

TNC Female (Jack) to TNC Female (Jack) Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body



FMAD10102

Configuration

- TNC Female Connector 1
- TNC Female Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

Features

- VSWR of 1.2:1 max up to 18 GHz
- Gold over Nickel over Copper Plated Beryllium Copper Contact

Applications

- General Purpose Test

Description

TNC female to TNC female adapter part number FMAD10102 from Fairview Microwave is in-stock and ships same day. This Fairview TNC to TNC adapter has a female to female gender configuration and is built of durable stainless steel. FMAD10102 TNC female to TNC female adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 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
Frequency Range	DC		18	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Insertion Loss			0.212	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.28 in [32.51 mm]
Width	0.43 in [11.00 mm]
Height	1.28 in [32.51 mm]
Weight	0.20 lbs [90.72 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	500

TNC Female (Jack) to TNC Female (Jack) Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body



FMAD10102

Description	Connector 1	Connector 2
Mating Torque	4.1 to 6.1 in-lbs 0.46 to 0.69 Nm	4.1 to 6.1 in-lbs 0.46 to 0.69 Nm
Contact Captivation Axial Force, Min	6.1 lbs [2.77 kg]	6.1 lbs [2.77 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	15 in-lbs [1.7 Nm]

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	TNC Female		TNC Female	
Contact	Beryllium Copper	Gold over Nickel over Copper	Beryllium Copper	Gold over Nickel over Copper
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Copper-Tin-Zinc Alloy		
Body	Passivated Stainless Steel		Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range

-65 to +165 °C

Humidity

MIL-STD-202, Method 206

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

TNC Female (Jack) to TNC Female (Jack) Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body 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: [TNC Female \(Jack\) to TNC Female \(Jack\) Adapter MIL-STD-202, Method 206 with Passivated Stainless Steel Body FMAD10102](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/tnc-female-to-tnc-female-adapter-mil-std-202-method-206-with-passivated-stainless-steel-body-fmad10102.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.

TNC Female (Jack) to TNC Female (Jack) Adapter MIL-STD-202,
Method 206 with Passivated Stainless Steel Body

