

## Precision Miter RA SMA Male to SMA Female Adapter with Passivated Stainless Steel Body, 27 GHz

Miter RA SMA male to SMA female adapter part number FMAD1263 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA adapter has a male to female gender configuration and is built of durable stainless steel in a precision design. FMAD1263 SMA male to SMA female adapter operates to 27 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. This miter right angle SMA 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		27	GHz
VSWR			1.2:1	

### Mechanical Specifications

Size	
Length	0.622 in [15.8 mm]
Width	0.315 in [8 mm]
Height	0.681 in [17.3 mm]
Weight	0.5 lbs [226.8 g]

Description	Connector 1	Connector 2
Type	SMA Male	SMA Female
Polarity	Standard	Standard
Hex Size	5/16 in.	

### Material Specifications

Description	Connector 1	Connector 2
Type	SMA Male	SMA Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold over Nickel	Gold over Nickel
Contact Plating Spec.	4μ in. minimum	4μ in. minimum
Insulation Material	PTFE	PTFE
Outer Contact Material		Passivated Stainless Steel
Body Material	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material	Passivated Stainless Steel	



### Configuration:

- SMA Male Connector 1
- SMA Female Connector 2
- 50 Ohm
- Precision Design
- Miter Right Angle Body Geometry

### Features:

- VSWR of 1.2:1 max up to 27 GHz
- 4μ in. minimum contact plating
- Gold over Nickel Plated Beryllium Copper Contact

### Applications:

- General Purpose Test
- Precision Test & Measurement

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

**Plotted and Other Data**

Notes:

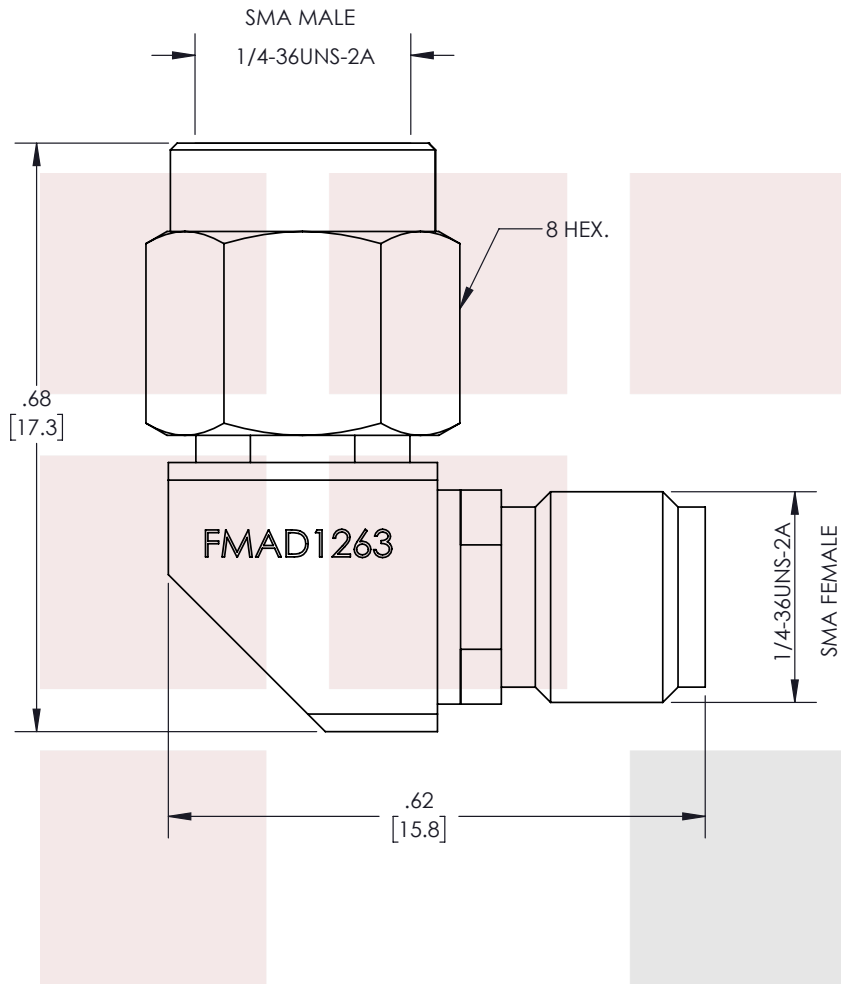
Precision Miter RA SMA Male to SMA Female Adapter with Passivated Stainless Steel Body, 27 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Precision Miter RA SMA Male to SMA Female Adapter with Passivated Stainless Steel Body, 27 GHz FMAD1263](#)

URL: <https://www.fairviewmicrowave.com/precision-miter-ra-sma-male-sma-female-adapter-fmad1263-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

Precision Miter RA SMA Male to SMA Female Adapter with Passivated Stainless Steel Body, 27 GHz

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

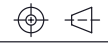
TOLERANCES:

.X = ±.2 [5.08] FRACTIONS ± 1/32  
.XX = ±.02 [.51]  
.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

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE

N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY MVEERAPPAN	ITEM NO. FMAD1263	REV A
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T-Rev.D