

## High Temperature Adapter 4 Hole Flange 1.85mm Female to 1.85mm Female, 67GHz VSWR1.25, MIL-STD 348B with Stainless Steel Body

4 hole flange 1.85mm female to 1.85mm female adapter part number FMAD1673 from Fairview Microwave is in-stock and ships same day. This Fairview 1.85mm to 1.85mm adapter has a female to female gender configuration and is built of stainless steel in a high temperature adapter design. FMAD1673 1.85mm female to 1.85mm female adapter operates to 67 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 maximum. The 1.85mm connector mates mechanically with commercially available 2.4mm connectors. Our RF 1.85mm 4 hole flange to 1.85mm 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    |     | 67     | GHz   |
| VSWR                   |       |     | 1.25:1 |       |
| Insertion Loss         |       |     | 0.41   | dB    |
| Operating Voltage (AC) |       |     | 150    | Vrms  |
| DWV (AC)               |       |     | 500    | Vrms  |
| Insulation Resistance  | 5,000 |     |        | MOhms |
| RF Leakage             |       |     | 100    | dB    |

### Mechanical Specifications

|             |                    |
|-------------|--------------------|
| <b>Size</b> |                    |
| Length      | 0.82 in [20.83 mm] |
| Width       | 0.50 in [12.70 mm] |
| Height      | 0.50 in [12.70 mm] |
| Weight      | 0.01 lbs [4.54 g]  |

| Description                          | Connector 1                              | Connector 2                              |
|--------------------------------------|------------------------------------------|------------------------------------------|
| Type                                 | 1.85mm Female                            | 1.85mm Female                            |
| Polarity                             | Standard                                 | Standard                                 |
| Mating Cycles, Min                   | 500                                      | 500                                      |
| Mating Torque                        | 7.08 to 9.74 in-lbs<br>[0.80 to 1.10 Nm] | 7.08 to 9.74 in-lbs<br>[0.80 to 1.10 Nm] |
| Contact Captivation Axial Force, Min | 4.5 lbs [2.04 kg]                        | 4.5 lbs [2.04 kg]                        |
| Coupling Proof Torque                | 15 in-lbs [1.7 Nm]                       | 15 in-lbs [1.7 Nm]                       |

### Configuration:

- 1.85mm Female Connector 1
- 1.85mm Female Connector 2
- 50 Ohm
- High Temperature Adapter Design
- Straight Body Geometry
- 4 Hole Flange Mount Method

### Features:

- VSWR of 1.25:1 max up to 67 GHz
- Gold over Nickel Plated Beryllium Copper Contact

### Applications:

- General Purpose Test
- Rack Mounted Equipment

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## Material Specifications

| Description         | Connector 1      | Connector 2      |
|---------------------|------------------|------------------|
| Type                | 1.85mm Female    | 1.85mm Female    |
| 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       |

## 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 4 Hole Flange 1.85mm Female to 1.85mm Female, 67GHz 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 4 Hole Flange 1.85mm Female to 1.85mm Female, 67GHz VSWR1.25, MIL-STD 348B with Stainless Steel Body FMAD1673](#)

URL: <https://www.fairviewmicrowave.com/high-temperature-adapter-4-hole-flange-1.85mm-female-to-1.85mm-female-adapter-mil-std-202-method-206-67ghz-vswr1.25-mil-std-348b-with-stainless-steel-body-fmad1673-p.aspx>

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