

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

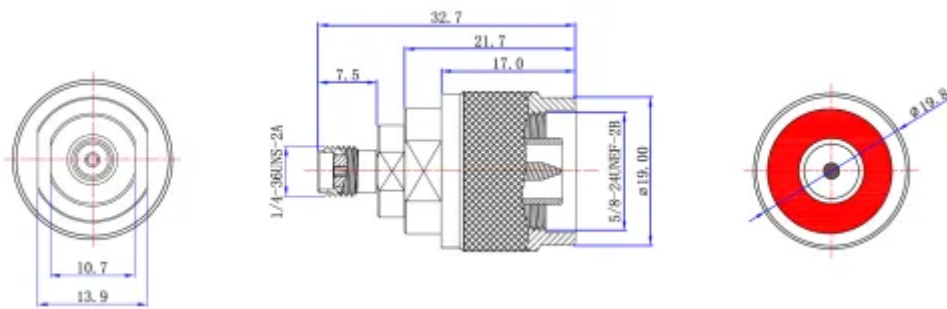
| Frequency | VSWR |
|-----------|--------------|
| 6000 MHz | $\leq 1.5:1$ |

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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