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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  $\Omega$  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**

<a href="#">4.3-10 Male</a>	<a href="#">Straight</a>	<a href="#">Free Hanging</a>
<a href="#">N Female</a>	<a href="#">Straight</a>	<a href="#">Free Hanging</a>

## RF Specification

Start Frequency

0 GHz

Stop Frequency

6 GHz

RF Operating Voltage

$\geq 500$  Vrms

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 1$  m $\Omega$

Insulation Resistance

$\geq 5000$  m $\Omega$

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](#)

Weight

120 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Contact Material

[Beryllium Copper](#)

Contact Plating

[Phosphor Bronze](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

85 °C

Mating Cycles

> 500

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