

## High Temperature Adapter 2.92mm Male to 1.85mm Male, 40GHz VSWR1.15, MIL-STD 348B with Stainless Steel Body

2.92mm male to 1.85mm male adapter part number FMAD1653 from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 1.85mm adapter has a male to male gender configuration and is built of stainless steel in a high temperature adapter design. FMAD1653 2.92mm male to 1.85mm 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 1.85mm connector mates mechanically with commercially available 2.4mm 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	
Insertion Loss			0.32	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	0.84 in [21.34 mm]
Width	0.31 in [7.87 mm]
Height	0.31 in [7.87 mm]
Weight	0.01 lbs [5.44 g]

Description	Connector 1	Connector 2
Type	2.92mm Male	1.85mm Male
Polarity	Standard	Standard
Mating Cycles, Min	500	500
Hex Size	8 mm	8 mm
Mating Torque	11.47 in-lbs min [1.30 Nm] min	7.08 to 9.74 in-lbs [0.80 to 1.10 Nm]
Contact Captivation Axial Force, Min	4.9 lbs [2.22 kg]	4.5 lbs [2.04 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	15 in-lbs [1.7 Nm]



### Configuration:

- 2.92mm Male Connector 1
- 1.85mm Male Connector 2
- 50 Ohm
- High Temperature Adapter Design
- Straight Body Geometry

### Features:

- VSWR of 1.15:1 max up to 40 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 Male	1.85mm 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  
 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 Male to 1.85mm Male, 40GHz VSWR1.15, 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 Male to 1.85mm Male, 40GHz VSWR1.15, MIL-STD 348B with Stainless Steel Body FMAD1653](#)

URL: <https://www.fairviewmicrowave.com/high-temperature-adapter-2.92mm-male-to-1.85mm-male-adapter-mil-std-202-method-206-40ghz-vswr1.15-mil-std-348b-with-stainless-steel-body-fmad1653-p.aspx>

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