

BNC Female (Jack) to N Female (Jack) Adapter, Commercial Grade



FMAD10038

Configuration

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

Features

- Gold Plated Brass Contact

Applications

- Enables Between Series Connections
- General Purpose Test

Description

BNC female to type N female adapter part number FMAD10038 from Fairview Microwave is in-stock and ships same day. This Fairview BNC to type N adapter has a female to female gender configuration. FMAD10038 BNC female to type N female adapter operates to 4 GHz.

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
Insertion Loss			0.15	dB
Operating Voltage (DC)			500	Vdc
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size

Length	1.10 in [27.94 mm]
Width	0.65 in [16.46 mm]
Height	0.65 in [16.46 mm]
Weight	0.05 lbs [22.68 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Torque	15 in-lbs 1.70 Nm max	15 in-lbs 1.70 Nm max

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	BNC Female		N Female	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel		
Body	Brass	Nickel	Brass	Nickel

Environmental Specifications

Temperature

Operating Range	-55 to +85 °C
Humidity	MIL-Std. 202 Method 106 (Test Condition B)
Vibration	MIL-Std. 202 Method 204 (Test Condition B)
Altitude	MIL-Std. 202 Method 105 (Test Condition C)
Temperature Cycling	MIL-Std. 202 Method 102 (Test Condition C)
Salt Spray	MIL-Std. 202 Method 101 (Test Condition C)

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

Plotted and Other Data

BNC Female (Jack) 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.

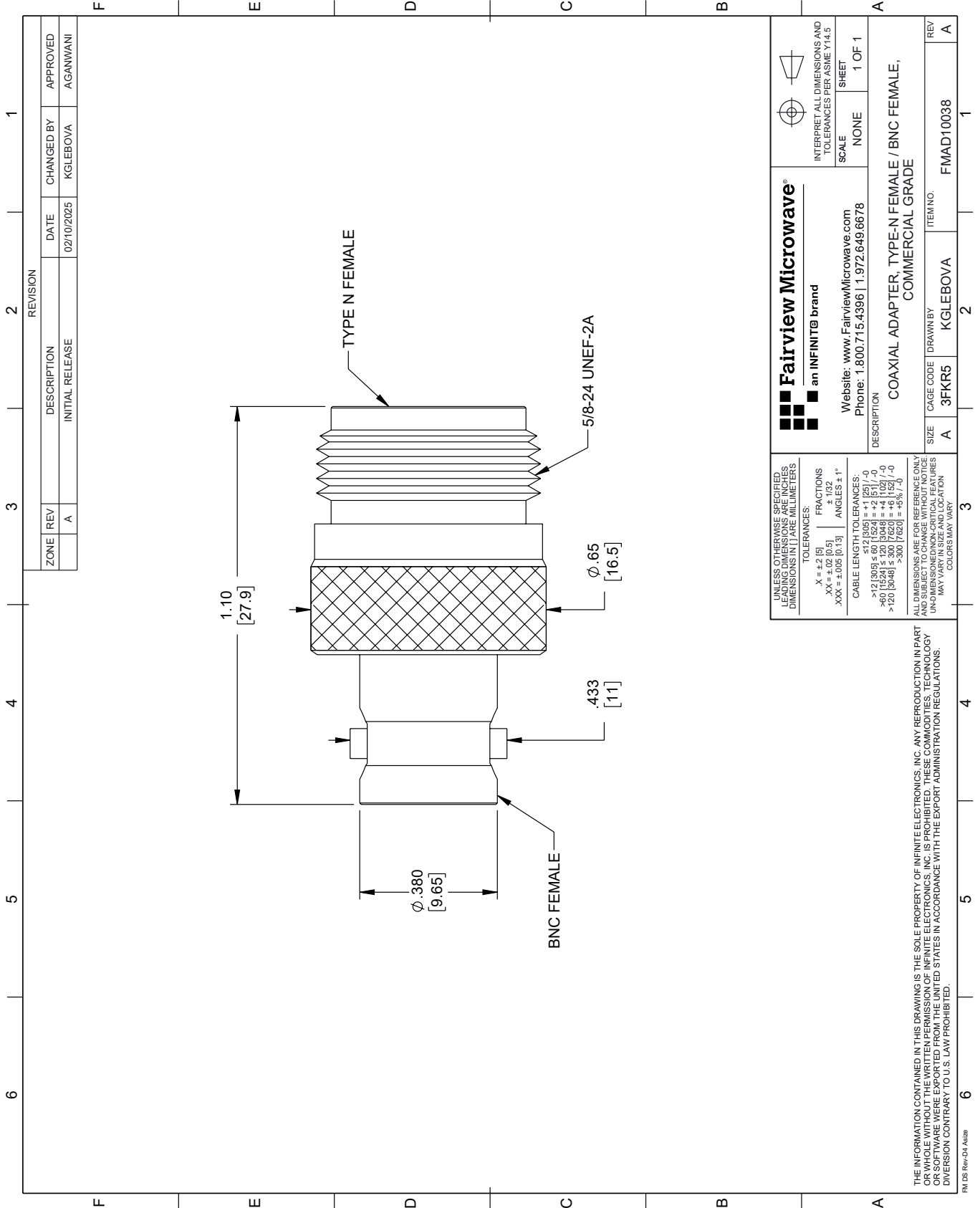
For additional information on this product, please click the following link: [BNC Female \(Jack\) to N Female \(Jack\) Adapter, Commercial Grade FMAD10038](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/bnc-female-to-n-female-adapter-mil-std.-202-method-106-test-condition-b-fmad10038.html>

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.

FMAD10038 CAD Drawing

BNC Female (Jack) to N Female (Jack) Adapter, Commercial Grade



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION	INITIAL RELEASE	
	A			AGANWANI

Fairview Microwave®
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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
SHEET: 1 OF 1

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND 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 [15.24] = ±.2 [5.1] / -0
> 12 [305] ≤ 60 [1524] = ±.4 [10.2] / -0
> 60 [1524] ≤ 120 [3048] = ±.4 [10.2] / -0
> 120 [3048] ≤ 300 [7620] = ±.6 [15.24] / -0
300 [7620] ≤ 450 [11430] = ±.8 [20.32] / -0

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

DESCRIPTION: COAXIAL ADAPTER, TYPE-N FEMALE / BNC FEMALE, COMMERCIAL GRADE

ITEM NO.: FMAD10038

SIZE: A CAGE CODE: 3FKR5 DRAWN BY: KGLEBOVA

REVISION: A

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