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# 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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**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 Male | Straight | Free Hanging |
| SMA Female | Straight | Free Hanging |

# RF Specification

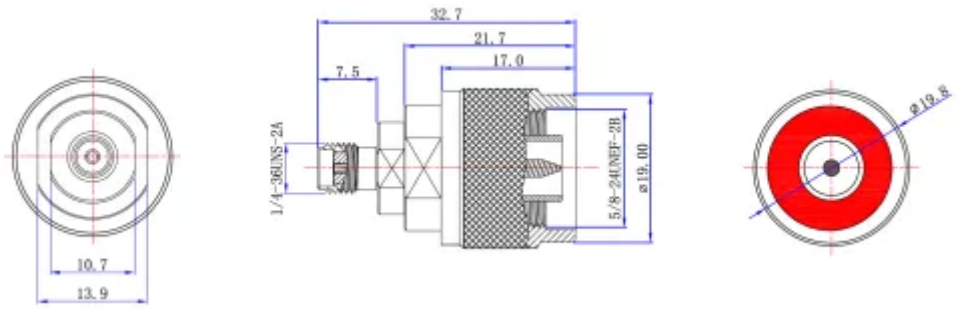
Start Frequency
0 GHz
Stop Frequency
6 GHz
RF Operating Voltage
≥ 500 Vrms
Input Impedance
50 Ω
Inner Contact Resistance
≤ 1 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance
≤ 1 mΩ

VSWR Measurement

| Frequency | VSWR |
| --- | --- |
| 6000 MHz | ≤ 1.5:1 |

# Physical Specification

Body Material
Brass
Body Plating
Gold
Insulator Material
PTFE / Teflon
Dimensions
32.7 x 19.8 mm (L x Dia)
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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