

Precision 2.4mm Female (Jack) to N Male (Plug) Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body



FMAD10029

Configuration

- 2.4mm Female Connector 1
- N Male Connector 2
- 50 Ohms Impedance
- Precision Design
- Straight Body Geometry

Features

- VSWR of 1.15:1 max up to 18 GHz
- 2.4mm interface meets MIL-STD-348B
- Type N interface meets MIL-STD-348B
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

- Enables Between Series Connections
- General Purpose Test
- Precision Test & Measurement

Description

2.4mm female to type N male adapter part number FMAD10029 from Fairview Microwave is in-stock and ships same day. This Fairview 2.4mm to type N adapter has a female to male gender configuration and is built of durable stainless steel in a precision design. FMAD10029 2.4mm female to type N male adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.15:1 maximum. The 2.4mm connector mates mechanically with commercially available 1.85mm (V) 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
VSWR			1.15:1	
Insertion Loss			0.13	dB
Operating Voltage (AC)			150	Vrms
Dielectric Withstanding Voltage (AC)			500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

- Length 1.24 in [31.50 mm]
- Width 0.75 in [19.00 mm]
- Height 0.75 in [19.00 mm]
- Weight 0.07 lbs [29.48 g]

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Description	Connector 1	Connector 2
Interface Specification	MIL-STD-348B	MIL-STD-348B
Mating Cycles, Min	500	500
Mating Torque	7.08 to 9.74 in-lbs 0.80 to 1.10 Nm	6 to 10 in-lbs 0.68 to 1.13 Nm
Contact Retention Force, Min		101.2 lbs [45.9 kg]
Contact Captivation Axial Force, Min	4.5 lbs [2.04 kg]	6.3 lbs [2.86 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	15 in-lbs [1.7 Nm]

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	2.4mm Female		N Male	
Contact	Beryllium Copper	Gold over Nickel over Copper	Beryllium Copper	Gold over Nickel over Copper
Outer Conductor	Passivated Stainless Steel		Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Gasket	Silicone		Silicone	

Environmental Specifications

Temperature

Operating Range	-65 to +165 °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

Precision 2.4mm Female (Jack) to N Male (Plug) Adapter MIL-STD-202, Method 206 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.

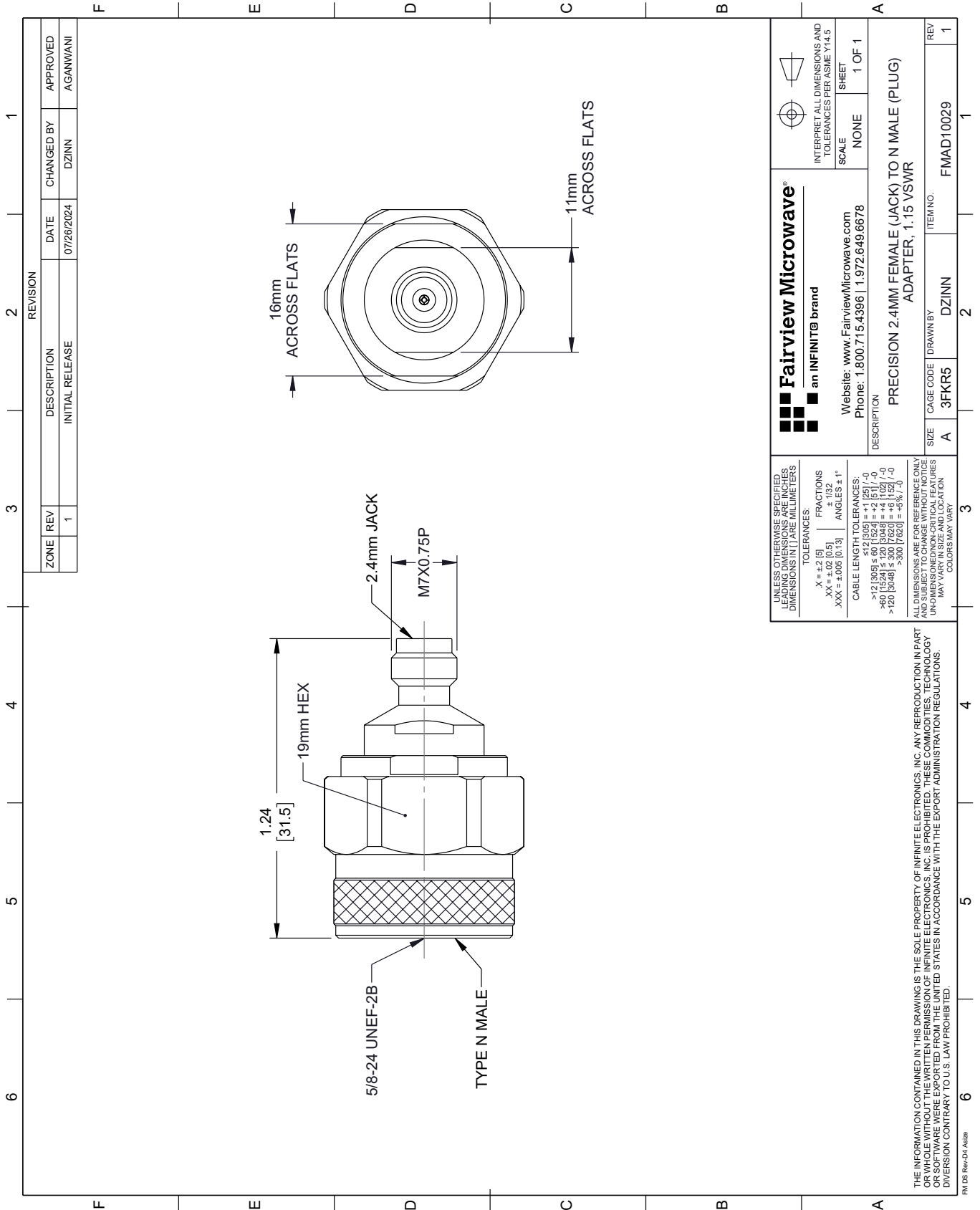
For additional information on this product, please click the following link: [Precision 2.4mm Female \(Jack\) to N Male \(Plug\) Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body FMAD10029](#)

URL: <https://www.fairviewmicrowave.com/precision-2.4mm-female-to-n-male-adapter-mil-std-202-method-206-with-passivated-stainless-steel-body-fmad10029-p.aspx>

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FMAD10029 CAD Drawing

Precision 2.4mm Female (Jack) to N Male (Plug) Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	1	INITIAL RELEASE	07/26/2024	DZINN	AGANWANI

Fairview Microwave
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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5] FRACTIONS ± 1/32
 .XX = ±.02 [0.5] ANGLES ± 1°
 .XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:
 ≤ 12 [305] ± .60 [15.24] = ±.2 [5] / -0
 > 12 [305] ≤ 60 [1524] = ±.4 [10.2] / -0
 > 60 [1524] ≤ 120 [3048] = ±.4 [10.2] / -0
 > 120 [3048] ≤ 300 [7620] = ±.6 [15.24] / -0
 > 300 [7620] = ±.8 [20.32] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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FAIRVIEW MICROWAVE
 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
 SCALE NONE
 SHEET 1 OF 1

DESCRIPTION
 PRECISION 2.4MM FEMALE (JACK) TO N MALE (PLUG) ADAPTER, 1.15 VSWR

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	DZINN	FMAD10029	1