

# RF Adapter SMA Female to SMA Male Right Angle

SKU: ACC-PT-00190  
 MPN: AD-SA2SA1-RA  
 Barcode: 9337692003523

## Description

The RF Adapter SMA Female to SMA Male Right Angle (AD-SA2SA1-RA) by Powertec is a 50 Ω coaxial adapter designed for high-frequency applications. It features right-angle SMA Female and SMA Male interfaces, both with a free-hanging mounting mechanism, ensuring compatibility and ease of installation.

This adapter supports an operating frequency range from 0 GHz to 6 GHz. Constructed from brass with a gold finish, it ensures durability and reliable signal transmission. The inner contacts are made of phosphor bronze with gold plating, providing excellent conductivity and resistance to corrosion.

It operates efficiently in extreme temperatures ranging from -65 °C to 165 °C. The adapter adheres to ISO 9001 Quality Management standards and is RoHS compliant, emphasising its quality and environmental responsibility.


Ideal for use in wireless communication systems and cellular network enhancement, this adapter meets the high standards expected in...

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RF Connector Interface



RF Interface	Body Shape	Mounting
SMA Female	Right Angle	Free Hanging
SMA Male	Right Angle	Free Hanging



**Powertec**

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

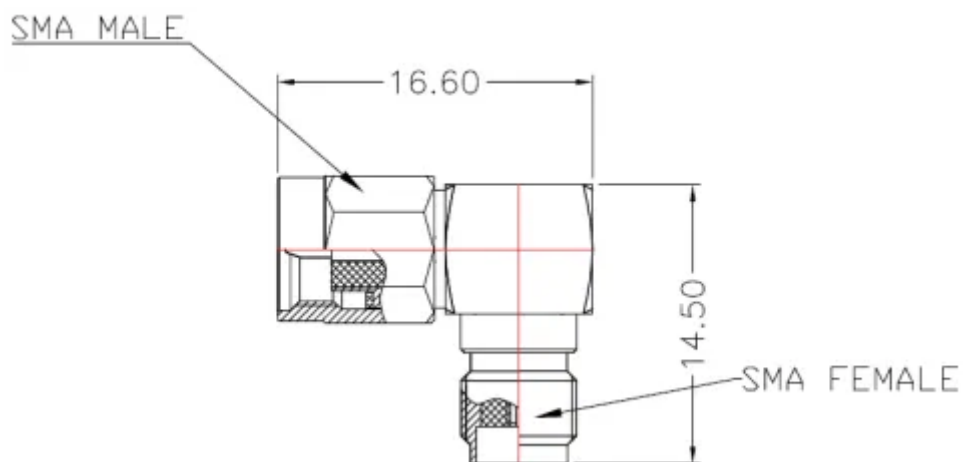
Frequency	VSWR
6000 MHz	$\leq 1.5:1$

## Physical Specification

Body Material:	Brass	Contact Material:	Phosphor Bronze
Body Plating:	Gold	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-65 °C
Dimensions:	16.6 x 14.5 x 8 mm	Max. Operating Temperature:	165 °C
Weight:	8.4 g	Mating Cycles:	> 500
Compliance/Certifications:	ISO 9001 Quality Management		

RoHS

### Drawing



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