

# RF Adapter, N Male to TNC Female

SKU: ACC-PT-00099

MPN: AD-N1TN2

## Description

The RF Adapter, N Male to TNC Female (SKU: ACC-PT-00099) by Powertec is a high-performance component designed for versatile RF applications. Constructed with a robust brass body and nickel plating, it features gold-plated brass contacts and a PTFE insulator, ensuring durability and reliable performance. This adapter supports over 500 mating cycles and operates efficiently across a wide temperature range from -65 °C to 165 °C.

Engineered for a frequency range of 0 to 6 GHz, the adapter maintains an input impedance of 50 Ω and exhibits a VSWR of ≤ 1.25:1 at 6000 MHz, ensuring minimal signal reflection and optimal performance. It is compliant with rigorous MIL-STD-202 standards for thermal shock, corrosion, vibration, shock, and moisture resistance, guaranteeing reliability in demanding environments.

The adapter features one N Male connector and one TNC Female connector, both with straight body shapes and free-hanging mounting styles, making...

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RF Connector Interface



RF Interface	Body Shape	Mounting
N Male	Straight	Free Hanging
TNC Female	Straight	Free Hanging

## RF Specification



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 ...

Start Frequency:	0 GHz	Input Impedance:	50
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Stop Frequency:	6 GHz
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#### VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.25:1

## Physical Specification

Body Material:	Brass	Contact Material:	Brass
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Body Plating:	Nickel	Contact Plating:	Gold
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Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-65 °C
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Dimensions:	34.0 x 19.0	Max. Operating Temperature:	165 °C
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Mating Cycles:	> 500
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Mechanical Compliance:	MIL-STD-202: Thermal Shock
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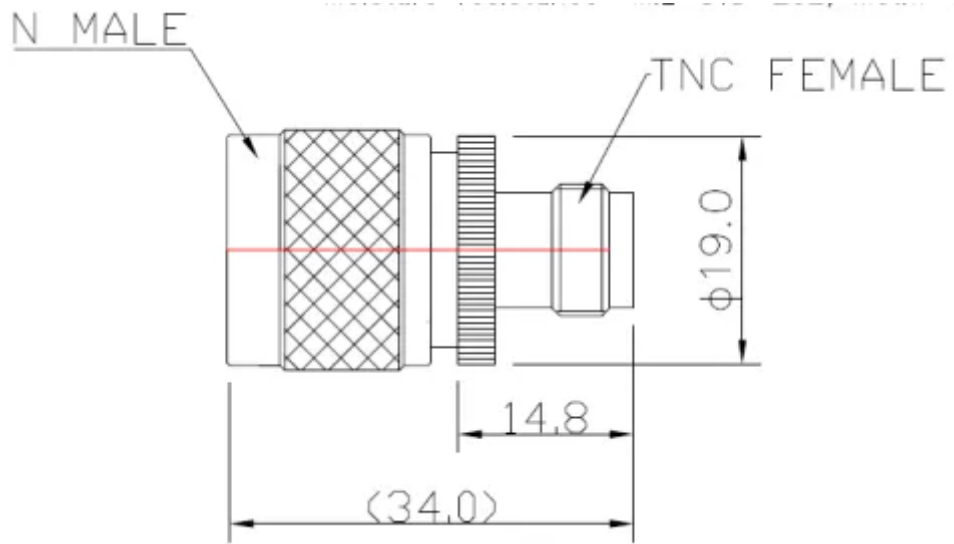
MIL-STD-202: Corrosion

MIL-STD-202: Vibration

MIL-STD-202: Shock

MIL-STD-202: Moisture Resistance

# Drawing



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