

# 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 Ω 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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RF Connector Interface



RF Interface	Body Shape	Mounting
N Male	Straight	Free Hanging
SMA Female	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:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 1 \text{ m}\Omega$

#### VSWR Measurement

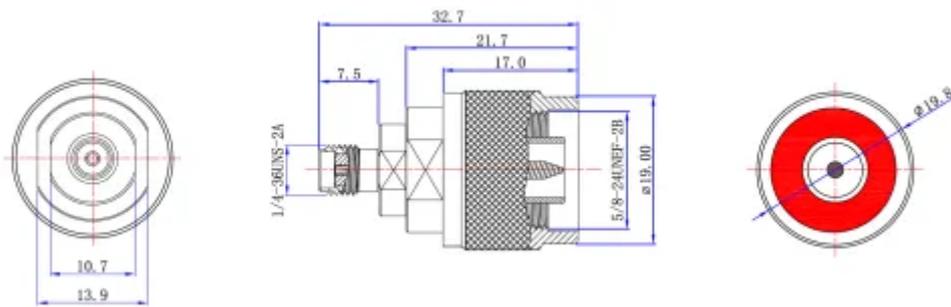
Frequency	VSWR
6000 MHz	$\leq 1.5:1$

## Physical Specification

Body Material:	Brass	Contact Material:	Brass
Body Plating:	Gold	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	$-55 \text{ }^\circ\text{C}$
Dimensions:	32.7 x 19.8 mm (L x Dia)	Max. Operating Temperature:	$155 \text{ }^\circ\text{C}$
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500

RoHS

## Drawing



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