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RF Adapter RP-SMA Male to SMA Female

SKU
ACC-PT-00321
MPN
AD-RSA2SA1
Barcode
9337692003585

Description

The RF Adapter RP-SMA Male to SMA Female (AD-RSA1SA2) by Powertec is a high-quality 50 Ω coaxial adapter. It features an RP-SMA Male connection compatible with RP-SMA Female interfaces and an SMA Female connection compatible with SMA Male interfaces. Both connections have a straight body shape and are designed for free-hanging mounting.

This adapter operates within a frequency range of 0 GHz to 6 GHz and is constructed from brass with a gold finish. The inner contacts are made of phosphor-bronze, also gold-plated for enhanced conductivity. It functions reliably in extreme temperatures, from -65 °C to 165 °C, and complies with ISO 9001 Quality Management and RoHS standards.

Ideal for use in wireless technology applications, this adapter is manufactured by Powertec, a reputable Australian company established in 1995, known for its expertise in cellular network enhancement and wireless network development. Powertec supports over 1500...

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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	Straight	Free Hanging
SMA Female	Straight	Free Hanging

RF Specification

Start Frequency
0 GHz
Stop Frequency
6 GHz
RF Operating Voltage
≥ 500 Vrms
Input Impedance
50 Ω
Inner Contact Resistance
≤ 1 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance
≤ 1 mΩ

VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.25:1

Physical Specification

Body Material

Brass

Body Plating

Gold

Insulator Material

PTFE / Teflon

Dimensions

15.9 x 8

Weight

5 g

Compliance/Certifications

ISO 9001 Quality Management

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RoHS

Contact Material

Phosphor Bronze

Contact Plating

Gold

Min. Operating Temperature

-65 °C

Max. Operating Temperature

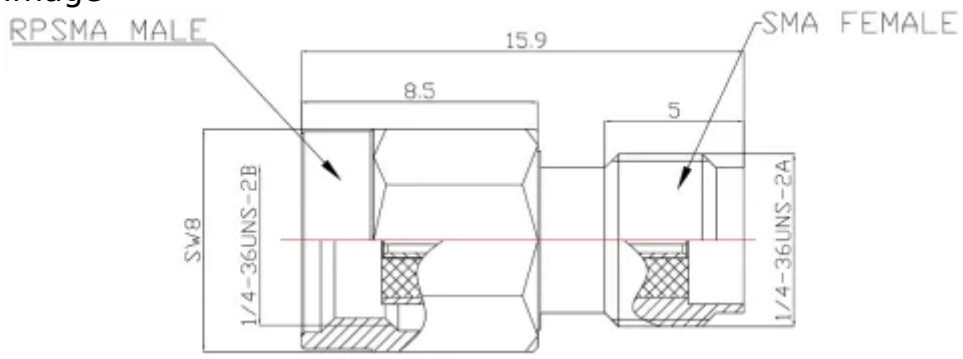
165 °C

Mating Cycles

> 500

Drawing

Image



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