

# 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  $\Omega$  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  $\leq -155$  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	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	≤ 1 mΩ
RF Operating Voltage:	≥ 500 Vrms	Insulation Resistance:	≥ 5000 mΩ
PIM, 3rd Order:	≤ -155 dBc	Outer Contact Resistance:	≤ 1 mΩ

### VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.5:1

## Physical Specification

Body Material:	Brass	Contact Material:	Brass
Body Plating:	Nickel	Contact Plating:	Phosphor Bronze
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-40 °C
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	85 °C
RoHS		Mating Cycles:	> 500

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