

Miter RA 2.92mm Male (Plug) to 2.92mm Female (Jack) Adapter, Passivated Stainless Steel Body, 1.25 VSWR



FMAD1206

Configuration

- 2.92mm Male Connector 1
- 2.92mm Female Connector 2
- 50 Ohms Impedance
- Miter Right Angle Body Geometry

Features

- VSWR of 1.25:1 max up to 40 GHz
- 4μ in. minimum contact plating
- Gold over Nickel Plated Beryllium Copper Contact

Applications

- General Purpose Test

Description

Miter RA 2.92mm male to 2.92mm female adapter part number FMAD1206 from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 2.92mm adapter has a male to female gender configuration and is built of durable stainless steel. FMAD1206 2.92mm male to 2.92mm female adapter operates to 40 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 maximum. The 2.92mm connector mates mechanically with commercially available SMA and 3.5mm connectors. This miter right angle 2.92mm 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
VSWR			1.25:1	
Insertion Loss			0.32	dB
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:

Values at 25°C, sea level. Insertion Loss = 0.05 x vf(GHz) dB

Mechanical Specifications

Size

Length	0.67 in [17.02 mm]
Width	0.31 in [7.92 mm]
Height	0.63 in [16.00 mm]
Weight	0.02 lbs [8.66 g]

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Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	500
Hex Size	5/16 in.	
Mating Torque	8 to 10 in-lbs 0.90 to 1.13 Nm	

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	2.92mm Male		2.92mm Female	
Contact	Beryllium Copper	Gold over Nickel 4μ in. minimum	Beryllium Copper	Gold over Nickel 4μ in. minimum
Insulation	Oxide-Noryl			
Outer Conductor	Passivated Stainless Steel			
Body	Passivated Stainless Steel			
Coupling Nut	Passivated Stainless Steel			

Environmental Specifications

Temperature

Operating Range

Humidity

Shock

Salt Spray

-55 to +105 °C

MIL-STD-202, Method 206

MIL-STD-202, Method 107, Condition B

MIL-STD-202, Method 101, Condition B

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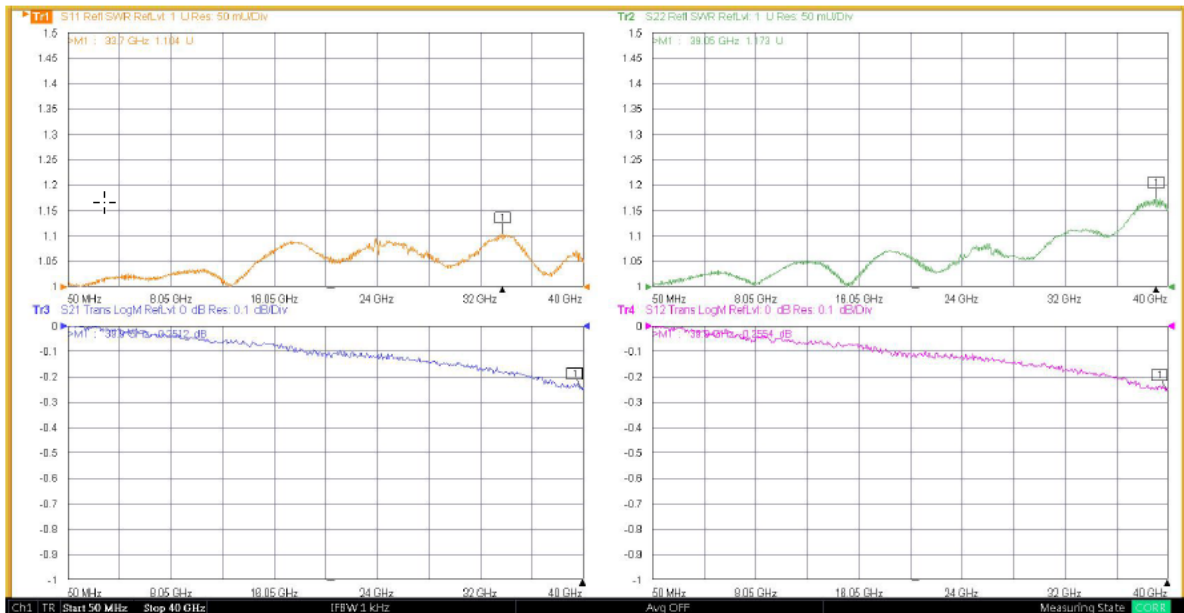


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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Typical Performance Data



Miter RA 2.92mm Male (Plug) to 2.92mm Female (Jack) Adapter, Passivated Stainless Steel Body, 1.25 VSWR 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 2.92mm Male \(Plug\) to 2.92mm Female \(Jack\) Adapter, Passivated Stainless Steel Body, 1.25 VSWR FMAD1206](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/miter-ra-2.92mm-male-2.92mm-female-adapter-fmad1206.html>

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.

FMAD1206 CAD Drawing

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