Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

RF Adapter, N Female to N Female

SKU: ACC-PT-00048

MPN: AD-N2N2

Description

The Powertec RF Adapter (SKU: ACC-PT-00048, Part No: AD-N2N2) is a high-quality N Female to N Female adapter, ideal for a variety of RF applications. Constructed from durable brass with nickel plating, this adapter features inner contacts made of phosphor bronze with gold plating, ensuring superior conductivity and reliability. It uses a PTFE/Teflon insulator and is designed for over 500 mating cycles, offering exceptional durability.

Operating efficiently across a broad frequency range from 0 GHz to 6 GHz, the adapter maintains an impedance of 50 Ω and supports an RF operating voltage of ≥ 500 Vrms. It demonstrates minimal contact resistance, with inner contact at ≤ 3 mΩ and outer contact at ≤ 2 mΩ, ensuring optimal signal integrity. The adapter can withstand extreme temperatures, ranging from -65 °C to 165 °C.

Tested to meet rigorous MIL-STD-202 standards, the adapter is resilient to thermal shock, corrosion, vibration, shock, and...

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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 Female	Straight	Free Hanging
N Female	Straight	Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	≤ 3 mΩ
RF Operating Voltage:	≥ 500 Vrms	Outer Contact Resistance:	≤ 2 mΩ

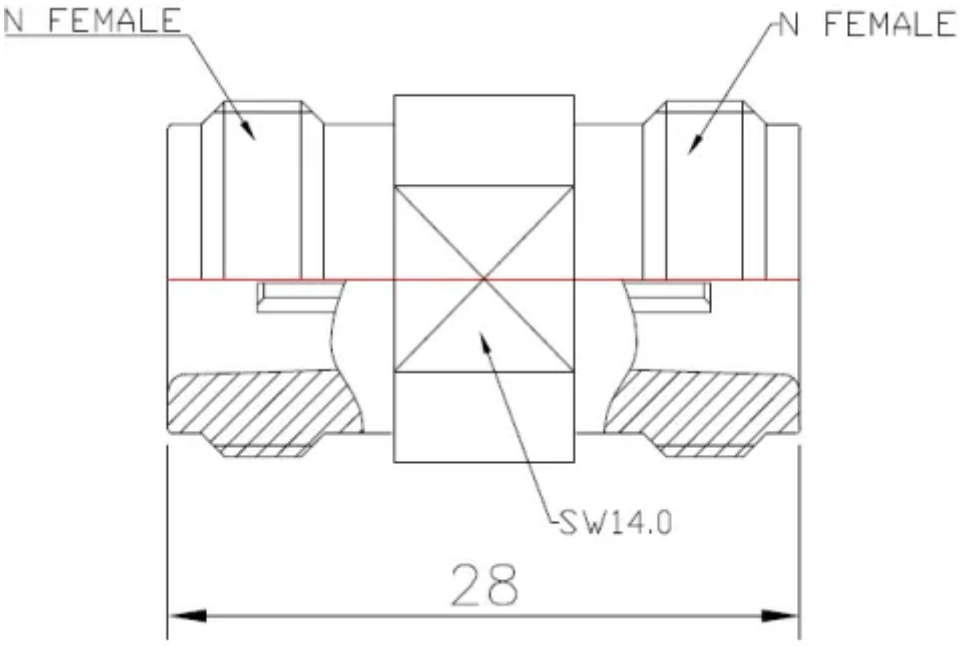
VSWR Measurement

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:	28	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



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