

# RF Adapter, N Female to SMA Female

SKU: ACC-PT-00318

MPN: AD-N2SA2

Barcode: 9337692002939

## Description

The RF Adapter N Female to SMA Female (Part Number: AD-N2SA2) from Powertec is a 50 Ω coaxial adapter designed for versatile RF applications. It features a N Female interface and a SMA Female interface, both with straight body shapes and free-hanging mounting mechanisms, compatible with N Male and SMA Male interfaces respectively.

This adapter operates within a frequency range of 0 GHz to 6 GHz, making it suitable for various high-frequency applications. Constructed from brass with a nickel finish, it ensures durability and reliable performance. The inner contacts are crafted from brass with gold plating, providing excellent conductivity and corrosion resistance.

It functions efficiently in temperature conditions ranging from -55 °C to 155 °C. The adapter complies with ISO 9001 Quality Management standards and RoHS regulations, ensuring high quality and environmental safety.

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# RF Connector Interface

RF Interface	Body Shape	Mounting
N Female	Straight	Free Hanging
SMA Female	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:	$\leq 1 \text{ m}\Omega$

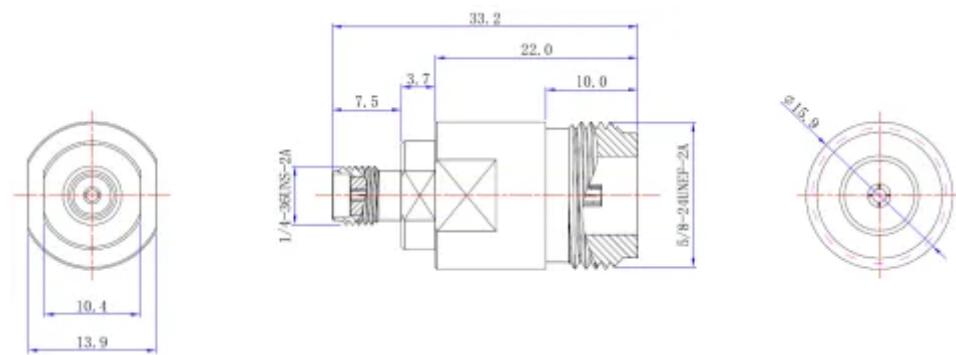
## VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.5:1$

## Physical Specification

Body Material:	Brass	Contact Material:	Brass
Body Plating:	Gold, Nickel	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-55 °C
Dimensions:	33.2 x 15.9 mm (L x Dia)	Max. Operating Temperature:	155 °C
Weight:	40 g	Mating Cycles:	> 500
Compliance/Certifications:	ISO 9001 Quality Management		
RoHS	'		

# Drawing



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