

# RF Adapter SMA Female to RP-SMA Male, Right Angle

SKU: ACC-BH-00071  
 MPN: AD-SA2RSA1-RA  
 Barcode: 9337692004759

## Description

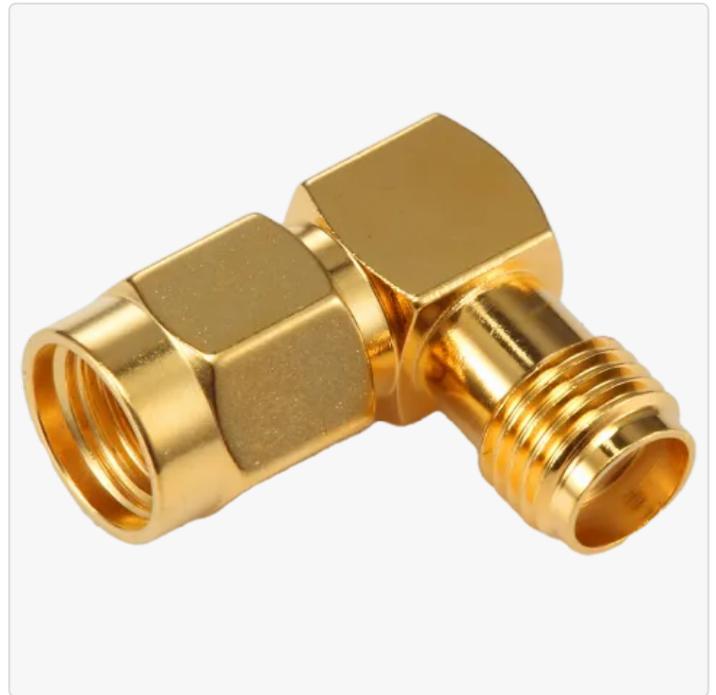
The Powertec RF Adapter, model AD-SA2RSA1-RA (SKU: ACC-BH-00071), is a high-quality SMA Female to RP-SMA Male adapter featuring a right-angle design. Constructed from brass with a gold-plated finish, it ensures optimal conductivity and durability. The inner contacts are made of phosphor bronze, also gold-plated, and the PTFE/Teflon insulator provides excellent thermal resistance.

This adapter operates efficiently across a frequency range of 0 GHz to 6 GHz with an input impedance of 50 Ω, making it ideal for various RF applications. It is designed to withstand extreme conditions, operating within temperatures from -65 °C to 165 °C, and meets rigorous MIL-STD-202 standards for thermal shock, corrosion, vibration, shock, and moisture resistance.

The right-angle, free-hanging connectors facilitate easy integration into complex assemblies, offering reliable performance with a VSWR of ≤ 1.3:1 at 6000 MHz. As a trusted name in wireless...

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RF Connector Interface



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



## RF Specification

**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 ...

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz		

VSWR Measurement

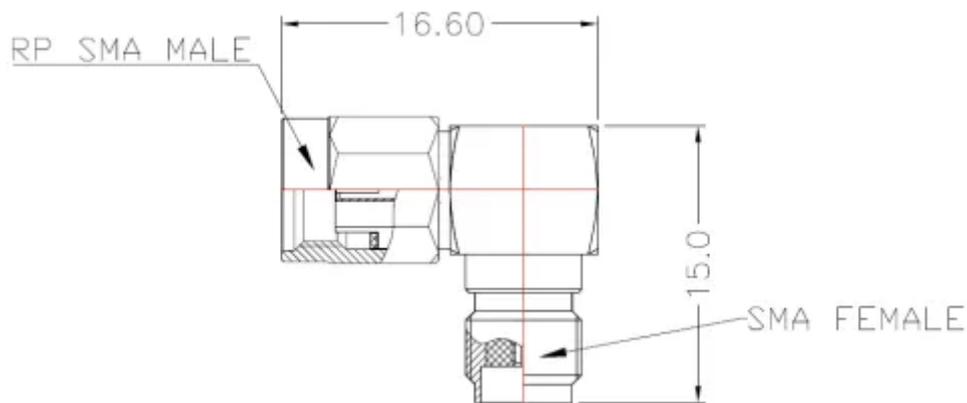
Frequency	VSWR
6000 MHz	≤ 1.3:1

## 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:	16.60 x 15.0	Max. Operating Temperature:	165 °C

- Mechanical Compliance: MIL-STD-202: Thermal Shock
- MIL-STD-202: Corrosion
- MIL-STD-202: Vibration
- MIL-STD-202: Shock
- MIL-STD-202: Moisture Resistance

## Drawing



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