

Page



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## **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 °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  $\leq 1.3:1$  at 6000 MHz. As a trusted name in wireless...

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## 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**

[RP-SMA Male](#) [Right Angle](#) [Free Hanging](#)

[SMA Female](#) [Right Angle](#) [Free Hanging](#)

## RF Specification

Start Frequency

0 GHz

Stop Frequency

6 GHz

Input Impedance

50  $\Omega$

VSWR Measurement

### **Frequency VSWR**

6000 MHz  $\leq 1.3:1$

# Physical Specification

Body Material

[Brass](#)

Body Plating

[Gold](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

16.60 x 15.0

Contact Material

[Phosphor Bronze](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-65 °C

Max. Operating Temperature

165 °C

Mechanical Compliance

[MIL-STD-202: Thermal Shock](#)

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[MIL-STD-202: Corrosion](#)

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[MIL-STD-202: Vibration](#)

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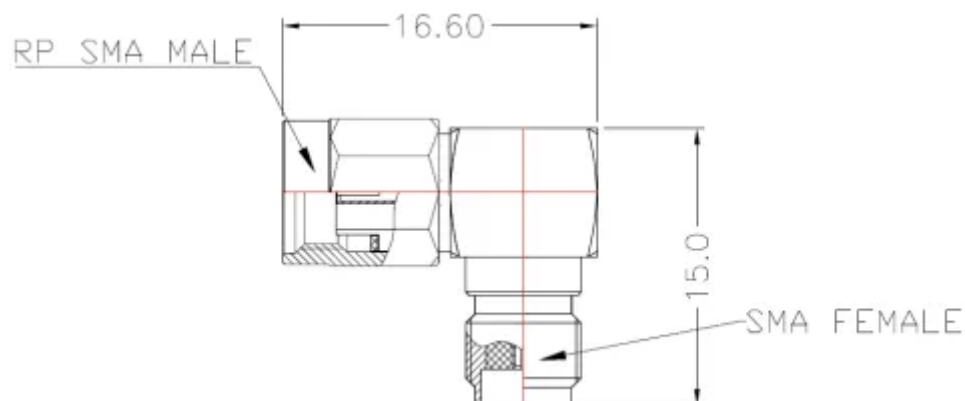
[MIL-STD-202: Shock](#)

,

[MIL-STD-202: Moisture Resistance](#)

Drawing

Image



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