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RF Adapter, 4.3-10 Male to N Male, -155dBc PIM

SKU
IBC-PT-00018
MPN
AD-432N1
Barcode
9337692001727

Description

The RF Adapter 4.3-10 Male to N Male (Part Number: AD-431N1) by Powertec is a high-quality 50 Ω coaxial adapter. This adapter features a 4.3-10 Male interface and an N Male interface, both with straight body shapes and free-hanging mounting mechanisms, ensuring compatibility with 4.3-10 Female and N Female interfaces, respectively.

Operating within a frequency range of 0 GHz to 6 GHz, the adapter is constructed from Brass with a Nickel finish, with inner contacts made of Brass plated with Phosphor Bronze. It is designed to withstand temperatures from -40 °C to 85 °C. This adapter meets ISO 9001 Quality Management standards and is RoHS compliant, ensuring high quality and environmental safety. Additionally, it boasts a PIM rating of ≤ -155 dBc, highlighting its excellent performance in minimizing passive intermodulation.

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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 Male	Straight	Free Hanging

RF Specification

Start Frequency
0 GHz
Stop Frequency
6 GHz
RF Operating Voltage
≥ 500 Vrms
PIM, 3rd Order
≤ -155 dBc
Input Impedance
50 Ω
Inner Contact Resistance
≤ 1 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance
≤ 1 mΩ
VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.5:1

Physical Specification

Body Material
Brass
Body Plating
Nickel
Insulator Material
PTFE / Teflon
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS
Contact Material

Brass
Contact Plating
Phosphor Bronze
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Mating Cycles
> 500

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