

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.

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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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