

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

Miter RA 1.85mm male to 2.4mm female adapter part number FMAD1213 from Fairview Microwave is in-stock and ships same day. This Fairview 1.85mm to 2.4mm adapter has a male to female gender configuration and is built of durable stainless steel. FMAD1213 1.85mm male to 2.4mm female adapter operates to 50 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.35: 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			1.35: 1	

Electrical Specification Notes:
Values at 25°C, sea level.
Insertion Loss = $0.05 * \sqrt{f(\text{GHz})}$ dB.

Mechanical Specifications

Size	
Length	6.300 in [160.0 mm]
Height	6.5 in [165.1 mm]
Weight	0.0194 lbs [8.8 g]

Description	Connector 1	Connector 2
Type	1.85mm Male	2.4mm Female
Polarity	Standard	Standard
Hex Size	5/16 Inch	
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]	



Configuration:

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

Features:

- VSWR of 1.35: 1 max up to 50 GHz
- 4 µin. Minimum contact plating
- 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 Male	2.4mm Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold over Nickel	Gold over Nickel
Contact Plating Spec.	4 µin. Minimum	4 µin. Minimum
Insulation Material	Oxide-Noryl	Oxide-Noryl
Outer Contact Material		Passivated Stainless Steel
Body Material	Passivated Stainless Steel	Passivated Stainless Steel
Gasket Material	Silicone	
Coupling Nut Material	Passivated Stainless Steel	

Environmental Specifications
Temperature

Operating Range

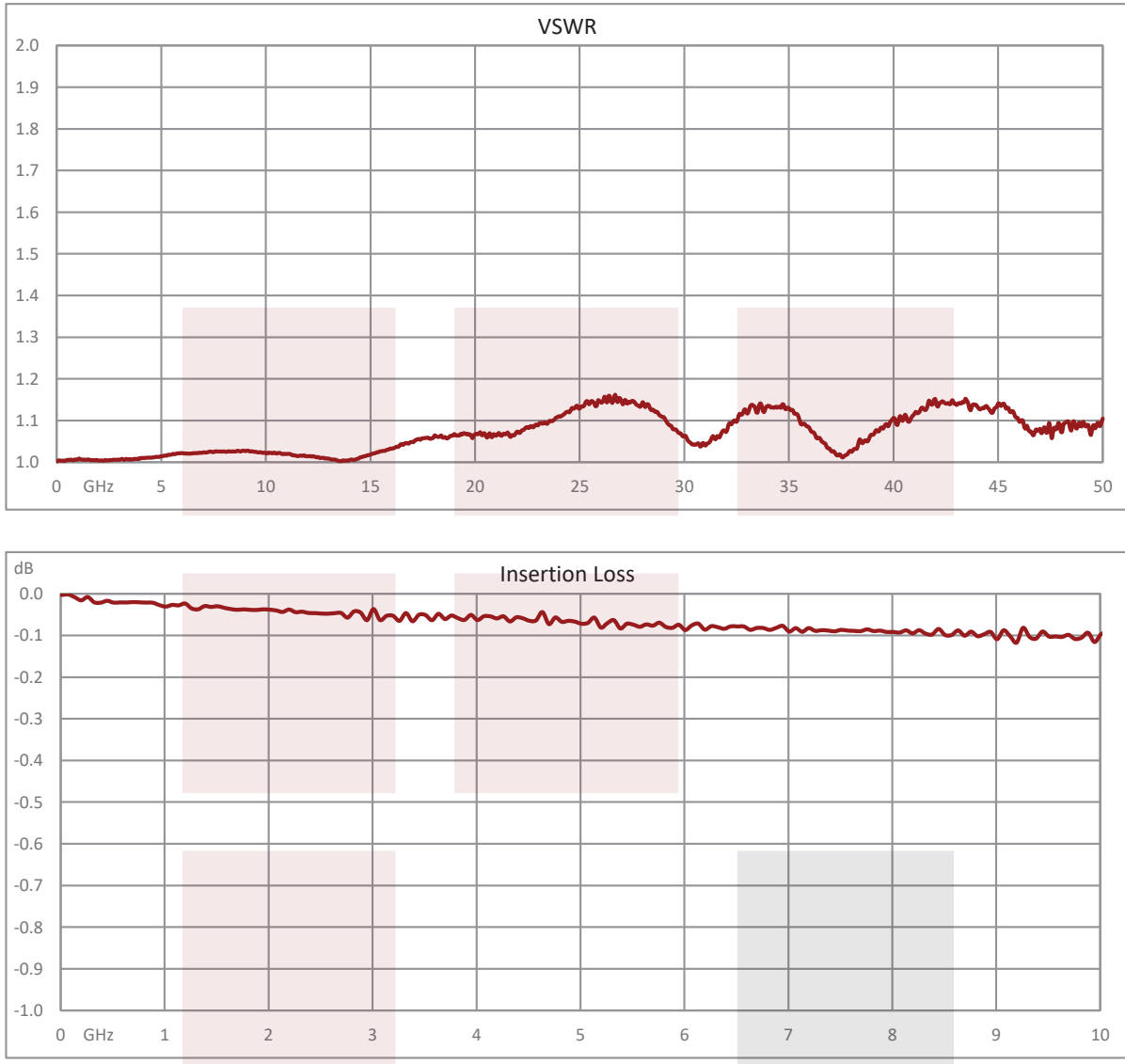
-40 to +105 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data



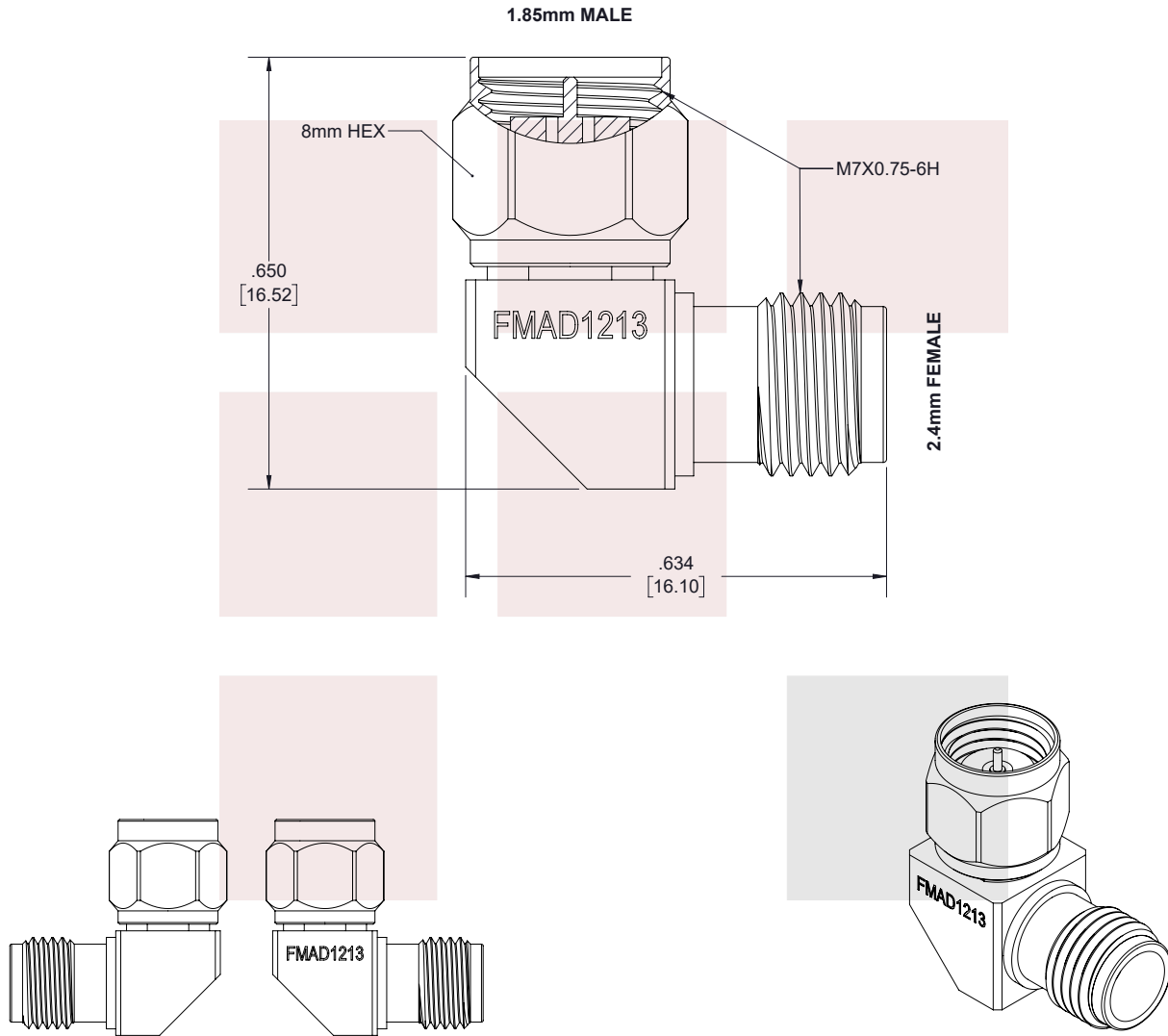
Miter RA 1.85mm Male to 2.4mm Female Adapter with Passivated Stainless Steel Body from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Miter RA 1.85mm Male to 2.4mm Female Adapter with Passivated Stainless Steel Body FMAD1213](https://www.fairviewmicrowave.com/mitter-ra-1.85mm-male-to-2.4mm-female-adapter-fmad1213-p.aspx)

URL: <https://www.fairviewmicrowave.com/mitter-ra-1.85mm-male-to-2.4mm-female-adapter-fmad1213-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.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	06/18/19	S.ELLIS



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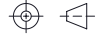
TITLE
Miter RA 1.85mm Male to 2.4mm Female Adapter with Passivated Stainless Steel Body

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. FMAD1213	REV A
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T-Rev.D