

1.35mm Female to 1.0mm Female Adapter, Engineering Grade

FMAD10013



Configuration

- 1.35mm Female Connector 1
- 1.0mm Female Connector 2
- 50 Ohms Impedance
- Engineering Grade Design
- Straight Body Geometry

Features

- VSWR of 1.3:1 max up to 90 GHz
- Gold Plated Beryllium Copper Contact

Applications

- Enables Between Series Connections
- General Purpose Test

Description

The engineering grade 1.35mm adapter FMAD10013 from Fairview Microwave is part of a very large in-stock collection of RF interconnect components. Our threaded 1.35mm to threaded 1.0mm RF adapter comes with a 50 Ohm impedance. Our 1.35mm to 1.0mm adapter is an engineering grade adapter designed for repeated use in a variety of applications without performance degradation. This adapter is manufactured to precise RF component specifications and has a maximum VSWR of 1.3:1. Our engineering grade RF adapter has a dielectric withstanding voltage of 500 Vrms. This radio frequency adapter has a maximum insertion loss of 0.758 dB.

This 1.35mm to 1.0mm engineering grade adapter is constructed with the female gender on side 1 and the female gender on side 2. The 1.35mm female to 1.0mm female coaxial adapter from Fairview Microwave has a straight body style. This 1.35mm to 1.0mm adapter is an in-line RF adapter in an engineering grade design. Our RF adapter can be utilized to protect connectors on expensive equipment where the number of connect and disconnect cycles is high. The FMAD10013 adapter has a length of 0.335 inches, a width of 0.335 inches, and a weight of 0.008 lbs.

Our in-series RF adapter operates at a maximum frequency of 90 GHz. This 1.35mm female to 1.0mm female radio frequency adapter has a passivated stainless steel connector body. The Fairview Microwave FMAD10013 coaxial RF adapter operates at temperatures ranging from -65 to 165 degrees C. Our engineering grade adapter is ideal for use in RF and microwave systems. Additional dimensions and specifications for this adapter are on our downloadable PDF datasheet above.

Fairview Microwave's 1.35mm female to 1.0mm female adapter is part of over one million RF, microwave and millimeter wave components in stock for worldwide shipment. We also stock and custom-build 1.35mm coaxial cables that ship quickly from our facility for all your RF adapter component needs. Make your online purchase right now to take advantage of our same-business-day shipping. For further information on similar products, our expert technical support and trained sales team can get you the ideal 90 GHz radio frequency adapter as per your requirements.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		90	GHz
Impedance		50		Ohms
VSWR			1.3:1	
Insertion Loss			0.758	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:
Insertion loss is $= .08 * \text{SQRT}(F\text{GHz})\text{dB}$

Mechanical Specifications

Size

Length	0.26 in [6.68 mm]
Width	0.26 in [6.68 mm]
Height	0.69 in [17.63 mm]
Weight	0.01 lbs [3.18 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	1,000	1,000

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	1.35mm Female		1.0mm Female	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Insulation	PEI		PEI	
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range	-65 to +165 °C
Shock	Per MIL-STD-202, Method 213, Test Conditon I
Vibration	Per MIL-STD-202, Method 204, Test Conditon D
Salt Spray	Per MIL-STD-202, Method 101, Test Conditon B, Solution 5%

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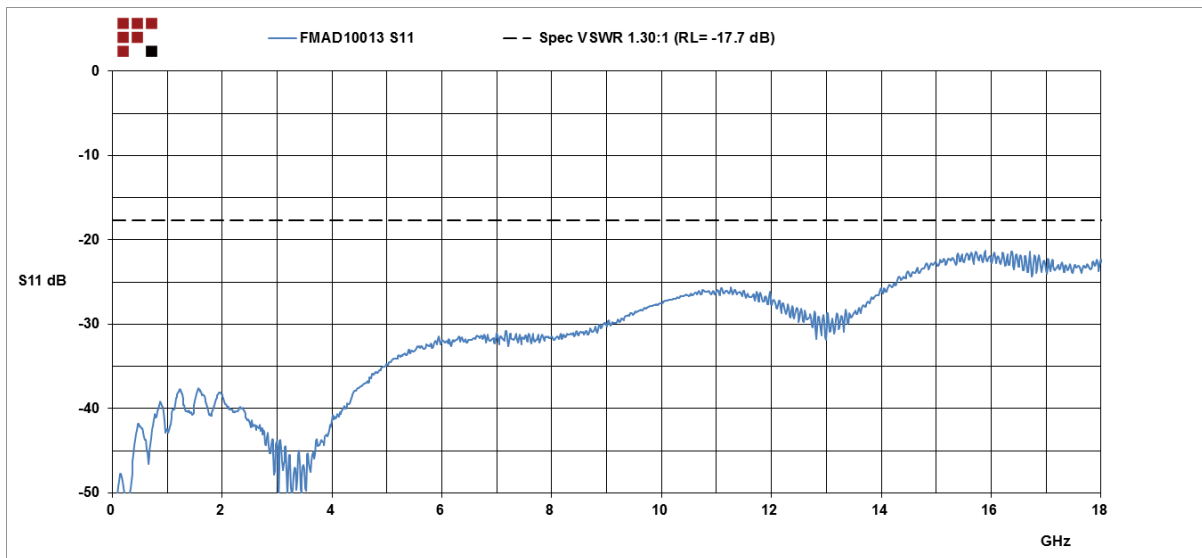
FMAD10013



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

Plotted and Other Data

Typical Performance Data



1.35mm Female to 1.0mm Female Adapter, Engineering Grade 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.

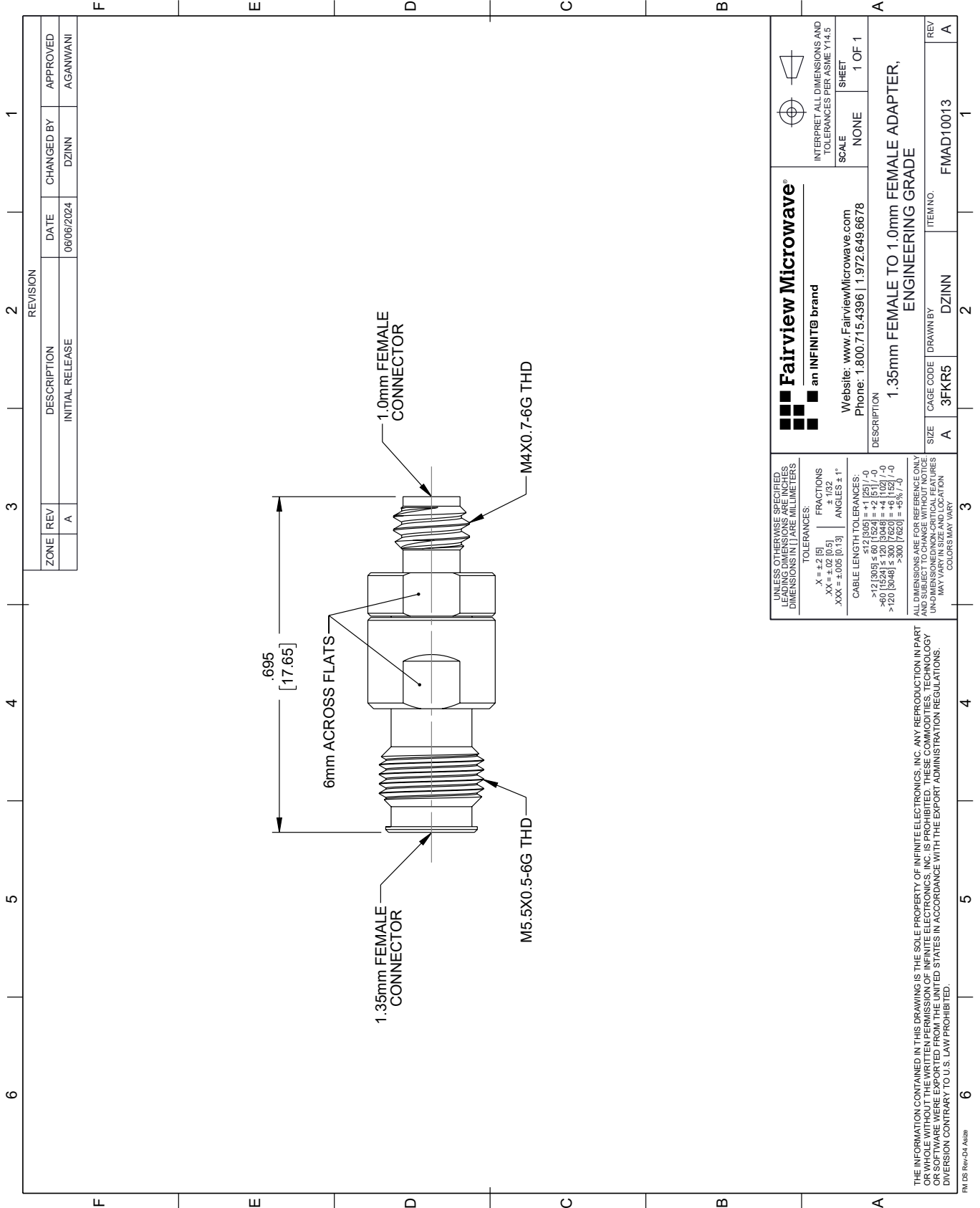
For additional information on this product, please click the following link: [1.35mm Female to 1.0mm Female Adapter, Engineering Grade FMAD10013](#)

URL: <https://www.fairviewmicrowave.com/1.35mm-female-to-1.0mm-female-adapter-with-passivated-stainless-steel-body-fmad10013-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

FMAD10013 CAD Drawing

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REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	08/06/2024	DZINN	AGANWANI

 Fairview Microwave an INFINIT® brand		Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN MILLIMETERS.		TOLERANCES: .X = ±.2 [5] FRACTIONS ± 1/32 .XX = ±.02 [0.5] ANGLES ± 1° .XXX = ±.005 [0.13]	
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TRAILING DIMENSIONS ARE IN MILLIMETERS.		CABLE LENGTH TOLERANCES: >12 [305] ≤ 60 [1524] = ±.125 [-0 >60 [1524] ≤ 120 [3048] = ±.102 [-0 >120 [3048] ≤ 300 [7620] = ±.075 [-0 >300 [7620] = ±.075 [-0	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVISION CONTRARY TO U.S. LAW PROHIBITED.		DESCRIPTION 1.35mm FEMALE TO 1.0mm FEMALE ADAPTER, ENGINEERING GRADE	
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	3FKR5	DZINN	FMAD10013
REV			
A			