

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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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 m Ω

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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