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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.

Powertec, established in 1995 and based in Australia, is a leader...

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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
N Female	Straight	Free Hanging
SMA Female	Straight	Free Hanging

RF Specification

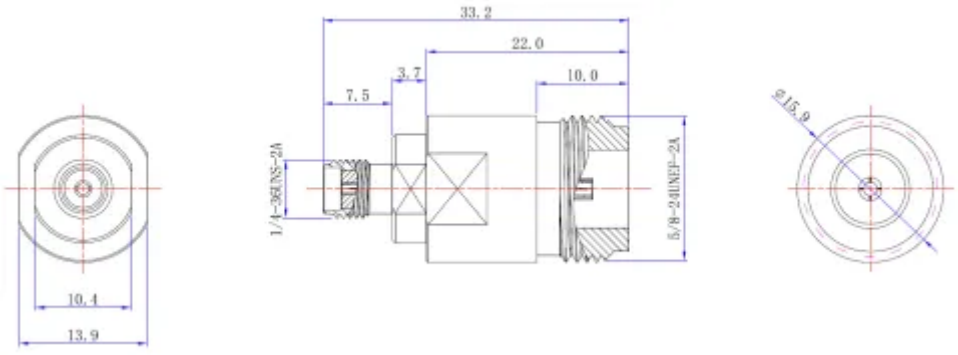
Start Frequency
0 GHz
Stop Frequency
6 GHz
RF Operating Voltage
≥ 500 Vrms
Input Impedance
50 Ω
Inner Contact Resistance
≤ 1 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance
≤ 1 mΩ

VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.5:1

Physical Specification

Body Material
Brass
Body Plating
Gold, Nickel
Insulator Material
PTFE / Teflon
Dimensions
33.2 x 15.9 mm (L x Dia)
Weight
40 g
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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