

Miter RA 2.92mm Male (Plug) to 2.92mm Female (Jack) Adapter, Passivated Stainless Steel Body, 1.25 VSWR

Miter RA 2.92mm male to 2.92mm female adapter part number FMAD1206 from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 2.92mm adapter has a male to female gender configuration and is built of durable stainless steel. FMAD1206 2.92mm male to 2.92mm female adapter operates to 40 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 maximum. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. This miter right angle 2.92mm adapter allows for easier connections in tight spaces.

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 | |
| Insertion Loss | | | 0.32 | dB |
| Operating Voltage (AC) | | | 250 | Vrms |
| DWV (AC) | | | 750 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

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

Mechanical Specifications

| | |
|-------------|--------------------|
| Size | |
| Length | 0.67 in [17.02 mm] |
| Width | 0.31 in [7.92 mm] |
| Height | 0.63 in [16.00 mm] |
| Weight | 0.02 lbs [8.66 g] |

| Description | Connector 1 | Connector 2 |
|--------------------|-------------------------------------|---------------|
| Type | 2.92mm Male | 2.92mm Female |
| Polarity | Standard | Standard |
| Mating Cycles, Min | 500 | 500 |
| Hex Size | 5/16 in. | |
| Mating Torque | 8 to 10 in-lbs [0.90 to 1.13 Nm] | |



Configuration:

- 2.92mm Male Connector 1
- 2.92mm Female Connector 2
- 50 Ohm
- Miter Right Angle Body Geometry

Features:

- VSWR of 1.25:1 max up to 40 GHz
- 4μ in. minimum contact plating
- Gold over Nickel Plated Beryllium Copper Contact

Applications:

- General Purpose Test

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Material Specifications

| Description | Connector 1 | Connector 2 |
|------------------------|----------------------------|----------------------------|
| Type | 2.92mm Male | 2.92mm Female |
| Contact Material | Beryllium Copper | Beryllium Copper |
| Contact Plating | Gold over Nickel | Gold over Nickel |
| Contact Plating Spec. | 4µ in. minimum | 4µ in. minimum |
| Insulation Material | Oxide-Noryl | |
| Outer Contact Material | | Passivated Stainless Steel |
| Body Material | Passivated Stainless Steel | Passivated Stainless Steel |
| Coupling Nut Material | Passivated Stainless Steel | |

Environmental Specifications

Temperature

Operating Range
Humidity
Shock
Salt Spray

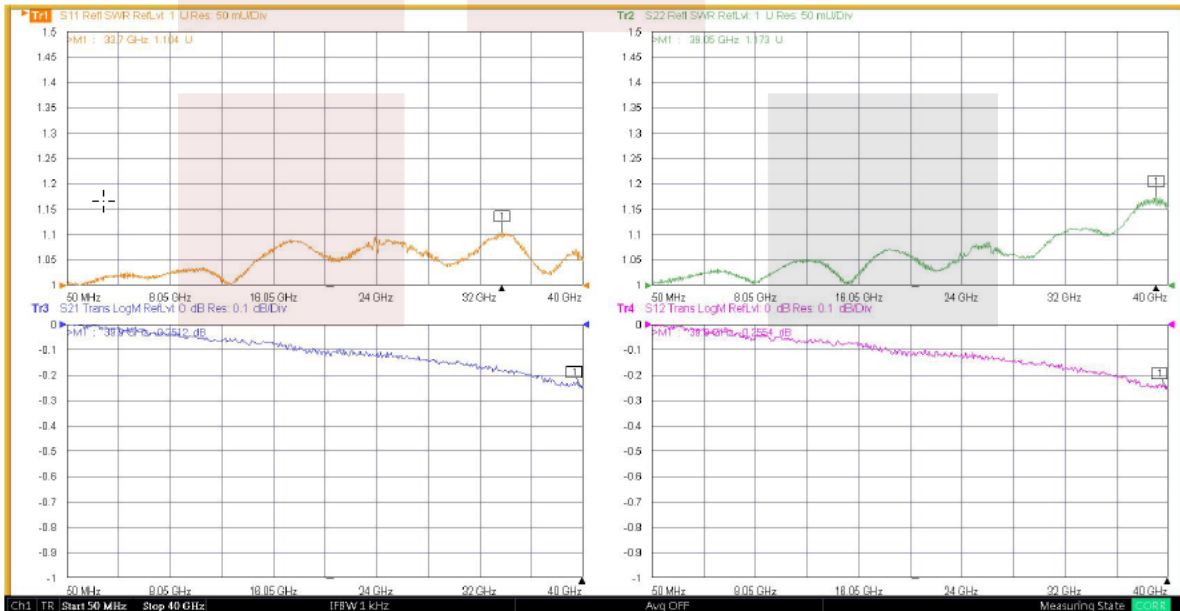
-55 to +105 deg C
MIL-STD-202, Method 206
MIL-STD-202, Method 107, Condition B
MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

Typical Performance Data



Miter RA 2.92mm Male (Plug) to 2.92mm Female (Jack) Adapter, Passivated Stainless Steel Body, 1.25 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.

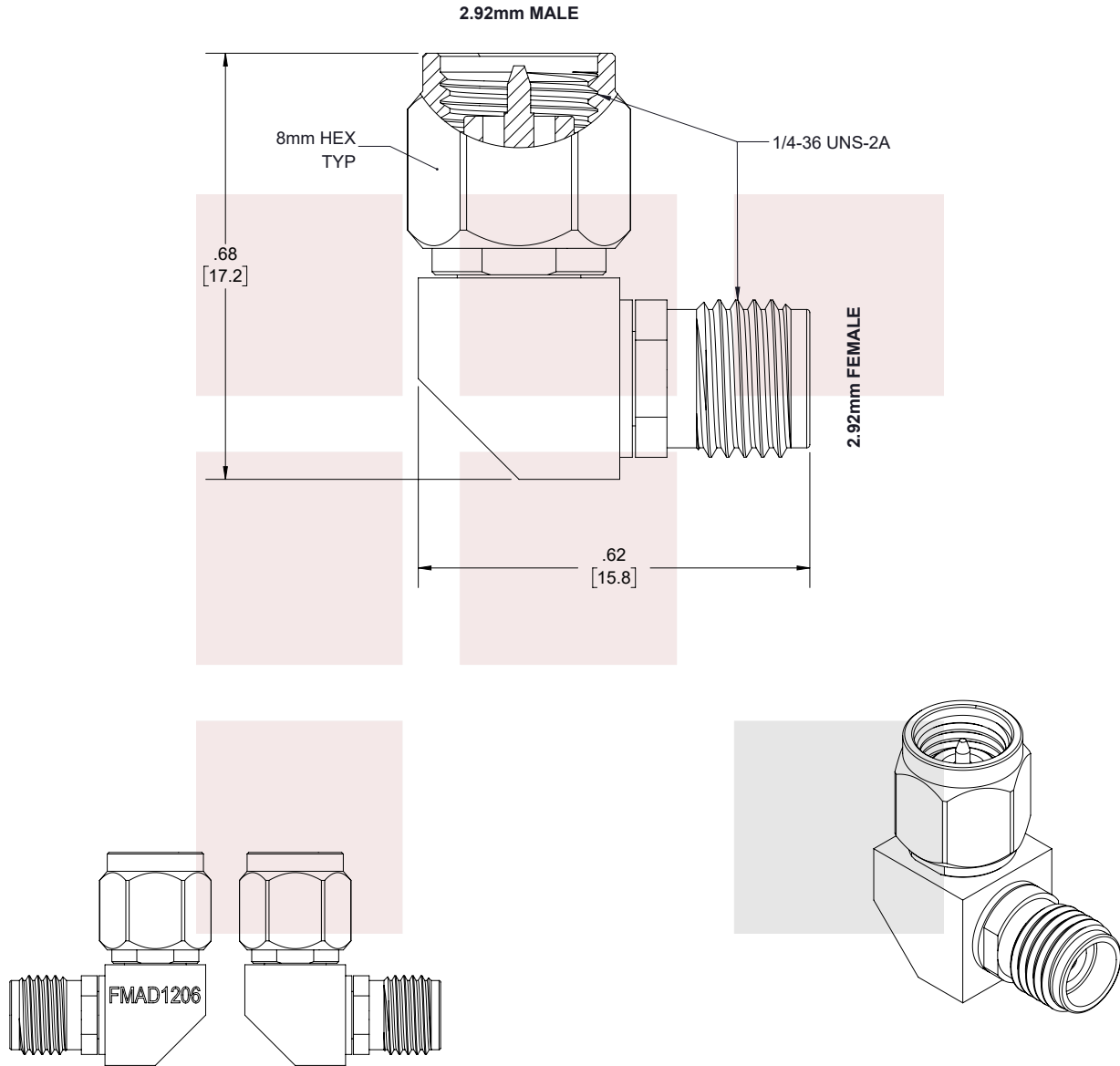
For additional information on this product, please click the following link: [Miter RA 2.92mm Male \(Plug\) to 2.92mm Female \(Jack\) Adapter, Passivated Stainless Steel Body, 1.25 VSWR FMAD1206](#)

URL: <https://www.fairviewmicrowave.com/miter-ra-2.92mm-male-2.92mm-female-adapter-fmad1206-p.aspx>

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| REVISIONS | | | |
|-----------|-----------------|-----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 7/14/2020 | S.ELLIS |



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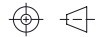
TITLE

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

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

| | | |
|--------------------|------------------|---|
| .X = ±.2 [5.08] | FRACTIONS ± 1/32 | L ≤ 12 [305] = +1 [25] / -0 |
| .XX = ±.02 [.51] | ANGLES ± 1° | 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 |
| .XXX = ±.005 [.13] | | 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

| | | | | |
|-----------|--------------------|--------------------|----------------------|----------|
| SIZE A | CAGE CODE 3FKR5 | DRAWN BY K.DANG | ITEM NO. FMAD1206 | REV A |
|-----------|--------------------|--------------------|----------------------|----------|

T-Rev.D