

RA N Male (Plug) to N Female (Jack) Adapter, Commercial Grade



FMAD10045

Configuration

- N Male Connector 1
- N Female Connector 2
- 50 Ohms Impedance
- Right Angle Body Geometry

Features

- Gold Plated Brass Contact

Applications

- General Purpose Test

Description

RA type N male to type N female adapter part number FMAD10045 from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N adapter has a male to female gender configuration. FMAD10045 type N male to type N female adapter operates to 11 GHz. This right angle type N 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		11	GHz
Impedance		50		Ohms
Insertion Loss			0.15	dB
Operating Voltage (DC)			1,500	Vdc
Dielectric Withstanding Voltage (DC)			2,500	

Mechanical Specifications

Size

Length	1.26 in [32.00 mm]
Width	1.26 in [32.00 mm]
Height	1.26 in [32.00 mm]
Weight	0.14 lbs [63.50 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Male		N Female	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel	Brass	Nickel
Body	Brass	Nickel	Brass	Nickel
Gasket	Rubber			
Washer	Brass	Nickel	Brass	Nickel

Environmental Specifications

Temperature

Operating Range

-55 to +85 °C

Humidity

MIL-Std-202, Method 106, Condition B

Vibration

MIL-Std-202, Method 204, Condition B

Altitude

MIL-Std-202, Method 105, Condition C

Temperature Cycling

MIL-Std-202, Method 102, Condition C

Salt Spray

MIL-Std-202, Method 101, Condition C

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

Plotted and Other Data

RA N Male (Plug) to N Female (Jack) Adapter, Commercial Grade 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: [RA N Male \(Plug\) to N Female \(Jack\) Adapter, Commercial Grade FMAD10045](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/ra-n-male-to-n-female-adapter-mil-std-202-method-106-condition-b-fmad10045.html>

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FMAD10045 CAD Drawing

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