

High Temperature Adapter 2.92mm Female to 3.5mm Male, 34.5GHz VSWR1.25, MIL-STD 348B with Stainless Steel Body

2.92mm female to 3.5mm male adapter part number FMAD1680 from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 3.5mm adapter has a female to male gender configuration and is built of stainless steel in a high temperature adapter design. FMAD1680 2.92mm female to 3.5mm male adapter operates to 34.5 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.

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 | | 34.5 | GHz |
| VSWR | | | 1.25:1 | |
| Insertion Loss | | | 0.24 | dB |
| Operating Voltage (AC) | | | 250 | Vrms |
| DWV (AC) | | | 750 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |
| RF Leakage | | | 100 | dB |

Mechanical Specifications

| | |
|-------------|--------------------|
| Size | |
| Length | 0.84 in [21.34 mm] |
| Width | 0.31 in [7.87 mm] |
| Height | 0.31 in [7.87 mm] |
| Weight | 0.01 lbs [4.54 g] |

| Description | Connector 1 | Connector 2 |
|--------------------------------------|-----------------------------------|--|
| Type | 2.92mm Female | 3.5mm Male |
| Polarity | Standard | Standard |
| Mating Cycles, Min | 500 | 500 |
| Hex Size | | 8 mm |
| Mating Torque | 11.47 in-lbs min [1.30 Nm] min | 7.1 to 9.7 in-lbs [0.80 to 1.10 Nm] |
| Contact Captivation Axial Force, Min | 4.9 lbs [2.22 kg] | 6.1 lbs [2.77 kg] |
| Coupling Proof Torque | 15 in-lbs [1.7 Nm] | 15 in-lbs [1.7 Nm] |



Configuration:

- 2.92mm Female Connector 1
- 3.5mm Male Connector 2
- 50 Ohm
- High Temperature Adapter Design
- Straight Body Geometry

Features:

- VSWR of 1.25:1 max up to 34.5 GHz
- Gold over Nickel 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 | 3.5mm Male |
| Contact Material | Beryllium Copper | Beryllium Copper |
| Contact Plating | Gold over Nickel | Gold over Nickel |
| Insulation Material | PEI | PEI |
| Body Material | Stainless Steel | Stainless Steel |
| Body Plating | Passivated | Passivated |
| Coupling Nut Material | | Stainless Steel |
| Coupling Nut Plating | | Passivated |

Environmental Specifications

Temperature

Operating Range

Humidity

Thermal Shock

Salt Spray

-50 to +170 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:

High Temperature Adapter 2.92mm Female to 3.5mm Male, 34.5GHz VSWR1.25, MIL-STD 348B with 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: [High Temperature Adapter 2.92mm Female to 3.5mm Male, 34.5GHz VSWR1.25, MIL-STD 348B with Stainless Steel Body FMAD1680](#)

URL: <https://www.fairviewmicrowave.com/high-temperature-adapter-2.92mm-female-to-3.5mm-male-adapter-mil-std-202-method-206-34.5ghz-vswr1.25-mil-std-348b-with-stainless-steel-body-fmad1680-p.aspx>

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