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RF Adapter RP-TNC Male to N Female

SKU: ACC-PT-00406
MPN: AD-RTN1N2

Description

The Powertec RF Adapter, RP-TNC Male to N Female (SKU: ACC-PT-00406, Part Number: AD-RTN1N2), is designed for seamless connectivity in wireless systems. Constructed with a brass body featuring a nickel plating and phosphor bronze inner contacts with gold plating, this adapter ensures optimal durability and signal integrity. The PTFE/Teflon electrical insulator supports reliable performance across a wide temperature range from -65 °C to 165 °C.

This adapter operates efficiently within a frequency range of 0 GHz to 6 GHz and maintains an input impedance of 50 Ω, ensuring compatibility with a variety of RF applications. With a VSWR of ≤ 1.25:1, it guarantees minimal signal reflection and loss.

The design features an RP-TNC Male connector on one end and an N Female connector on the other, both with a straight body shape and free-hanging mounting style, facilitating easy integration into existing systems.

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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
N Female	Straight	Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz		

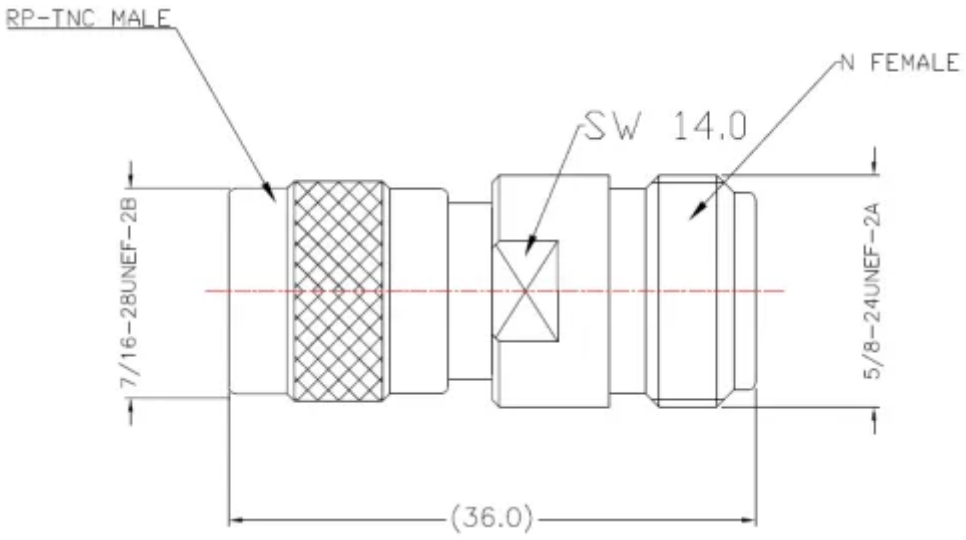
VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.25:1

Physical Specification

Body Material:	Brass	Contact Material:	Phosphor Bronze
Body Plating:	Nickel	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-65 °C
Dimensions:	36.0	Max. Operating Temperature:	165 °C

Drawing



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