

SMA Male to SMA Male Adapter with Passivated Stainless Steel Body

SMA male to SMA male adapter part number FMAD1245 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA adapter has a male to male gender configuration and is built of durable stainless steel. FMAD1245 SMA male to SMA male adapter operates to 26.5 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.

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		26.5	GHz
VSWR			1.2:1	
Insertion Loss			0.21	dB
Operating Voltage (AC)			500	Vrms
DWV (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	0.86 in [21.84 mm]
Width	0.32 in [8.00 mm]
Height	0.32 in [8.00 mm]
Weight	0.01 lbs [6.35 g]

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Polarity	Standard	Standard

Material Specifications

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Contact Material	Brass	Brass
Contact Plating	Gold over Nickel	Gold over Nickel
Contact Plating Spec.	4 μ in. Minimum	4 μ in. Minimum
Insulation Material	PTFE	PTFE
Body Material	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material	Passivated Stainless Steel	Passivated Stainless Steel



Configuration:

- SMA Male Connector 1
- SMA Male Connector 2
- 50 Ohm
- Straight Body Geometry

Features:

- VSWR of 1.2:1 max up to 26.5 GHz
- 4 μ in. Minimum contact plating
- Gold over Nickel Plated Brass Contact

Applications:

- General Purpose Test

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Environmental Specifications

Temperature

Operating Range -65 to +165 deg C
Storage Range -65 to +165 deg C

Humidity MIL-STD-202, Method 206
Thermal Shock MIL-STD-202, Method 107, Condition B
Salt Spray MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

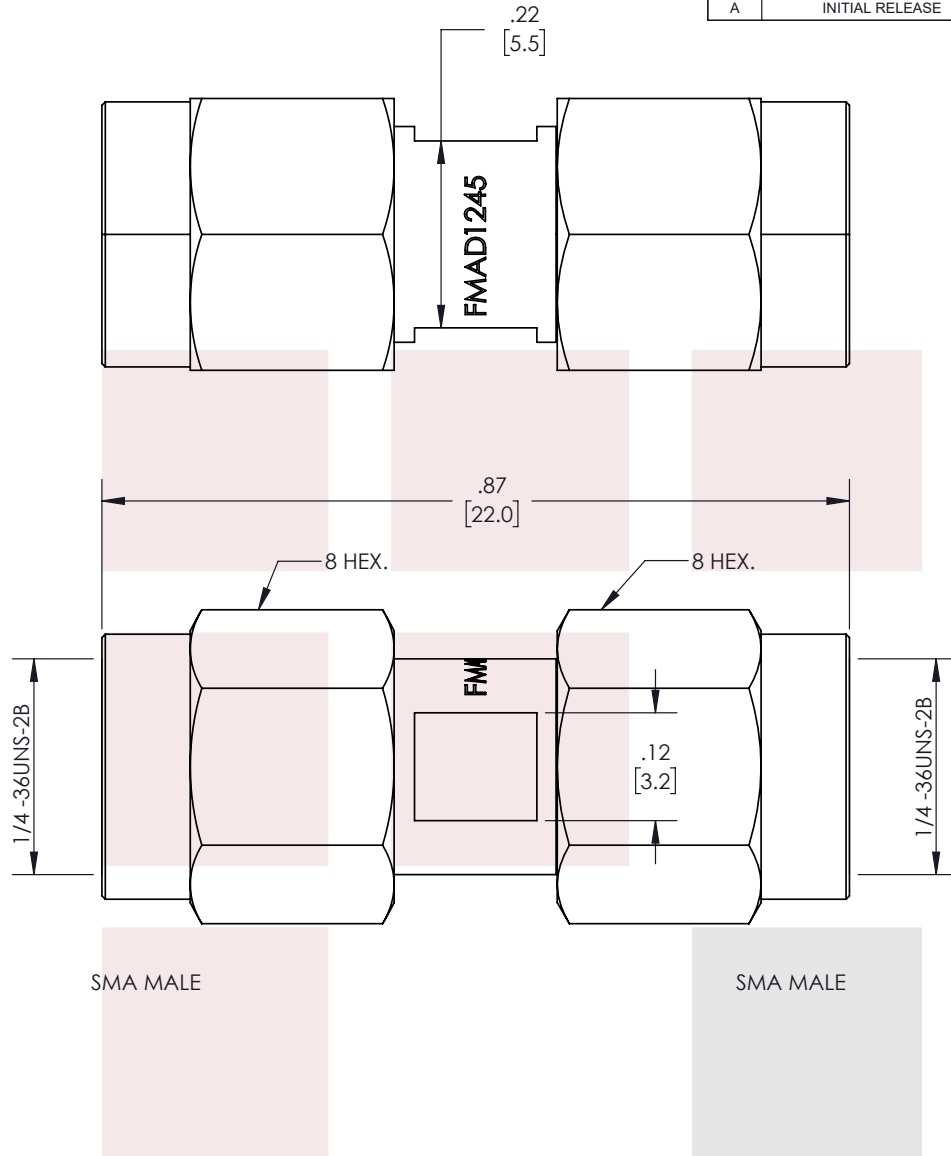
SMA Male to SMA Male Adapter with Passivated Stainless Steel Body from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male to SMA Male Adapter with Passivated Stainless Steel Body FMAD1245](#)

URL: <https://www.fairviewmicrowave.com/sma-male-sma-male-adapter-fmad1245-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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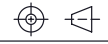
TITLE

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

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY MVEERAPPAN	ITEM NO. FMAD1245	REV A
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T-Rev.D