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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

<a href="#">N Male</a>	<a href="#">Straight</a>	<a href="#">Free Hanging</a>
<a href="#">SMA Female</a>	<a href="#">Straight</a>	<a href="#">Free Hanging</a>

## 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  $\leq 1.5:1$

## 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

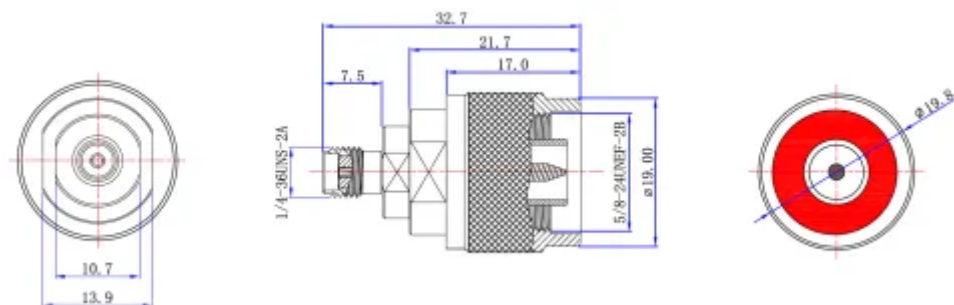
155 °C

Mating Cycles

> 500

Drawing

Image



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