

N Male (Plug) to N Male (Plug) Radius Right Angle Adapter, Passivated, VSWR 1.2 Max. DC-18GHz



FMAD91785

Configuration

- N Plug Connector 1
- N Plug Connector 2
- 50 Ohms Impedance
- Radius Right Angle Body Geometry

Features

- VSWR of 1.2:1 max up to 18 GHz
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test

Description

The type N radius right angle adapter FMAD91785 from Fairview Microwave is part of a very large in-stock collection of RF interconnect components. Our type N to type N RF adapter comes with a 50 Ohm impedance. This adapter is manufactured to precise RF component specifications and has a maximum VSWR of 1.2:1. Our RF adapter has a dielectric withstanding voltage of 2500 Vrms.

This type N to type N adapter is constructed with the plug gender on side 1 and the plug gender on side 2. The type N plug to type N plug coaxial adapter from Fairview Microwave has a radius right angle body style. This radius right angle type N adapter is a 90 degree swept elbow adapter. Our RF adapter can be utilized to protect connectors on expensive equipment where the number of connect and disconnect cycles is high. The FMAD91785 adapter has a length of 1.55 inches, a width of 0.75 inches, and a weight of 0.109 lbs.

Our in-series radius right angle RF adapter operates at a maximum frequency of 18 GHz. This type N plug to type N plug radio frequency adapter has a passivated stainless steel connector body. The Fairview Microwave FMAD91785 coaxial RF adapter operates at temperatures ranging from -65 to 165 degrees C. Additional dimensions and specifications for this adapter are on our downloadable PDF datasheet above.

Fairview Microwave's type N plug to type N plug radius right angle adapter is part of over one million RF microwave and millimeter wave components in stock for worldwide shipment. We also stock and custom-build type N 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 18 GHz radio frequency adapter as per your requirements.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Return Loss		0.6		dB
Operating Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			1	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

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Mechanical Specifications

Size

Length	1.55 in [39.37 mm]
Width	0.75 in [19.05 mm]
Height	1.55 in [39.37 mm]
Weight	0.11 lbs [49.62 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	500
Mating Torque	6 to 10 in-lbs 0.68 to 1.13 Nm	6 to 10 in-lbs 0.68 to 1.13 Nm

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Plug		N Plug	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Insulation	PTFE		PTFE	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel		Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range	-65 to +165 °C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

N Male (Plug) to N Male (Plug) Radius Right Angle Adapter, Passivated, VSWR 1.2 Max. DC-18GHz 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.

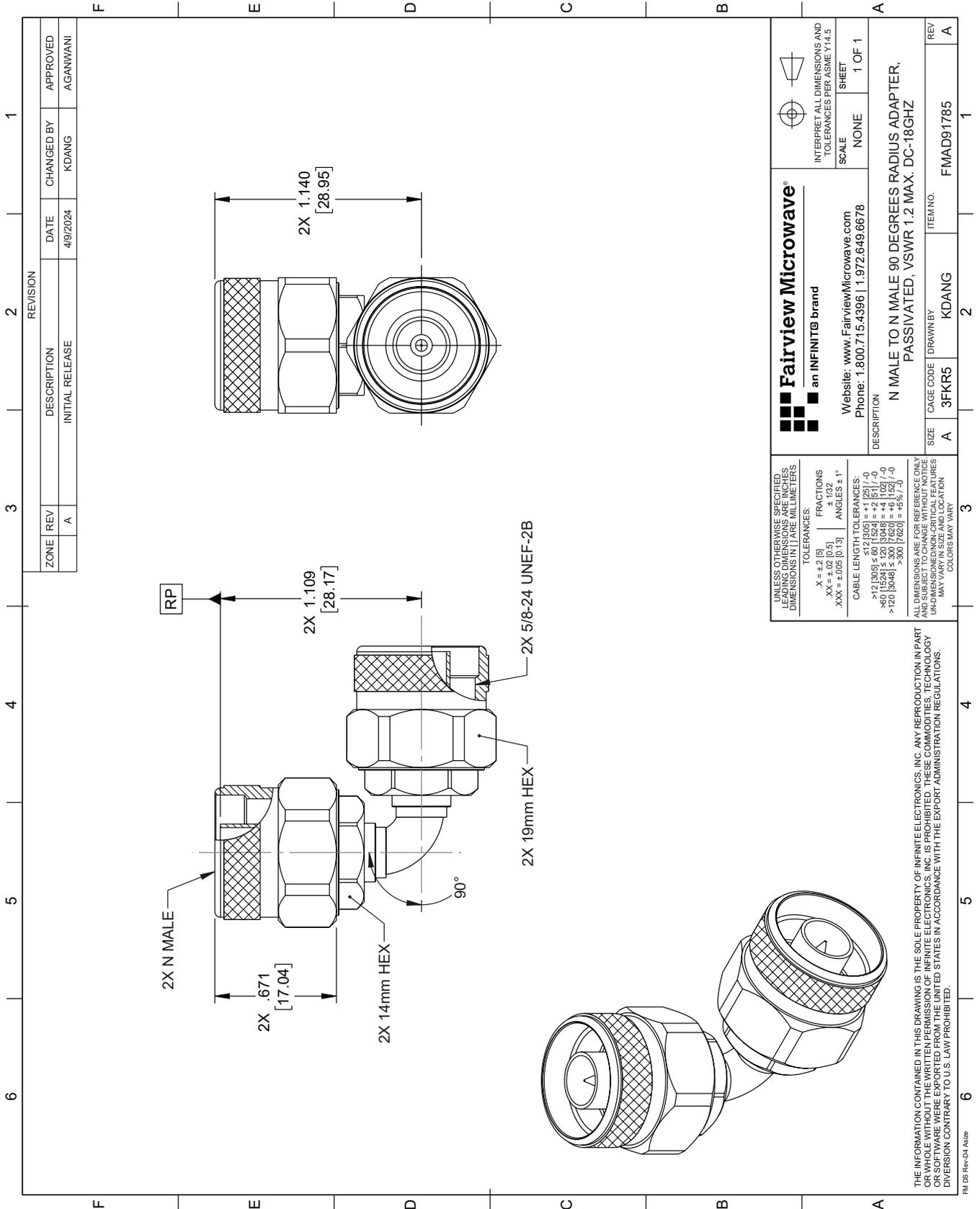
For additional information on this product, please click the following link: [N Male \(Plug\) to N Male \(Plug\) Radius Right Angle Adapter, Passivated, VSWR 1.2 Max. DC-18GHz FMAD91785](#)

URL: <https://www.fairviewmicrowave.com/radius-ra-n-plug-to-n-plug-adapter-with-passivated-stainless-steel-body-fmad91785-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.

FMAD91785 CAD Drawing

N Male (Plug) to N Male (Plug) Radius Right Angle Adapter, Passivated, VSWR 1.2 Max. DC-18GHZ



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV			
	A	4/9/2024	KDANG	AGANWANI
DESCRIPTION				
INITIAL RELEASE				

Fairview Microwave®
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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. 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 [1524] = ±.1 [2.5] / -0
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
 >120 [3048] ≤ 300 [7620] = ±.6 [15.2] / -0
 >300 [7620] = ±.8 [20.3] / -0

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

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE SHEET: 1 OF 1

DESCRIPTION: N MALE TO N MALE 90 DEGREES RADIUS ADAPTER, PASSIVATED, VSWR 1.2 MAX. DC-18GHZ

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	3FKR5	KDANG	FMAD91785

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