

Precision SMA Female (Jack) to SMP Male (Plug) Smooth Bore CM 2 Hole Flange Adapter, Passivated Stainless Steel Body, 1.2 VSWR

SMA female to SMP male smooth bore CM 2 hole flange adapter part number SM8836 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMP adapter has a female to male gender configuration in a precision design. SM8836 SMA female to SMP male adapter operates to 26.5 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. Our RF SMA to SMP 2 hole flange 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 | | 26.5 | GHz |
| VSWR | | | 1.2:1 | |

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

Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 0.780 in [19.8 mm] |
| Width | 0.28 in [7.11 mm] |
| Weight | 0.0106 lbs [4.81 g] |

| Description | Connector 1 | Connector 2 |
|-------------------------|-------------|----------------|
| Type | SMA Female | SMP Male |
| Connection Method | | Smooth Bore CM |
| Polarity | Standard | Standard |
| Interface Specification | MIL-STD-348 | MIL-STD-348 |
| Mating Cycles | 500 | |



Configuration:

- SMA Female Connector 1
- Smooth Bore CM SMP Male Connector 2
- 50 Ohm
- Precision Design
- Straight Body Geometry
- 2 Hole Flange Mount Method

Features:

- VSWR of 1.2:1 max up to 26.5 GHz
- SMA 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
- Rack Mounted Equipment
- Precision Test & Measurement

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Material Specifications

| Description | Connector 1 | Connector 2 |
|-----------------------------|----------------------------|----------------------------|
| Type | SMA Female | 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 |
| Outer Contact Material | Passivated Stainless Steel | |
| Outer Contact Plating Spec. | AMS-QQ-P-35 | |
| Body Material | | Passivated Stainless Steel |
| Body 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:

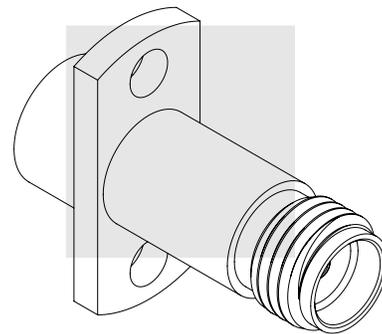
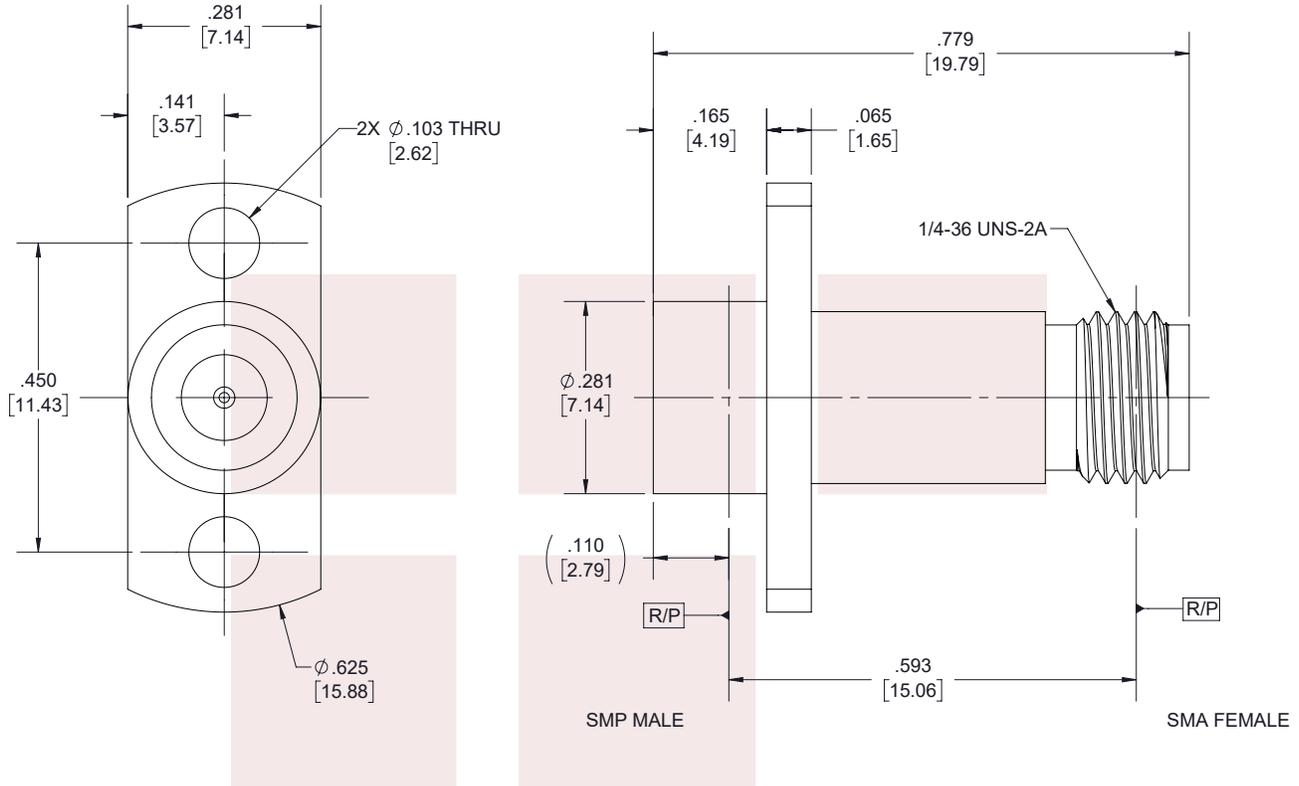
Precision SMA Female (Jack) to SMP Male (Plug) Smooth Bore CM 2 Hole Flange Adapter, Passivated Stainless Steel Body, 1.2 VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Precision SMA Female \(Jack\) to SMP Male \(Plug\) Smooth Bore CM 2 Hole Flange Adapter, Passivated Stainless Steel Body, 1.2 VSWR SM8836](#)

URL: <https://www.fairviewmicrowave.com/sma-female-smp-male-smooth-bore-2-hole-flange-adapter-sm8836-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.

| REVISIONS | | | |
|-----------|------------------|-----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| B | UPDATE COMPONENT | 3/15/2022 | SRAUTUS |



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TITLE

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Smooth Bore CM 2 Hole Flange Adapter, Passivated
Stainless Steel Body, 1.2 VSWR

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS ± 1/32
.XX = ±.02 [.51] ANGLES ± 1°
.XXX = ±.005 [.13]

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE

N/A

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|-----------|--------------------|------------------|--------------------|----------|
| SIZE A | CAGE CODE 3FKR5 | DRAWN BY DMAY | ITEM NO. SM8836 | REV B |
|-----------|--------------------|------------------|--------------------|----------|

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