

# RF Adapter, N Female to SMA Male

SKU: ACC-PT-00036  
 MPN: AD-N2SA1  
 Barcode: 9337692001468

## Description

The RF Adapter N Female to SMA Male (Part Number: AD-N2SA1) by Powertec is a high-quality, 50 Ω coaxial adapter designed for seamless connectivity between N Male and SMA Female interfaces. This adapter supports a frequency range of 0 GHz to 6 GHz, ensuring broad compatibility for various RF applications. It features a straight body shape with a free-hanging mounting mechanism, facilitating straightforward integration into your setup.

Constructed from brass with a gold and nickel finish, the adapter guarantees durability and excellent performance. The inner contacts are made of brass, plated with gold for enhanced conductivity. It operates efficiently within a temperature range of -55 °C to 155 °C, making it suitable for diverse environmental conditions.

Manufactured to meet ISO 9001 quality standards and RoHS compliance, this adapter exemplifies reliability and adherence to international quality benchmarks. Powertec, a leading wireless...

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RF Connector Interface



RF Interface	Body Shape	Mounting
N Female	Straight	Free Hanging
SMA Male	Straight	Free Hanging



## RF Specification

**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 ...

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:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 1 \text{ m}\Omega$

VSWR Measurement

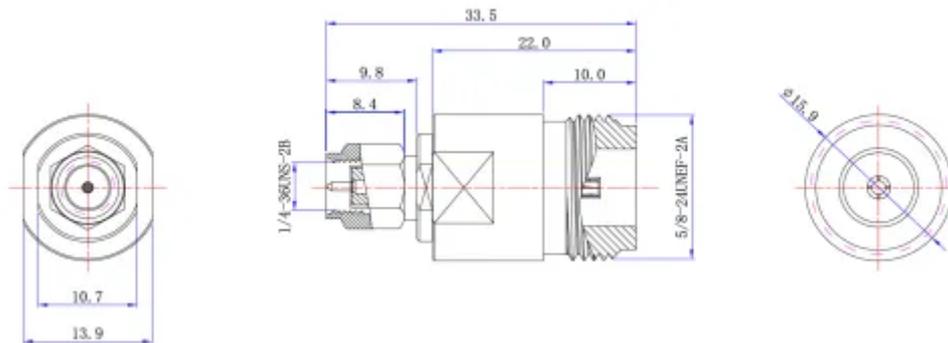
Frequency	VSWR
6000 MHz	$\leq 1.5:1$

# Physical Specification

Body Material:	Brass	Contact Material:	Brass
Body Plating:	Gold, Nickel	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-55 °C
Dimensions:	33.5 x 15.9 mm (L x Dia)	Max. Operating Temperature:	155 °C
Weight:	45 g	Mating Cycles:	> 500
Compliance/Certifications:	ISO 9001 Quality Management		

RoHS

## Drawing



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