

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 Ω 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 °C to 155 °C. Compliant with ISO 9001 Quality Management and RoHS standards, this adapter guarantees high-quality performance and safety.

Powertec, based in Australia, has been a leading wireless technology manufacturer and systems integrator since 1995. They specialise in cellular network enhancement, wireless network development, and renewable energy systems, providing...

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RF Connector Interface



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



RF Specification

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 ...

| | | | |
|-----------------------|-------------------------|---------------------------|-----------------------------|
| 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

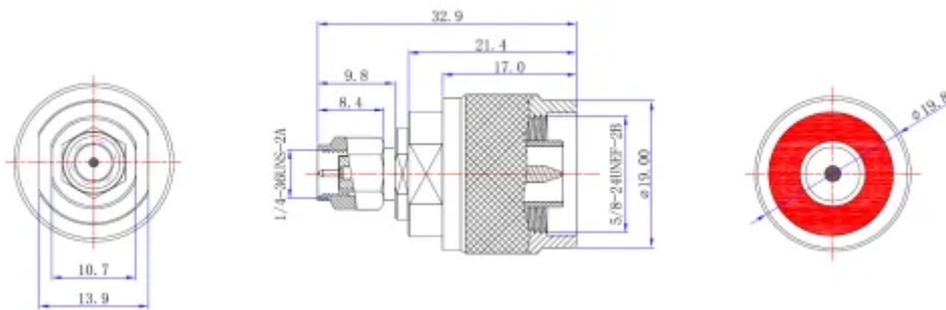
| Frequency | VSWR |
|-----------|--------------|
| 6000 MHz | $\leq 1.5:1$ |

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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