N Male (Plug) to SMA Female (Jack) Adapter MIL-STD-202, Method 206

FMAD10103

Configuration
- N Male Connector 1
- SMA Female Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

Features
- VSWR of 1.2:1 max up to 11 GHz

Applications
- Enables Between Series Connections
- General Purpose Test

Description
Type N male to SMA female adapter part number FMAD10103 from Fairview Microwave is in-stock and ships same day. This Fairview type N to SMA adapter has a male to female gender configuration. FMAD10103 type N male to SMA female adapter operates to 11 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum.

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		11	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Insertion Loss			0.132	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.09 in [27.61 mm]
Width	0.83 in [21.01 mm]
Height	1.09 in [27.61 mm]
Weight	0.10 lbs [45.36 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	100

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+1 (866) 839-4711 | sales@fairviewmicrowave.com | fairviewmicrowave.com

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Description	Connector 1	Connector 2
Mating Torque	6 to 10 in-lbs 0.68 to 1.13 Nm	4 in-lbs 0.45 Nm min
Contact Captivation Axial Force, Min	6.3 lbs [2.86 kg]	6.1 lbs [2.77 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	5.3 in-lbs [0.6 Nm]
Coupling Retention, Min	101.2 lbs [45.9 kg]	

Material Specifications

	Connector 1		Connector 2	
Description	Material	Plating	Material	Plating
Type	N Male		SMA Female	
Contact			Beryllium Copper	Gold over Nickel over Copper
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Copper-Tin-Zinc Alloy
Body	Brass	Gold over Nickel over Copper	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature

Operating Range	-65 to +165 ºC
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

N Male (Plug) to SMA Female (Jack) Adapter MIL-STD-202, Method 206 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: N Male (Plug) to SMA Female (Jack) Adapter MIL-STD-202, Method 206 FMAD10103

URL: https://www.fairviewmicrowave.com/product/rf-adapters/n-male-to-sma-female-adapter-mil-std-202-method-206-fmad10103.html

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FMAD10103 CAD Drawing

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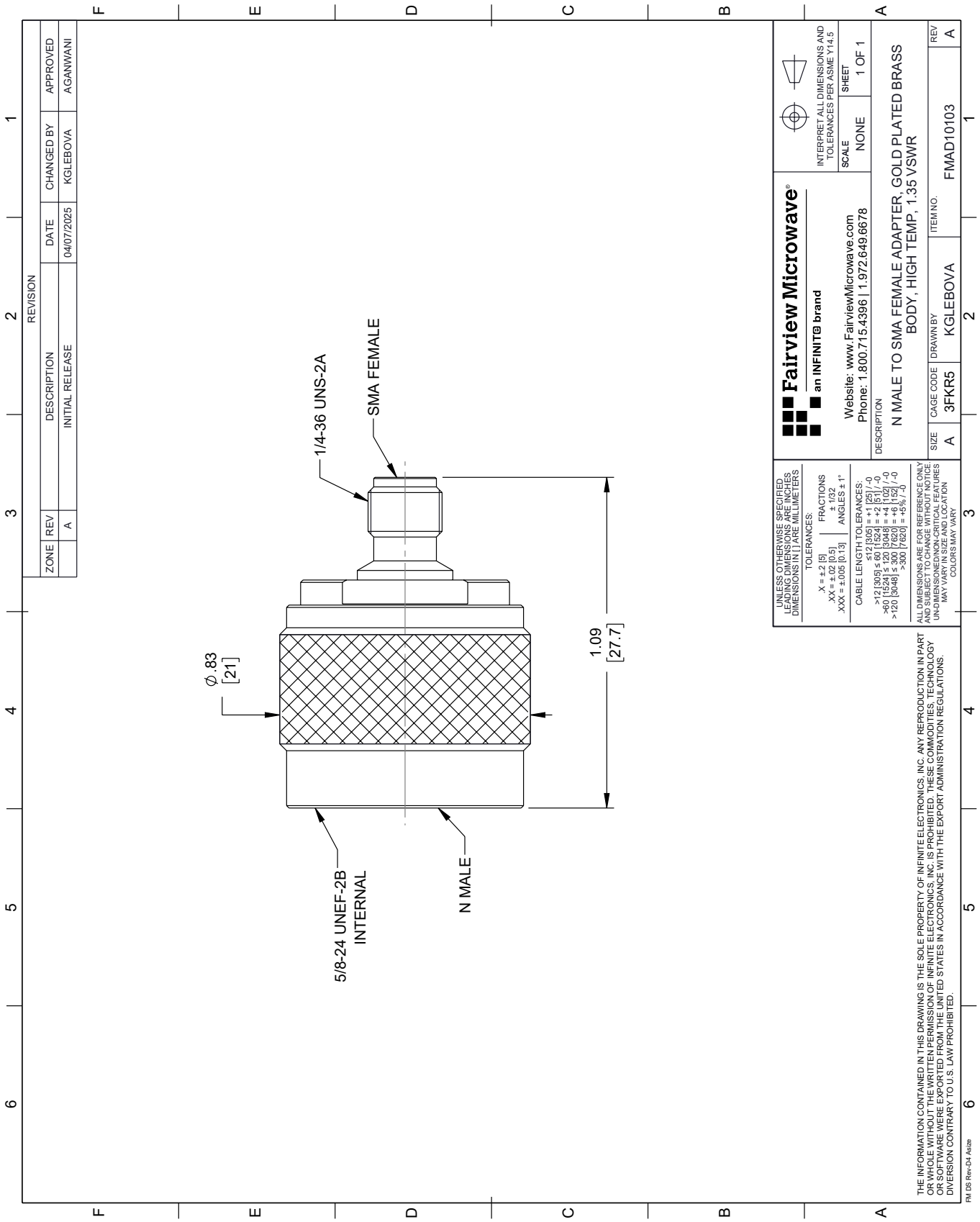

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