

RA TNC Male (Plug) to BNC Female (Jack) Adapter, Nickel Plated Brass Body, High Temp, 1.25 VSWR



SM3554

Configuration

- TNC Male Connector 1
- BNC Female Connector 2
- 50 Ohms Impedance
- Right Angle Body Geometry

Features

- VSWR of 1.25:1 max up to 4 GHz
- TNC interface meets MIL-STD-348
- BNC interface meets MIL-STD-348
- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact
- 50 Ohm impedance with 4 GHz frequency capability

Applications

- Enables Between Series Connections
- General Purpose Test
- RF test and laboratory equipment connectivity

Description

RA TNC male to BNC female adapter part number SM3554 from Fairview Microwave is in-stock and ships same day. This Fairview TNC to BNC adapter has a male to female gender configuration. SM3554 TNC male to BNC female adapter operates to 4 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.25:1 maximum. This right angle TNC to BNC adapter allows for easier connections in tight spaces. The TNC to BNC right angle adapter SM3554 from Fairview Microwave is part of a very large in-stock collection of RF interconnect components. Our threaded TNC to bayonet BNC RF adapter comes with a 50 Ohm impedance. This adapter is manufactured to precise RF component specifications and has a maximum VSWR of 1.25:1. Our RF adapter has a dielectric withstanding voltage of 1,500 Vrms. This TNC to BNC adapter is constructed with the male gender on side 1 and the female gender on side 2. The TNC male to BNC female coaxial adapter from Fairview Microwave has a right angle body style. This TNC to BNC adapter is a 90 degree right angle RF elbow adapter. Our RF adapter can be utilized to protect connectors on expensive equipment where the number of connect and disconnect cycles is high. The SM3553 adapter has a length of 1.04 inches, a width of 0.8 inches, and a weight of 0.047 lbs. Our between series right angle RF adapter operates at a maximum frequency of 4 GHz.

This TNC male to BNC female radio frequency adapter has a brass connector body. The Fairview Microwave SM3554 coaxial RF adapter operates at temperatures ranging from -65 to 165 degrees C. Additional dimensions and specifications for this adapter are available on our downloadable PDF datasheet. Fairview Microwave's TNC male to BNC female right angle adapter is part of over one million RF, microwave and millimeter wave components in stock for worldwide shipment. We also stock and custom-build TNC to BNC coaxial cables that ship quickly from our facility for all your RF adapter component needs. Make your online purchase right now to take advantage of our same-business-day shipping. For further information on similar products, our expert technical support and trained sales team can get you the ideal 4 GHz radio frequency adapter as per your requirements.

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
VSWR			1.25:1	
Operating Voltage (AC)			500	Vrms

RA TNC Male (Plug) to BNC Female (Jack) Adapter,
Nickel Plated Brass Body, High Temp, 1.25 VSWR



SM3554

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

Size

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	TNC Male		BNC Female	
Contact	Beryllium Copper	Gold MIL-G-45204	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Nickel QQ-N-290
Body	Brass	Nickel QQ-N-290		
Coupling Nut	Brass	Nickel QQ-N-290		

Environmental Specifications

Temperature

Operating Range -65 to +165 °C

RA TNC Male (Plug) to BNC Female (Jack) Adapter, Nickel Plated Brass Body, High Temp, 1.25 VSWR

SM3554

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

Plotted and Other Data

RA TNC Male (Plug) to BNC Female (Jack) Adapter, Nickel Plated Brass Body, High Temp, 1.25 VSWR 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: [RA TNC Male \(Plug\) to BNC Female \(Jack\) Adapter, Nickel Plated Brass Body, High Temp, 1.25 VSWR SM3554](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/ra-tnc-male-to-bnc-female-adapter-sm3554>

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.

SM3554 CAD Drawing

RA TNC Male (Plug) to BNC Female (Jack) Adapter, Nickel Plated Brass Body, High Temp, 1.25 VSWR

