

Page



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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 $\leq 1.25:1$ 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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Powertec

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

N Male	Straight	Free Hanging
TNC Female	Straight	Free Hanging

RF Specification

Start Frequency

0 GHz

Stop Frequency

6 GHz

Input Impedance

50 Ω

VSWR Measurement

Frequency VSWR

6000 MHz $\leq 1.25:1$

Physical Specification

Body Material

[Brass](#)

Body Plating

[Nickel](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

34.0 x 19.0

Contact Material

[Brass](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-65 °C

Max. Operating Temperature

165 °C

Mating Cycles

> 500

Mechanical Compliance

[MIL-STD-202: Thermal Shock](#)

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[MIL-STD-202: Corrosion](#)

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[MIL-STD-202: Vibration](#)

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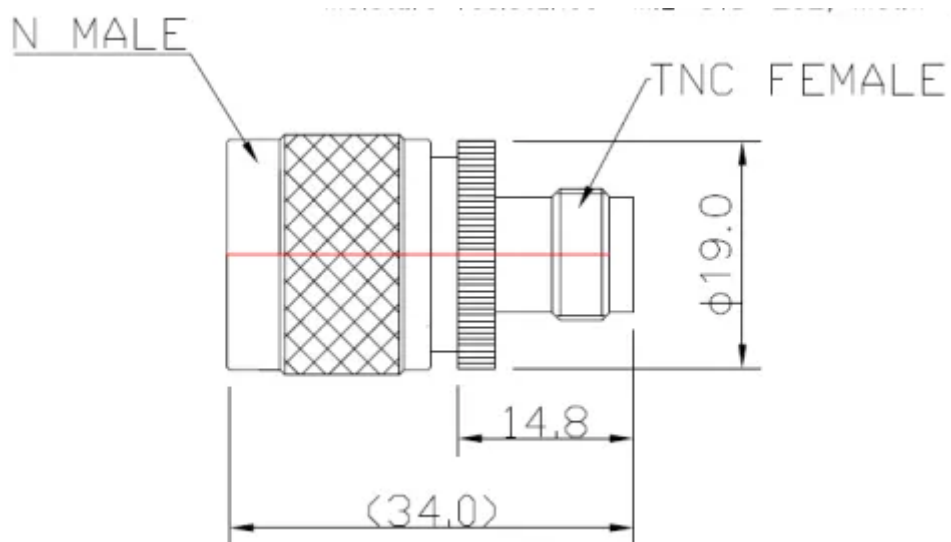
[MIL-STD-202: Shock](#)

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[MIL-STD-202: Moisture Resistance](#)

Drawing

Image



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