

## Miter RA 3.5mm Male to 3.5mm Male Adapter with Passivated Stainless Steel Body

Miter RA 3.5mm male to 3.5mm male adapter part number FMAD1217 from Fairview Microwave is in-stock and ships same day. This Fairview 3.5mm to 3.5mm adapter has a male to male gender configuration and is built of durable stainless steel. FMAD1217 3.5mm male to 3.5mm male adapter operates to 34.5 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.35:1 maximum. The 3.5mm connector mates mechanically with commercially available SMA and 2.92mm (K) connectors. This miter right angle 3.5mm 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		34.5	GHz
VSWR			1.35:1	

### Mechanical Specifications

<b>Size</b>	
Length	0.705 in [17.9 mm]
Width	0.315 in [8 mm]
Height	0.678 in [17.22 mm]

Description	Connector 1	Connector 2
Type	3.5mm Male	3.5mm Male
Polarity	Standard	Standard

### Material Specifications

Description	Connector 1	Connector 2
Type	3.5mm Male	3.5mm Male
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
Body Material	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material	Passivated Stainless Steel	Passivated Stainless Steel



### Configuration:

- 3.5mm Male Connector 1
- 3.5mm Male Connector 2
- 50 Ohm
- Miter Right Angle Body Geometry

### Features:

- VSWR of 1.35:1 max up to 34.5 GHz
- 4 µin. Minimum contact plating
- Gold over Nickel Plated Beryllium Copper Contact

### Applications:

- General Purpose Test

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

## Plotted and Other Data

Notes:

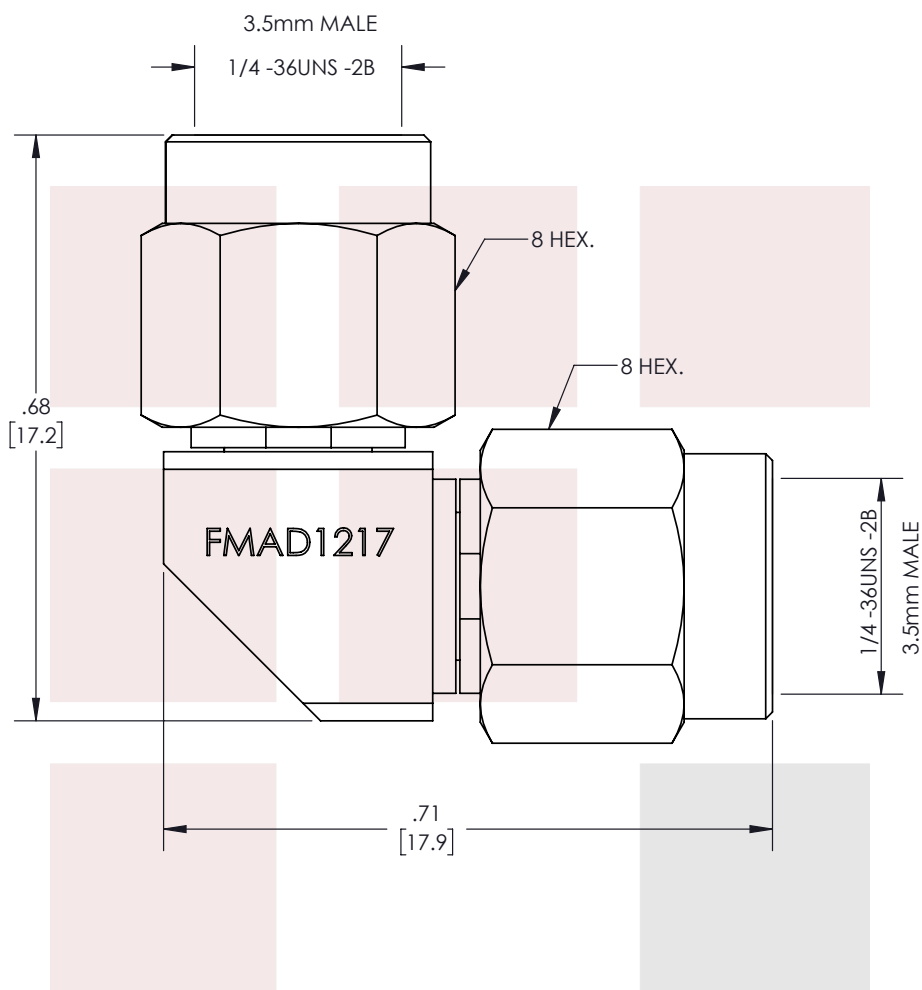
Miter RA 3.5mm Male to 3.5mm Male Adapter with Passivated Stainless Steel Body from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Miter RA 3.5mm Male to 3.5mm Male Adapter with Passivated Stainless Steel Body FMAD1217](#)

URL: <https://www.fairviewmicrowave.com/miter-ra-3.5mm-male-3.5mm-male-adapter-fmad1217-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	02/15/2021	SELLIS



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TITLE

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

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS  
.XX = ±.02 [.51] ± 1/32  
XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
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	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	MVEERAPPAN	FMAD1217	A

T-Rev.D