

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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RF Connector Interface



| RF Interface | Body Shape | Mounting |
|--------------|------------|--------------|
| 4.3-10 Male | Straight | Free Hanging |
| N Female | Straight | Free Hanging |



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 ...

| | | | |
|-----------------------|-------------------------|---------------------------|-----------------------------|
| Start Frequency: | 0 GHz | Input Impedance: | 50 |
| Stop Frequency: | 6 GHz | Inner Contact Resistance: | $\leq 1 \text{ m}\Omega$ |
| RF Operating Voltage: | $\geq 500 \text{ Vrms}$ | Insulation Resistance: | $\geq 5000 \text{ m}\Omega$ |
| | | Outer Contact Resistance: | $\leq 1 \text{ m}\Omega$ |

VSWR Measurement

| Frequency | VSWR |
|-----------|--------------|
| 6000 MHz | $\leq 1.5:1$ |

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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