

## N Female (Jack) to BNC Male (Plug) Adapter



### FMAD10142

#### Configuration

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

#### Features

- VSWR of 1.25:1 max up to 3 GHz
- Type N interface meets MIL-STD-348B
- BNC interface meets MIL-STD-348B
- Gold over Nickel over Copper Plated Beryllium Copper Contact

#### Applications

- Enables Between Series Connections
- General Purpose Test

#### Description

Type N female to BNC male adapter part number FMAD10142 from Fairview Microwave is in-stock and ships same day. This Fairview type N to BNC adapter has a female to male gender configuration. FMAD10142 type N female to BNC male adapter operates to 3 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 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		3	GHz
Impedance		50		Ohms
VSWR			1.25:1	
Insertion Loss			0.103	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

#### Mechanical Specifications

##### Size

Length	1.30 in [33.02 mm]
Width	0.62 in [15.80 mm]
Height	0.62 in [15.80 mm]
Weight	0.06 lbs [27.22 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard

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Description	Connector 1	Connector 2
Interface Specification	MIL-STD-348B	MIL-STD-348B
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 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]	
Coupling Retention, Min		101.2 lbs [45.9 kg]

### Material Specifications

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

### Environmental Specifications

#### Temperature

Operating Range

Humidity

Thermal Shock

Salt Spray

-65 to +165 °C

MIL-STD-202, Method 206

MIL-STD-202, Method 107, Condition B

MIL-STD-202, Method 101, Condition B

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

#### Plotted and Other Data

N Female (Jack) to BNC Male (Plug) Adapter 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 Female \(Jack\) to BNC Male \(Plug\) Adapter FMAD10142](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/n-female-to-bnc-male-adapter-mil-std-202-method-206-fmad10142.html>

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# FMAD10142 CAD Drawing

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