Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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 Ω 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 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
Stop Frequency
6 GHz
RF Operating Voltage
≥ 500 Vrms
Input Impedance
50 Ω
Inner Contact Resistance
≤ 1 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance
≤ 1 mΩ

VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.5:1

Physical Specification

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

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