

RF Adapter, SMA Male to SMA Male

SKU: ACC-PT-00087

MPN: AD-SA1SA1

Barcode: 9337692002977

Description

The RF Adapter SMA Male to SMA Male (Part Number: AD-SA1SA1) is a high-quality 50 Ω coaxial adapter from Powertec, an Australian wireless technology manufacturer. Designed for seamless connectivity, this adapter features two SMA Male interfaces with straight bodies and free-hanging mounting, compatible with SMA Female connectors. It operates within a frequency range of 0 GHz to 6 GHz, ensuring reliable performance for various RF applications.

Constructed from Brass with a Gold finish and Beryllium Copper inner contacts with Gold plating, this adapter guarantees excellent durability and conductivity. It functions effectively in a broad temperature range, from -65 °C to 165 °C, making it suitable for demanding environments.

Compliance with ISO 9001 Quality Management and RoHS standards ensures that the AD-SA1SA1 meets stringent quality and environmental guidelines. Ideal for enhancing cellular networks and developing wireless systems, this...

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RF Connector Interface

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

RF Specification

| | | | |
|-----------------------|-------------------------|---------------------------|-----------------------------|
| 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: | $\leq 1 \text{ m}\Omega$ |

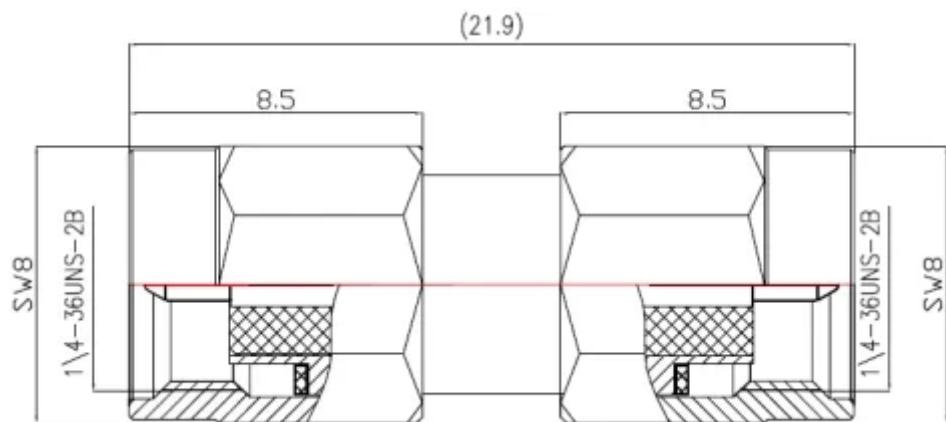
VSWR Measurement

| Frequency | VSWR |
|-----------|--------------|
| 6000 MHz | $\leq 1.2:1$ |

Physical Specification

| | | | |
|----------------------------|-----------------------------|-----------------------------|------------------|
| Body Material: | Brass | Contact Material: | Beryllium Copper |
| Body Plating: | Gold | Contact Plating: | Gold |
| Insulator Material: | PTFE / Teflon | Min. Operating Temperature: | -65 °C |
| Dimensions: | 21.9 x 8 mm (L x Dia) | Max. Operating Temperature: | 165 °C |
| Compliance/Certifications: | ISO 9001 Quality Management | Mating Cycles: | > 500 |
| RoHS | | | |

Drawing



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