Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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.

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

Read More



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

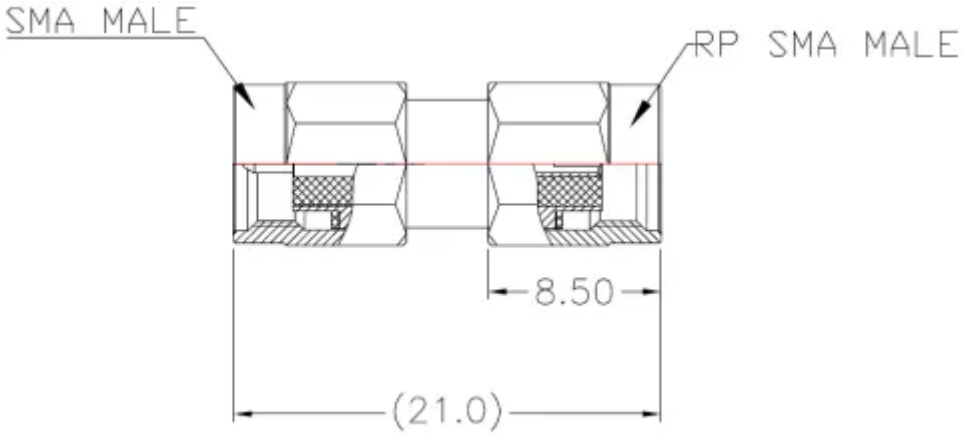
Start Frequency
0 GHz
Stop Frequency
6 GHz
RF Operating Voltage
≥ 500 Vrms
Input Impedance
50 Ω
Inner Contact Resistance
≤ 1 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance
≤ 1 mΩ

VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 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



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

