

N T Adapter Female (Jack)-Male (Plug)-Female (Jack)



FMAD10097

Configuration

- N Female Connector 1
- N Male Connector 2
- N Female Connector 3
- 50 Ohms Impedance
- Tee Body Geometry

Features

- VSWR of 2:1
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test

Description

Type N T adapter female-male-female part number FMAD10097 from Fairview Microwave is in-stock and ships same day. This Fairview type N T adapter has a female-male-female gender configuration. Our type N 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		50		Ohms
VSWR			2:1	
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			2,500	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	1.94 in [49.20 mm]
Width	0.83 in [21.01 mm]
Height	1.43 in [36.40 mm]
Weight	0.50 lbs [226.80 g]

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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	6 to 10 in-lbs 0.68 to 1.13 Nm
Contact Captivation Axial Force, Min	6.3 lbs [2.86 kg]	6.3 lbs [2.86 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	15 in-lbs [1.7 Nm]
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	N Female		N Male	
Contact	Brass	Gold over Nickel over Copper	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			

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

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

Plotted and Other Data

N 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: [N T Adapter Female \(Jack\)-Male \(Plug\)-Female \(Jack\) FMAD10097](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/n-t-adapter-female-male-female-fmad10097.html>

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