

# 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...

[Read More](#)



## Powertec

Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

# 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:	≤ 1 mΩ
RF Operating Voltage:	≥ 500 Vrms	Insulation Resistance:	≥ 5000 mΩ
		Outer Contact Resistance:	≤ 1 mΩ

### VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 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

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

