

# RF Adapter, TNC-RP Male to RP-SMA Male

SKU: ACC-PT-00491

MPN: AD-TNRP1SARP1

Barcode: 9337692005138

## Description

The RF Adapter RP-TNC Male to RP-SMA Male (Part Number: AD-RTN1RSA1) by Powertec is a 50  $\Omega$  coaxial adapter designed for high-quality RF connections. It features an RP-TNC Male interface and an RP-SMA Male interface, both with a straight body shape and free-hanging mounting mechanism. This adapter is compatible with RP-TNC Female and RP-SMA Female interfaces, respectively, and operates efficiently within a frequency range of 0 GHz to 6 GHz.

Constructed from Brass with a Nickel finish, the adapter's inner contacts are Gold-plated Brass for enhanced conductivity and durability. It is built to withstand extreme temperatures, operating between -55 °C and 155 °C.

Manufactured to meet ISO 9001 Quality Management standards and RoHS compliance, this adapter ensures reliable performance and adherence to environmental regulations.

Powertec, an Australian company established in 1995, specialises in wireless technology and systems integration. They are...

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## Powertec

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# RF Connector Interface

RF Interface	Body Shape	Mounting
RP-TNC Male	Straight	Free Hanging
RP-SMA Male	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	$\leq 1 \text{ m}\Omega$
RF Operating Voltage:	$\geq 500 \text{ Vrms}$	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 1 \text{ m}\Omega$

## VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.5:1$

## Physical Specification

Body Material:	Brass	Contact Material:	Brass
Body Plating:	Nickel	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-55 °C
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	155 °C
RoHS		Mating Cycles:	> 500

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