

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 $\leq 1.25:1$, 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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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		

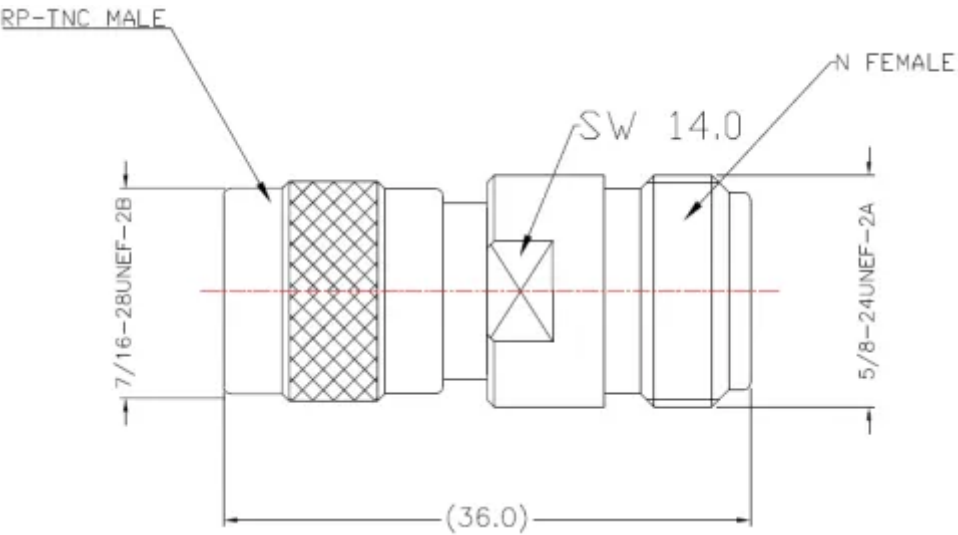
VSWR Measurement

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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