

RF Adapter, RP-SMA Male to SMA Male

SKU: ACC-PT-00311

MPN: AD-RSA1SA1

Barcode: 9337692003578

Description

The RF Adapter RP-SMA Male to SMA Male (Part Number: AD-RSA1SA1) by Powertec is a high-quality 50 Ω coaxial RF adapter. It features an RP-SMA Male to SMA Male connection, both with a straight body shape and free-hanging mounting mechanism. It is compatible with RP-SMA Female and SMA Female interfaces, respectively. The adapter operates within a frequency range of 0 GHz to 6 GHz, making it versatile for most common RF applications.

Constructed from Brass with a Gold finish, and featuring Phosphor-Bronze inner contacts with Gold plating, it ensures durability and reliable signal transmission. This adapter functions effectively in extreme temperatures ranging from -65 °C to 165 °C.

Manufactured to ISO 9001 Quality Management standards and RoHS compliant, this adapter assures high quality and environmental safety.

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RF Connector Interface

| RF Interface | Body Shape | Mounting |
|--------------|------------|--------------|
| RP-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: | ≤ 1 mΩ |
| RF Operating Voltage: | ≥ 500 Vrms | Insulation Resistance: | ≥ 5000 mΩ |
| | | Outer Contact Resistance: | ≤ 1 mΩ |

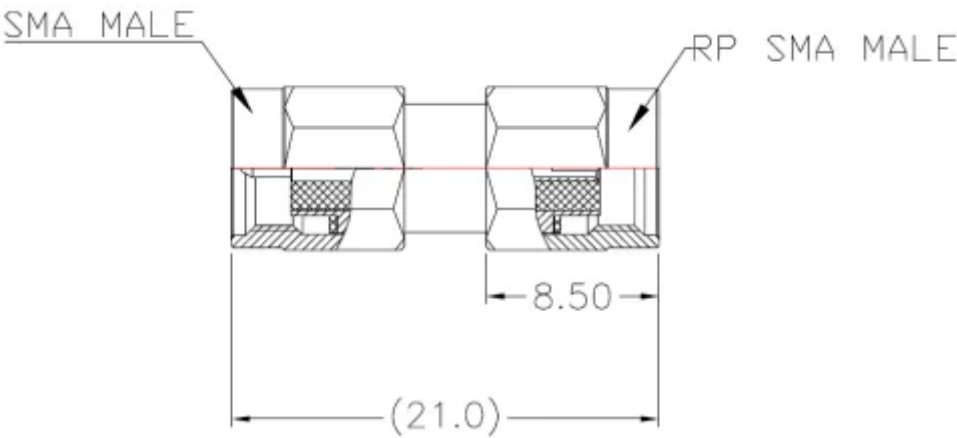
VSWR Measurement

| Frequency | VSWR |
|-----------|----------|
| 6000 MHz | ≤ 1.25:1 |

Physical Specification

| | | | |
|----------------------------|-----------------------------|-----------------------------|-----------------|
| Body Material: | Brass | Contact Material: | Phosphor Bronze |
| Body Plating: | Gold | Contact Plating: | Gold |
| Insulator Material: | PTFE / Teflon | Min. Operating Temperature: | -65 °C |
| Dimensions: | 21 x 8 mm (L x dia) | Max. Operating Temperature: | 165 °C |
| Weight: | 6.9 g | Mating Cycles: | > 500 |
| Compliance/Certifications: | ISO 9001 Quality Management | | |
| RoHS | | | |

Drawing



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