

2.92mm Female to 2.4mm Male Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body

2.92mm female to 2.4mm male adapter part number FMAD1281 from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 2.4mm adapter has a female to male gender configuration and is built of durable stainless steel. FMAD1281 2.92mm female to 2.4mm male adapter operates to 40 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.15:1 maximum. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. The 2.4mm connector mates mechanically with commercially available 1.85mm (V) 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 | | 40 | GHz |
| VSWR | | | 1.15:1 | |
| Operating Voltage (AC) | | | 150 | Vrms |
| DWV (AC) | | | 500 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |
| RF Leakage | | | 100 | dB |

Electrical Specification Notes:
Insertion Loss = $0.05 \times \text{SQRT}(F(\text{GHz}))$

Mechanical Specifications

| | |
|-------------|---------------------|
| Size | |
| Length | 0.790 in [20.1 mm] |
| Width | 0.315 in [8 mm] |
| Height | 0.315 in [8 mm] |
| Weight | 0.35 lbs [158.76 g] |

| Description | Connector 1 | Connector 2 |
|---------------|---------------|-------------|
| Type | 2.92mm Female | 2.4mm Male |
| Polarity | Standard | Standard |
| Mating Cycles | 500 | 500 |



Configuration:

- 2.92mm Female Connector 1
- 2.4mm Male Connector 2
- 50 Ohm
- Straight Body Geometry

Features:

- VSWR of 1.15:1 max up to 40 GHz
- Gold over Nickel over Copper 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 Female | 2.4mm Male |
| Contact Material | Beryllium Copper | Beryllium Copper |
| Contact Plating | Gold over Nickel over Copper | Gold over Nickel over Copper |
| Insulation Material | PTFE | PTFE |
| Body Material | Passivated Stainless Steel | Passivated Stainless Steel |
| Gasket Material | Silicone | Silicone |
| Coupling Nut Material | Passivated Stainless Steel | Passivated Stainless Steel |

Environmental Specifications

Temperature

Operating Range

Humidity

Thermal Shock

Salt Spray

-55 to 105 deg C

MIL-STD-202, Method 206

MIL-STD-202, Method 107, Condition B

MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

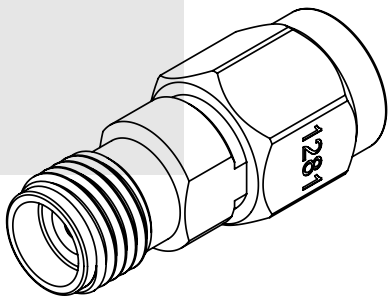
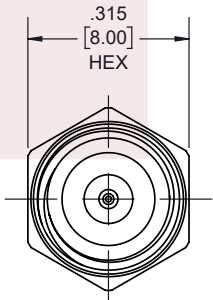
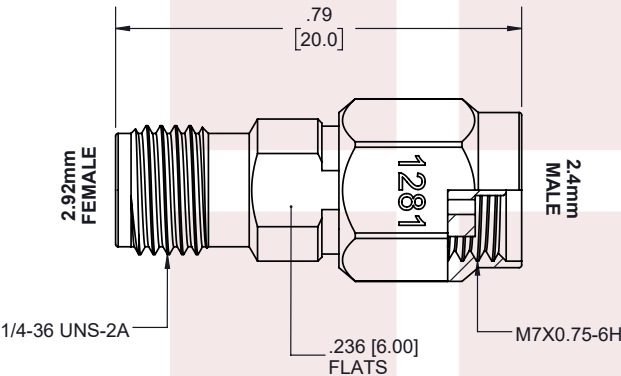
2.92mm Female to 2.4mm Male Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2.92mm Female to 2.4mm Male Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body FMAD1281](#)


URL: <https://www.fairviewmicrowave.com/2.92mm-male-to-2.4mm-male-adapter-mil-std-202-method-206-with-passivated-stainless-steel-body-fmad1281-p.aspx>

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| REVISIONS | | | |
|-----------|-----------------|------------|------------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 12/29/2021 | A. GANWANI |



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| TITLE | | TOLERANCES: | | CABLE LENGTH (L) TOLERANCES: | |
| 2.92mm Female to 2.4mm Male Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body | | .X = ± .02 [.51] | | L ≤ 12 [305] = +1 [25] / -0 | |
| | | .XX = ± .005 [.13] | | 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 | |
| | | ANGLES ± 1° | | 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 | |
| | | | | 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 | |
| | | | | 300 [7620] < L = +5%L / -0 | |
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| | | SIZE A | | SHEET 1 OF 1 | |
| | | CAGE CODE 3FKR5 | | SCALE N/A | |
| | | DRAWN BY K.DANG | | REV A | |
| | | ITEM NO. FMAD1281 | | | |

T-Rev.D