

# 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

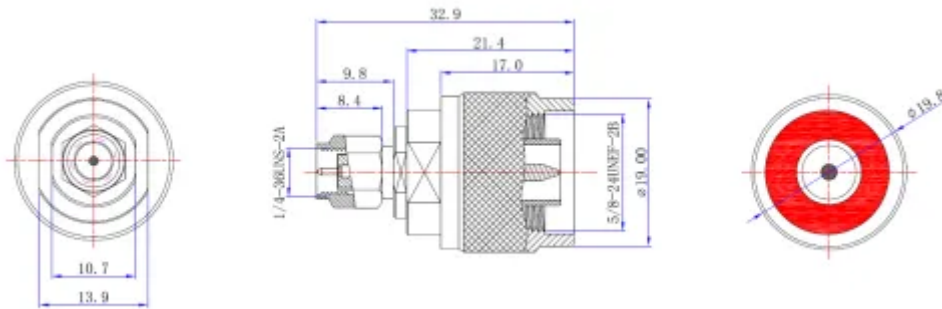
| Frequency | VSWR         |
|-----------|--------------|
| 6000 MHz  | $\leq 1.5:1$ |

## 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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