

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.

Powertec, an Australian company established in 1995, is renowned for its expertise in wireless technology and network...

[Read More](#)

RF Connector Interface

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

RF Specification



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:	$\geq 5000 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -155 \text{ dBc}$	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:	Brass
Body Plating:	Nickel	Contact Plating:	Phosphor Bronze
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	$-40 \text{ }^\circ\text{C}$
Compliance/Certifications:	ISO 9001 Quality Management	Max. Operating Temperature:	$85 \text{ }^\circ\text{C}$
RoHS	'	Mating Cycles:	> 500

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

