

RF Adapter, SMA Male to SMA Male

SKU: ACC-PT-00087

MPN: AD-SA1SA1

Barcode: 9337692002977

Description

The RF Adapter SMA Male to SMA Male (Part Number: AD-SA1SA1) is a high-quality 50 Ω coaxial adapter from Powertec, an Australian wireless technology manufacturer. Designed for seamless connectivity, this adapter features two SMA Male interfaces with straight bodies and free-hanging mounting, compatible with SMA Female connectors. It operates within a frequency range of 0 GHz to 6 GHz, ensuring reliable performance for various RF applications.

Constructed from Brass with a Gold finish and Beryllium Copper inner contacts with Gold plating, this adapter guarantees excellent durability and conductivity. It functions effectively in a broad temperature range, from -65 °C to 165 °C, making it suitable for demanding environments.

Compliance with ISO 9001 Quality Management and RoHS standards ensures that the AD-SA1SA1 meets stringent quality and environmental guidelines. Ideal for enhancing cellular networks and developing wireless systems, this...

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

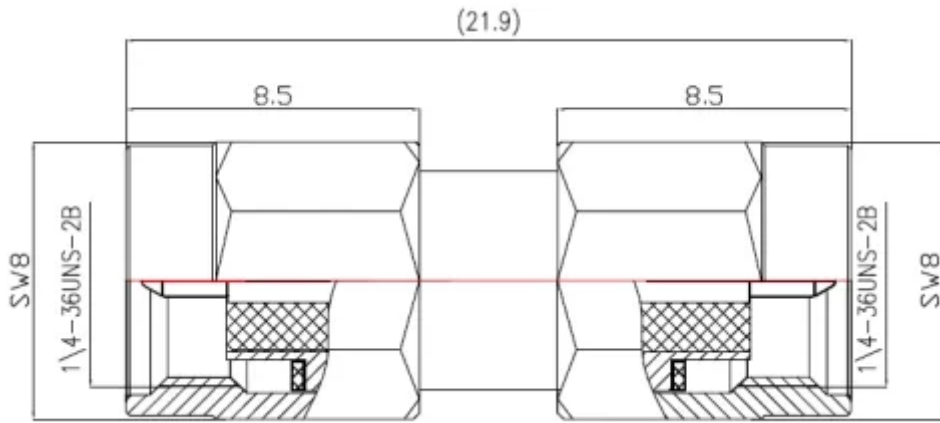
VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.2:1$

Physical Specification

Body Material:	Brass	Contact Material:	Beryllium Copper
Body Plating:	Gold	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-65 °C
Dimensions:	21.9 x 8 mm (L x Dia)	Max. Operating Temperature:	165 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500
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.

