

RP TNC Female (Jack) to RP SMA Male (Plug) Adapter, Commercial Grade



FMAD10054

Configuration

- TNC Female Reverse Polarity Connector 1
- SMA Male Reverse Polarity Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

Features

- Gold Plated Brass Contact

Applications

- Enables Between Series Connections
- General Purpose Test

Description

RP TNC female to RP SMA male adapter part number FMAD10054 from Fairview Microwave is in-stock and ships same day. This Fairview reverse polarity TNC to reverse polarity SMA adapter has a female to male gender configuration. FMAD10054 reverse polarity TNC female to reverse polarity SMA male adapter operates to 11 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		11	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	1.09 in [27.76 mm]
Width	0.47 in [11.99 mm]
Height	0.47 in [11.99 mm]
Weight	0.02 lbs [9.07 g]

Description	Connector 1	Connector 2
Polarity	Reverse Polarity	Reverse Polarity
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	TNC Female Reverse Polarity		SMA Male Reverse Polarity	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel	Brass	Nickel
Body	Brass	Nickel	Zinc Alloy	Nickel
Gasket	Silicone Rubber			
Washer	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

RP TNC Female (Jack) to RP SMA Male (Plug) 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: [RP TNC Female \(Jack\) to RP SMA Male \(Plug\) Adapter, Commercial Grade FMAD10054](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/rp-tnc-female-to-rp-sma-male-adapter-mil-std.-202-meth-od-106-test-condition-b-fmad10054.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.

FMAD10054 CAD Drawing

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