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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 Ω 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 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 , RoHS	Mating Cycles:	> 500

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