

# RF Adapter 4.3-10 Male to N Female

SKU: IBC-PT-00002

MPN: AD-431N2

Barcode: 9337692001567

## Description

The RF Adapter 4.3-10 Male to N Female (Part Number: AD-431N2) is a high-quality 50  $\Omega$  coaxial component from Powertec. Designed for seamless connectivity, it features a 4.3-10 Male interface with a straight body and free-hanging mounting, compatible with 4.3-10 Female interfaces. The adapter also includes an N Female interface with a straight body and free-hanging mounting, compatible with N Male interfaces.

With an operating frequency range of 0 GHz to 6 GHz, this adapter is versatile for various applications. Constructed from durable Brass with a Nickel finish, it ensures long-lasting performance. The inner contacts are made of Beryllium Copper with Phosphor Bronze plating, enhancing conductivity and reliability.

Operating efficiently in temperatures from -40 °C to 85 °C, the AD-431N2 meets ISO 9001 quality management standards and complies with RoHS directives, ensuring it is environmentally friendly and reliable.

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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
4.3-10 Male	Straight	Free Hanging
N Female	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	≤ 1 mΩ
RF Operating Voltage:	≥ 500 Vrms	Insulation Resistance:	≥ 5000 mΩ
		Outer Contact Resistance:	≤ 1 mΩ

### VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.5:1

## Physical Specification

Body Material:	Brass	Contact Material:	Beryllium Copper
Body Plating:	Nickel	Contact Plating:	Phosphor Bronze
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-40 °C
Weight:	120 g	Max. Operating Temperature:	85 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500
RoHS			

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