

## Miter RA 1.85mm Female to 2.4mm Male Adapter with Passivated Stainless Steel Body

Miter RA 1.85mm female to 2.4mm male adapter part number SM3841 from Fairview Microwave is in-stock and ships same day. This Fairview 1.85mm to 2.4mm adapter has a female to male gender configuration and is built of durable stainless steel. SM3841 1.85mm female to 2.4mm male adapter operates to 50 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.4:1 maximum. The 1.85mm connector mates mechanically with commercially available 2.4mm connectors. This miter right angle 1.85mm to 2.4mm 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		50	GHz
VSWR			1.4:1	
Insertion Loss			0.354	dB

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

### Mechanical Specifications

<b>Size</b>	
Length	0.5 in [12.7 mm]
Width	0.531 in [13.49 mm]
Weight	0.0155 lbs [7.03 g]

Description	Connector 1	Connector 2
Type	1.85mm Female	2.4mm Male
Polarity	Standard	Standard
Hex Size		5/16 inch
Mating Torque		8 in-lbs max [0.90 Nm] max



### Configuration:

- 1.85mm Female Connector 1
- 2.4mm Male Connector 2
- 50 Ohm
- Miter Right Angle Body Geometry

### Features:

- VSWR of 1.4:1 max up to 50 GHz
- Contact plating according to MIL-G-45204
- 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	1.85mm Female	2.4mm Male
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold over Nickel	Gold over Nickel
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Insulation Material	Oxide-Noryl	Oxide-Noryl
Outer Contact Material	Passivated Stainless Steel	
Outer Contact Plating Spec.	ASTM A380	
Body Material	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Spec.	ASTM A380	ASTM A380
Coupling Nut Material		Passivated Stainless Steel
Coupling Nut Plating Spec.		ASTM A380

### Environmental Specifications

#### Temperature

Operating Range

-55 to +125 deg C

Vibration

MIL-STD-202, method 204, test condition D (20 G's)

Salt Spray

MIL-STD-202, method 101, cond. B, 5% salt solution

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

### Plotted and Other Data

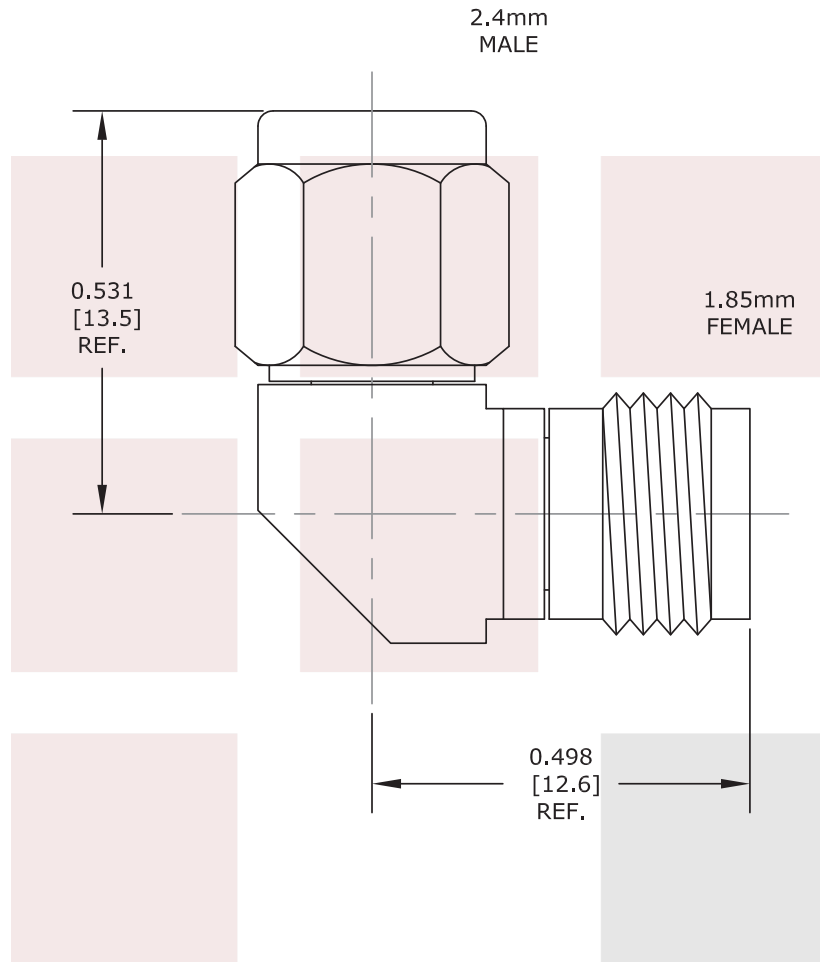
Notes:

Miter RA 1.85mm Female to 2.4mm Male Adapter with Passivated 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: [Miter RA 1.85mm Female to 2.4mm Male Adapter with Passivated Stainless Steel Body SM3841](#)

URL: <https://www.fairviewmicrowave.com/ra-1.85mm-female-2.4mm-male-adapter-sm3841-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



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TITLE Miter RA 1.85mm Female to 2.4mm Male Adapter with Passivated Stainless Steel Body		DWG NO SM3841		CAGE CODE 3FKR5	
CAD FILE	051314	SHEET	SCALE	N/A	SIZE A 2233