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## **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  $\Omega$  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.

Powertec, based in Australia, has been a leading wireless technology manufacturer and systems integrator since 1995, providing...

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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 Male](#) [Straight](#) [Free Hanging](#)

[SMA Male](#) [Straight](#) [Free Hanging](#)

## RF Specification

Start Frequency

0 GHz

Stop Frequency

6 GHz

RF Operating Voltage

$\geq 500$  Vrms

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 1$  m $\Omega$

Insulation Resistance

$\geq 5000$  m $\Omega$

Outer Contact Resistance

$\leq 1 \text{ m}\Omega$

VSWR Measurement

**Frequency VSWR**

6000 MHz  $\leq 1.25:1$

## Physical Specification

Body Material

[Brass](#)

Body Plating

[Gold](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

21 x 8 mm (L x dia)

Weight

6.9 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Contact Material

[Phosphor Bronze](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-65 °C

Max. Operating Temperature

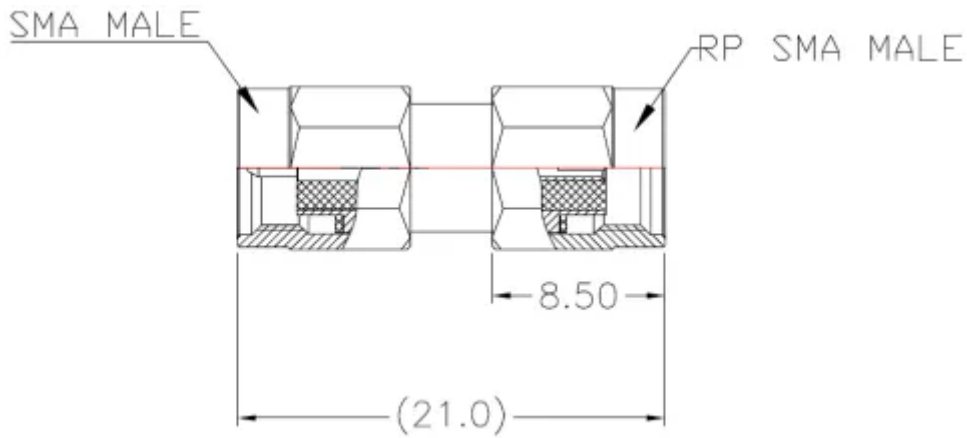
165 °C

Mating Cycles

> 500

Drawing

Image



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