Fairview Microwave
an INFINITE brand

FMAD1606
DATA SHEET

Engineering Grade 2.4mm Male (Plug) to 2.4mm Female (Jack) Adapter with Stainless Steel Body

2.4mm male to 2.4mm female adapter part number FMAD1606 from Fairview Microwave is in-stock and ships same day. This Fairview 2.4mm to 2.4mm adapter has a male to female gender configuration and is built of durable stainless steel in a engineering grade design. FMAD1606 2.4mm male to 2.4mm female adapter operates to 50 GHz. The 2.4mm connector mates mechanically with commercially available 1.85mm (V) connectors. Our 2.4mm to 2.4mm RF adapter can also be used as a connector saver to extend equipment life.

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.

Configuration:

- 2.4mm Male Connector 1
- 2.4mm Female Connector 2
- 50 Ohm
- Engineering Grade Design
- Straight Body Geometry

Features:

- Gold Plated Beryllium Copper Contact
- Max VSWR of 1.3:1 up to 50 GHz

Applications:

- Connector Saver
- General Purpose Test

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		50	GHz
VSWR		1.35:1		
DWV (AC)			500	Vrms
Insulation Resistance	5,000			MOhms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 4	4 to 8	8 to 10	10 to 25	25 to 50	GHz
Insertion Loss, Max	0.1	0.141	0.158	0.25	0.354	dB

Electrical Specification Notes:
Values at sea level

Mechanical Specifications

Size

Length	0.95 in [24.10 mm]
Width	0.31 in [7.90 mm]
Height	0.31 in [7.90 mm]
Weight	0.01 lbs [3.63 g]

Description	Connector 1	Connector 2
Type	2.4mm Male	2.4mm Female
Polarity	Standard	Standard
Mating Cycles, Min	500	500
Mating Torque	7.08 to 9.74 in-lbs [0.80 to 1.10 Nm]	7.08 to 9.74 in-lbs [0.80 to 1.10 Nm]
Contact Retention Force, Min	60.7 lbs [27.53 kg]	60.7 lbs [27.53 kg]
Contact Captivation Axial Force, Min	4.5 lbs [2.04 kg]	4.5 lbs [2.04 kg]

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Coupling Proof Torque	15 in-lbs [1.7 Nm]	15 in-lbs [1.7 Nm]

Material Specifications

Description	Connector 1	Connector 2
Type	2.4mm Male	2.4mm Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold	Gold
Insulation Material	PPO	PPO
Outer Contact Material		Beryllium Copper
Outer Contact Plating		Gold
Body Material	Stainless Steel	Stainless Steel
Body Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material	Beryllium Copper	
Coupling Nut Plating	Gold	

Environmental Specifications

Temperature

Operating Range	-55 to +105 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:

Engineering Grade 2.4mm Male (Plug) to 2.4mm Female (Jack) Adapter with 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: Engineering Grade 2.4mm Male (Plug) to 2.4mm Female (Jack) Adapter with Stainless Steel Body FMAD1606

URL: https://www.fairviewmicrowave.com/2-4mm-male-to-2-4mm-female-adapter-mil-std-202-method-206-stainless-steel-engineering-grade-fmad1606-p.aspx