

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...

[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 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:	$\leq 1 \text{ m}\Omega$
RF Operating Voltage:	$\geq 500 \text{ Vrms}$	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 1 \text{ m}\Omega$

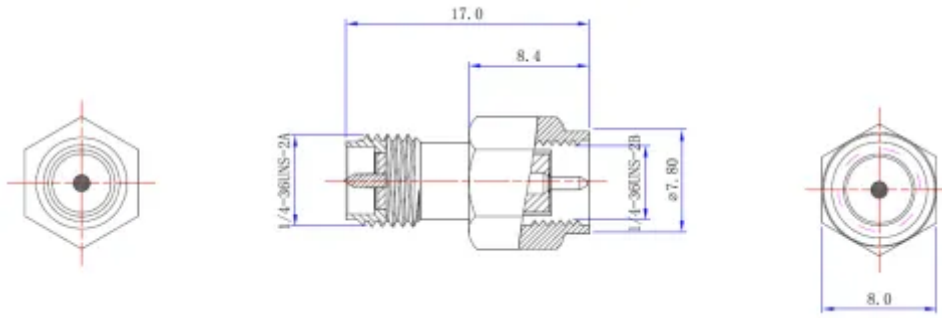
VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.5:1$

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		
RoHS			

Drawing



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.

