

# RF Adapter, N Male to SMA Male

SKU: ACC-PT-00057

MPN: AD-N1SA1

Barcode: 9337692002946

## Description

The RF Adapter N Male to SMA Male (Part Number: AD-N1SA1) from Powertec is a high-quality 50  $\Omega$  coaxial adapter designed for reliable connectivity. Featuring a straight N Male interface compatible with N Female connectors and a straight SMA Male interface compatible with SMA Female connectors, this adapter supports operating frequencies from 0 GHz to 6 GHz.

Constructed from brass with a gold finish, the adapter's inner contacts are also brass with gold plating, ensuring durability and excellent conductivity. It performs effectively within a temperature range of -55  $^{\circ}\text{C}$  to 1555  $^{\circ}\text{C}$ . Compliant with ISO 9001 Quality Management and RoHS standards, this adapter guarantees high-quality performance and safety.

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# RF Connector Interface

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

## RF Specification

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

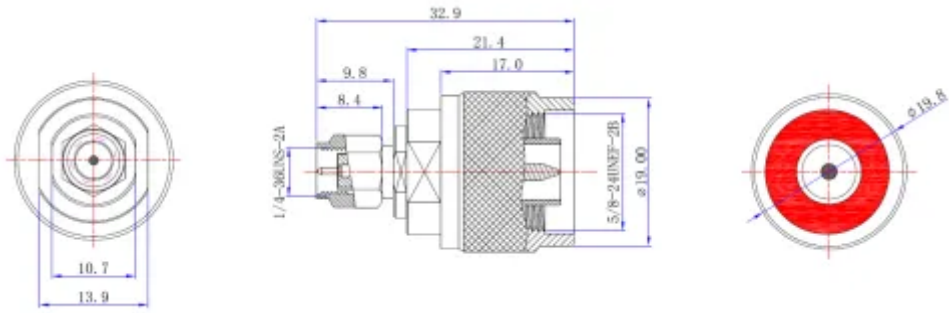
## VSWR Measurement

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 °C
Dimensions:	32.9 x 19.8 mm (L x Dia)	Max. Operating Temperature:	155 °C
Weight:	43 g	Mating Cycles:	> 500
Compliance/Certifications:	ISO 9001 Quality Management		
RoHS			

# Drawing



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