

# 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  $50 \Omega$ , making it ideal for various RF applications. It is designed to withstand extreme conditions, operating within temperatures from  $-65 \text{ }^\circ\text{C}$  to  $165 \text{ }^\circ\text{C}$ , 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  $\leq 1.3:1$  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

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

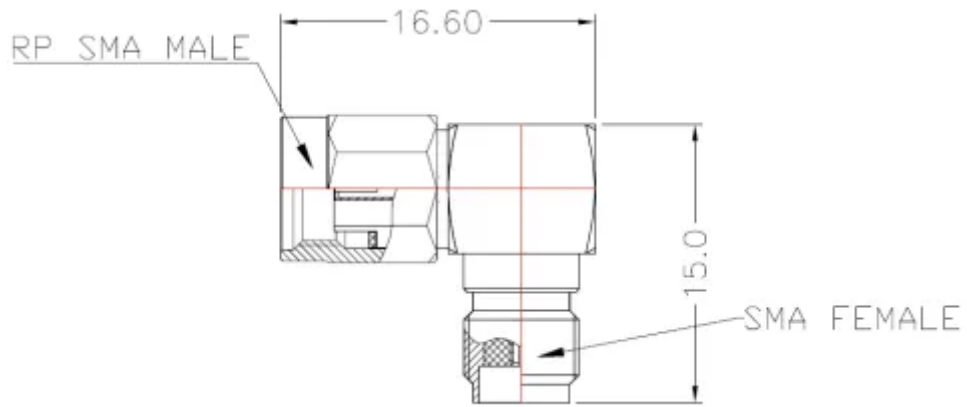
### VSWR Measurement

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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