

## High Temperature Adapter 2.4mm Male to 2.4mm Male, 50GHz VSWR1.2, MIL-STD 348B with Stainless Steel Body

2.4mm male to 2.4mm male adapter part number FMAD1638 from Fairview Microwave is in-stock and ships same day. This Fairview 2.4mm to 2.4mm adapter has a male to male gender configuration and is built of stainless steel in a high temperature adapter design. FMAD1638 2.4mm male to 2.4mm male adapter operates to 50 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum. 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		50	GHz
VSWR			1.2:1	
Insertion Loss			0.29	dB
Operating Voltage (AC)			100	Vrms
DWV (AC)			500	Vrms
Insulation Resistance	5,000			MOhms
RF Leakage			100	dB

### Mechanical Specifications

<b>Size</b>	
Length	0.85 in [21.59 mm]
Width	0.31 in [7.87 mm]
Height	0.31 in [7.87 mm]
Weight	0.01 lbs [4.08 g]

Description	Connector 1	Connector 2
Type	2.4mm Male	2.4mm Male
Polarity	Standard	Standard
Mating Cycles, Min	500	500
Hex Size	8 mm	8 mm
Mating Torque	7.08 to 9.74 in-lbs [0.80 to 1.10 Nm]	7.08 to 9.74 in-lbs [0.80 to 1.10 Nm]
Contact Retention Force, Min	60.7 lbs [27.53 kg]	60.7 lbs [27.53 kg]
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:

- 2.4mm Male Connector 1
- 2.4mm Male Connector 2
- 50 Ohm
- High Temperature Adapter Design
- Straight Body Geometry

### Features:

- VSWR of 1.2:1 max up to 50 GHz
- Gold over Nickel Plated Beryllium Copper Contact

### Applications:

- General Purpose Test

Fairview Microwave  
 301 Leora Ln., Suite 100  
 Lewisville, TX 75056  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Material Specifications**

Description	Connector 1	Connector 2
Type	2.4mm Male	2.4mm 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	Stainless Steel
Coupling Nut Plating	Passivated	Passivated

**Environmental Specifications**
**Temperature**

Operating Range

-50 to +170 deg C

Humidity

MIL-STD-202, Method 206

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

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

**Plotted and Other Data**

Notes:

High Temperature Adapter 2.4mm Male to 2.4mm Male, 50GHz VSWR1.2, 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 2.4mm Male to 2.4mm Male, 50GHz VSWR1.2, MIL-STD 348B with Stainless Steel Body FMAD1638](#)

URL: <https://www.fairviewmicrowave.com/high-temperature-adapter-2.4mm-male-to-2.4mm-male-adapter-mil-std-202-method-206-50ghz-vswr1.2-mil-std-348b-with-stainless-steel-body-fmad1638-p.aspx>

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