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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 ≤ 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 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

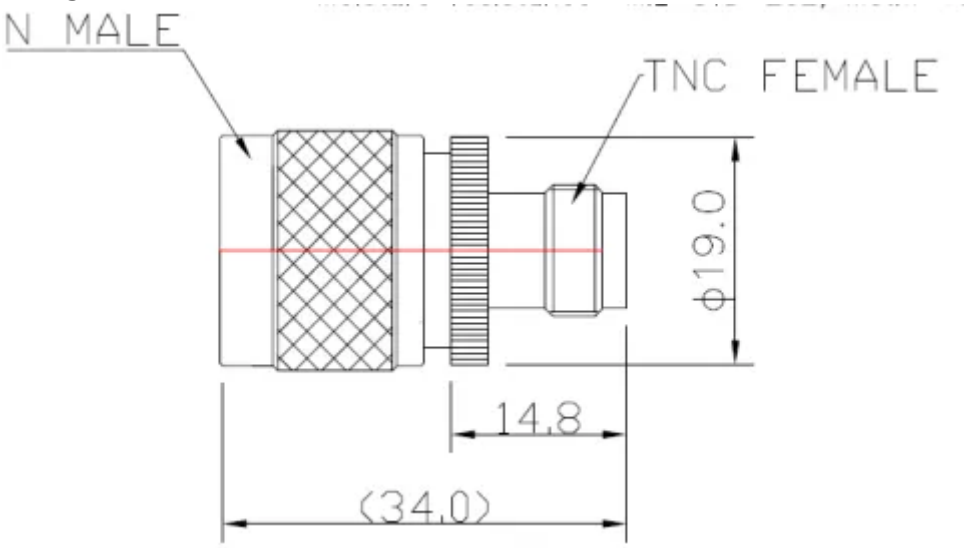
Start Frequency
0 GHz
Stop Frequency
6 GHz
Input Impedance
50 Ω
VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 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
,
MIL-STD-202: Corrosion
,
MIL-STD-202: Vibration
,
MIL-STD-202: Shock
,
MIL-STD-202: Moisture Resistance
Drawing
Image



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