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## RF Adapter, N Male to SMA Female

SKU ACC-PT-00054 MPN AD-N1SA2 Barcode 9337692001475

### **Description**

The RF Adapter N Male to SMA Female (Part Number: AD-N1SA2) by Powertec is a high-quality 50  $\Omega$  coaxial adapter designed for reliable connectivity. It features an N Male interface and an SMA Female interface, both with straight bodies and free-hanging mounting mechanisms, ensuring compatibility with N Female and SMA Male connectors, respectively.

This adapter supports an operating frequency range from 0 GHz to 6 GHz, making it versatile for various applications. Constructed from brass with a gold finish, it ensures durability and optimal conductivity. The inner contacts are also brass with gold plating, enhancing signal integrity. It performs efficiently in temperatures ranging from -55 °C to 155 °C and complies with ISO 9001 Quality Management and RoHS standards, ensuring high manufacturing quality and environmental safety.

Ideal for applications in wireless technology and network enhancement, this adapter is a reliable component for...

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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

N Male Straight Free Hanging
SMA Female Straight Free Hanging

## **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** 

 $\leq 1 \text{ m}\Omega$ 

**VSWR** Measurement

#### Frequency VSWR

6000 MHz ≤ 1.5:1

## **Physical Specification**

**Body Material** 

**Brass** 

**Body Plating** 

Gold

**Insulator Material** 

PTFE / Teflon

**Dimensions** 

32.7 x 19.8 mm (L x Dia)

Compliance/Certifications

ISO 9001 Quality Management

,

RoHS

**Contact Material** 

**Brass** 

**Contact Plating** 

Gold

Min. Operating Temperature

-55 °C

Max. Operating Temperature

155 °C

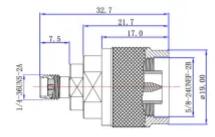
**Mating Cycles** 

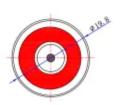
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Drawing

**Image** 







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