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# RF Adapter RP-SMA Female to SMA Male

SKU: ACC-PT-00333
MPN: AD-RPSA2SA1
Barcode: 9337692003622

## Description

The RF Adapter RP-SMA Female to SMA Male (Part Number: AD-RSA2SA1) by Powertec is a high-quality 50 Ω coaxial RF adapter. It features a RP-SMA Female connector with a straight, free-hanging body, compatible with RP-SMA Male interfaces, and a SMA Male connector with a straight, free-hanging body, compatible with SMA Female interfaces. The adapter supports an operating frequency range from 0 GHz to 6 GHz.

Constructed from Brass with a Gold finish, the adapter ensures robust performance and longevity. The inner contacts are also Brass with Gold plating, providing excellent conductivity and signal integrity. It operates within a temperature range of -55 °C to 155 °C, making it suitable for a wide range of environments.

This adapter meets ISO 9001 Quality Management and RoHS compliance standards, ensuring reliable quality and adherence to safety regulations. Powertec, an established Australian manufacturer since 1995, specialises in wireless...

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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 |
|---|---|---|
| RP-SMA Female | Straight | Free Hanging |
| SMA Male | Straight | Free Hanging |

# RF Specification

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

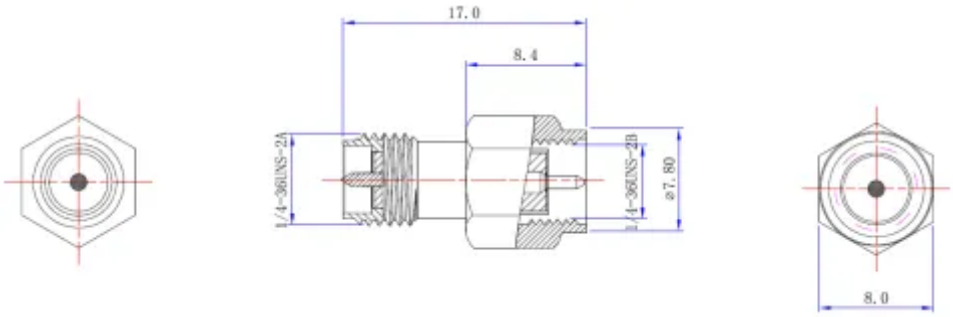
## VSWR Measurement

| Frequency | VSWR |
|---|---|
| 6000 MHz | ≤ 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: | 17 x 8 mm (L x Dia) | Max. Operating Temperature: | 155 °C |
| Weight: | 5 g | Mating Cycles: | > 500 |
| Compliance/Certifications: | ISO 9001 Quality Management<br>,<br>RoHS | | |

## Drawing



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