

# 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...

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RF Connector Interface



RF Interface	Body Shape	Mounting
RP-SMA Female	Straight	Free Hanging
SMA Male	Straight	Free Hanging

## RF Specification



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 ...

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

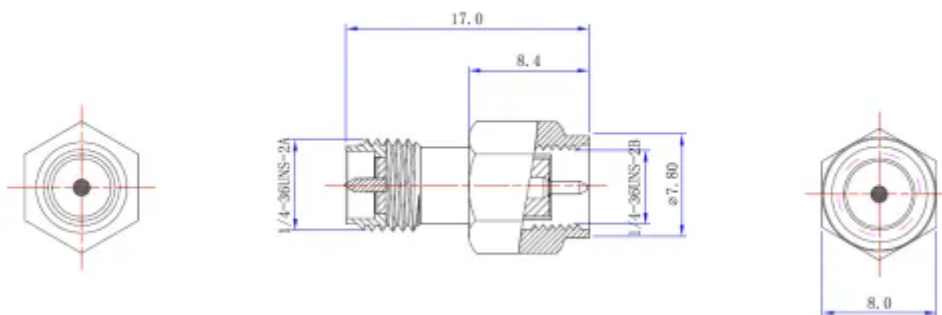
Frequency	VSWR
6000 MHz	$\leq 1.5:1$

## 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



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