

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.

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

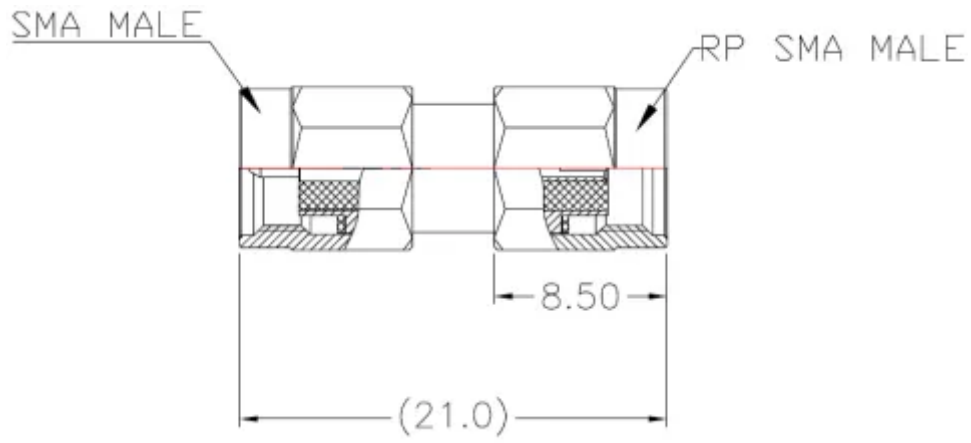
VSWR Measurement

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:	21 x 8 mm (L x dia)	Max. Operating Temperature:	165 °C
Weight:	6.9 g	Mating Cycles:	> 500
Compliance/Certifications:	ISO 9001 Quality Management		
RoHS			

Drawing



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