RA N Female (Jack) to BNC Male (Plug) Adapter MIL-STD-202

FMAD10129

Configuration

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

Features

- VSWR of 1.3:1 max up to 4 GHz

Applications

- Enables Between Series Connections
- General Purpose Test

Description

RA type N female to BNC male adapter part number FMAD10129 from Fairview Microwave is in-stock and ships same day. This Fairview type N to BNC adapter has a female to male gender configuration. FMAD10129 type N female to BNC male adapter operates to 4 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 maximum. This right angle type N to BNC 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		4	GHz
Impedance		50		Ohms
VSWR			1.3:1	
Insertion Loss			0.12	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.29 in [32.77 mm]
Width	0.57 in [14.48 mm]
Height	1.18 in [29.97 mm]
Weight	0.10 lbs [45.36 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard

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Description	Connector 1	Connector 2
Mating Cycles, Min	500	500
Mating Torque	6 to 10 in-lbs 0.68 to 1.13 Nm	0.6 to 2.5 in-lbs 0.07 to 0.28 Nm
Contact Retention Force, Min		101.2 lbs [45.9 kg]
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]	

Material Specifications

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

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

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Compliance Certifications (see product page for current document)

Plotted and Other Data

RA N Female (Jack) to BNC Male (Plug) Adapter MIL-STD-202 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 Female (Jack) to BNC Male (Plug) Adapter MIL-STD-202 FMAD10129

URL: https://www.fairviewmicrowave.com/product/rf-adapters/ra-n-female-to-bnc-male-adapter-mil-std-202-fmad10129.html

FMAD10129 CAD Drawing

RA N Female (Jack) to BNC Male (Plug) Adapter MIL-STD-202