

75 Ohm BNC T Adapter Female (Jack) -Male (Plug) -Female (Jack)



FMAD10101

Configuration

- BNC Female Connector 1
- BNC Male Connector 2
- BNC Female Connector 3
- 75 Ohms Impedance
- Tee Body Geometry

Features

- VSWR of 2:1

Applications

- General Purpose Test
- CATV

Description

75 ohm BNC T adapter female-male-female part number FMAD10101 from Fairview Microwave is in-stock and ships same day. This Fairview BNC T adapter has a female-male-female gender configuration. Our BNC T connector. The Fairview Microwave RF adapter provides good VSWR of 2:1 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
Impedance		75		Ohms
VSWR			2:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:

This adaptor is a non-matched 3db divider for low frequency applications.

Mechanical Specifications

Size
Length
Width
Height
Weight

1.28 in [32.51 mm]
0.57 in [14.50 mm]
1.11 in [28.30 mm]
0.10 lbs [45.36 g]

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Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	500
Mating Torque	0.6 to 2.5 in-lbs 0.07 to 0.28 Nm	0.6 to 2.5 in-lbs 0.07 to 0.28 Nm
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	6.1 lbs [2.77 kg]
Coupling Retention, Min	101.2 lbs [45.9 kg]	101.2 lbs [45.9 kg]

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	BNC Female		BNC Male	
Contact	Phosphor Bronze	Copper-Tin-Zinc Alloy	Brass	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 °C

Humidity

MIL-STD-202, Method 106

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

75 Ohm BNC T Adapter Female (Jack) -Male (Plug) -Female (Jack) 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: [75 Ohm BNC T Adapter Female \(Jack\) -Male \(Plug\) -Female \(Jack\) FMAD10101](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/75-ohm-bnc-t-adapter-female-male-female-fmad10101.html>

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FMAD10101 CAD Drawing

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