

RF Adapter RP-SMA Male to SMA Female

SKU: ACC-PT-00321

MPN: AD-RSA2SA1

Barcode: 9337692003585

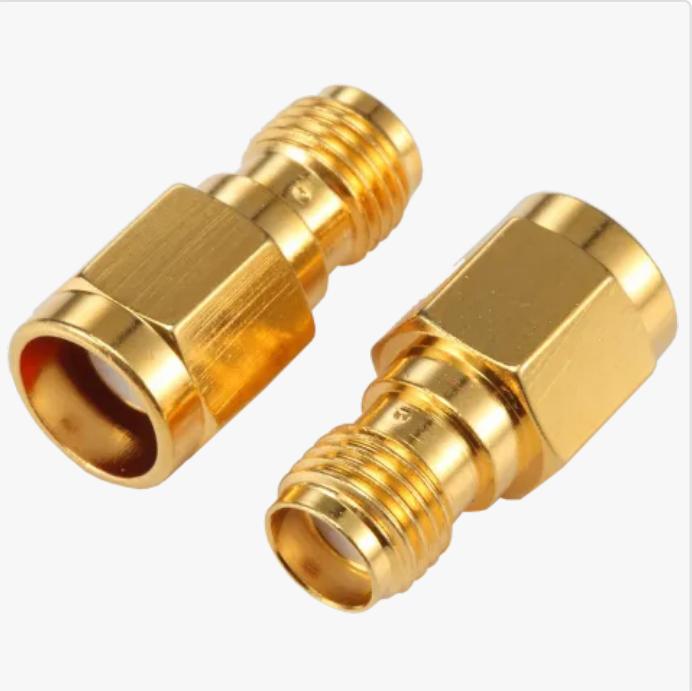
Description

The RF Adapter RP-SMA Male to SMA Female (AD-RSA1SA2) by Powertec is a high-quality 50 Ω coaxial adapter. It features an RP-SMA Male connection compatible with RP-SMA Female interfaces and an SMA Female connection compatible with SMA Male interfaces. Both connections have a straight body shape and are designed for free-hanging mounting.

This adapter operates within a frequency range of 0 GHz to 6 GHz and is constructed from brass with a gold finish. The inner contacts are made of phosphor-bronze, also gold-plated for enhanced conductivity. It functions reliably in extreme temperatures, from -65 °C to 165 °C, and complies with ISO 9001 Quality Management and RoHS standards.

Ideal for use in wireless technology applications, this adapter is manufactured by Powertec, a reputable Australian company established in 1995, known for its expertise in cellular network enhancement and wireless network development. Powertec supports over 1500...

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RF Connector Interface

RF Interface	Body Shape	Mounting
RP-SMA Male	Straight	Free Hanging
SMA Female	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:	$\leq 1 \text{ m}\Omega$

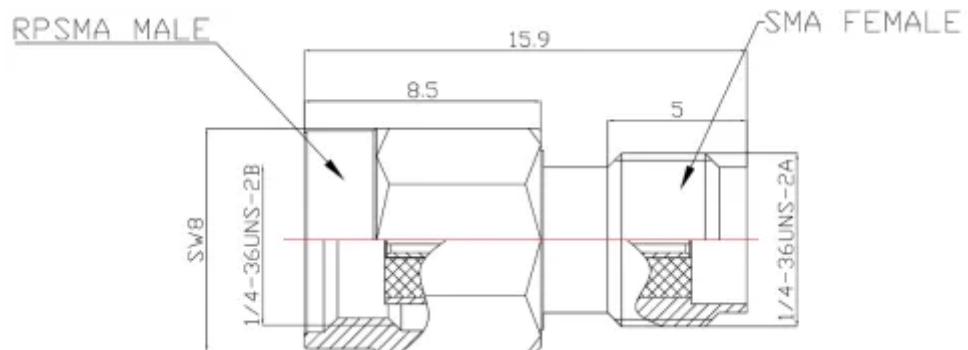
VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.25:1$

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:	15.9 x 8	Max. Operating Temperature:	165 °C
Weight:	5 g	Mating Cycles:	> 500
Compliance/Certifications:	ISO 9001 Quality Management		
RoHS	'		

Drawing



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