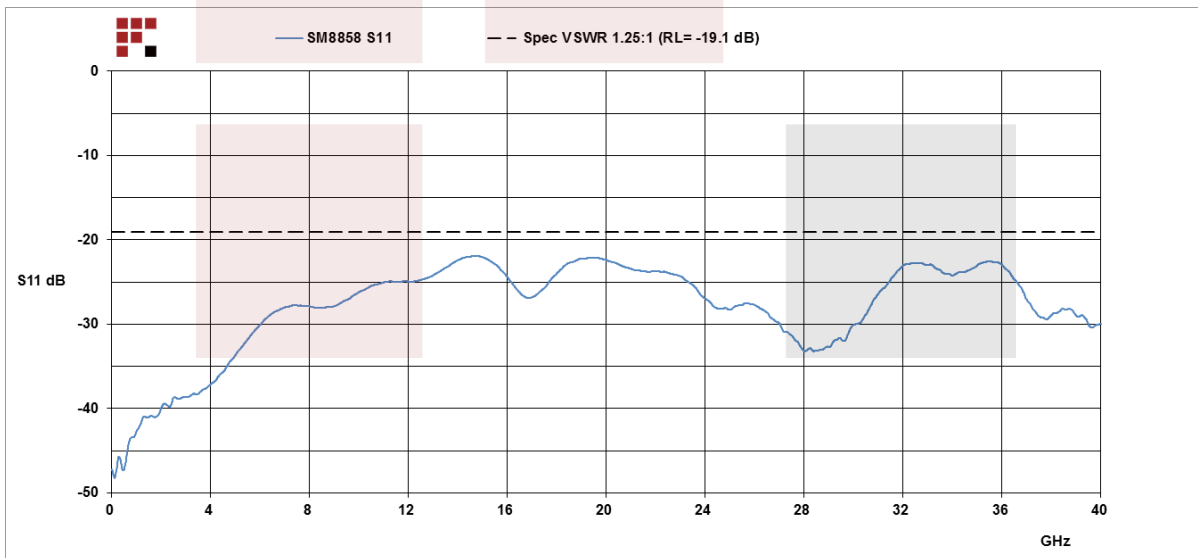
Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data



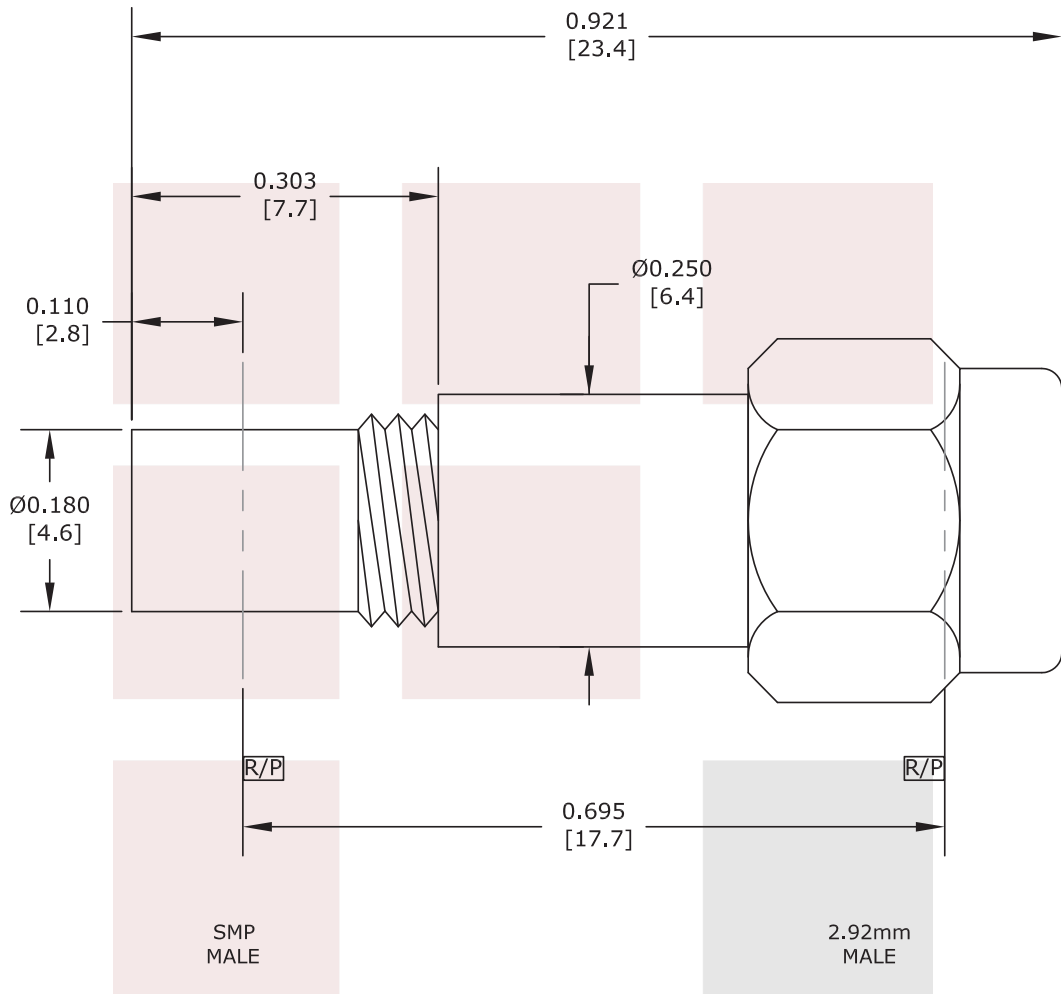
2.92mm Male to SMP Male Full Detent Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2.92mm Male to SMP Male Full Detent Adapter SM8858](#)

URL: <https://www.fairviewmicrowave.com/2.92mm-male-smp-male-full-detent-adapter-sm8858-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 | ±0.1 |
| .XXX | ±0.05 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

| | | | | | |
|---|--------|---|-------|--------------------|--------------|
| FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | | 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]. | | | |
| TITLE 2.92mm Male to SMP Male Full Detent Adapter | | DWG NO SM8858 | | CAGE CODE 3FKR5 | |
| CAD FILE | 090916 | SHEET | SCALE | N/A | SIZE A 41742 |