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RF Adapter RP-SMA Female to SMA Male

SKU
ACC-PT-00333
MPN
AD-RPSA2SA1
Barcode
9337692003622

Description

The RF Adapter RP-SMA Female to SMA Male (Part Number: AD-RSA2SA1) by Powertec is a high-quality 50 Ω coaxial RF adapter. It features a RP-SMA Female connector with a straight, free-hanging body, compatible with RP-SMA Male interfaces, and a SMA Male connector with a straight, free-hanging body, compatible with SMA Female interfaces. The adapter supports an operating frequency range from 0 GHz to 6 GHz.

Constructed from Brass with a Gold finish, the adapter ensures robust performance and longevity. The inner contacts are also Brass with Gold plating, providing excellent conductivity and signal integrity. It operates within a temperature range of -55 °C to 155 °C, making it suitable for a wide range of environments.

This adapter meets ISO 9001 Quality Management and RoHS compliance standards, ensuring reliable quality and adherence to safety regulations. Powertec, an established Australian manufacturer since 1995, specialises 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 Female	Straight	Free Hanging
SMA Male	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	≤ 1.5:1

Physical Specification

Body Material

Brass

Body Plating

Gold

Insulator Material

PTFE / Teflon

Dimensions

17 x 8 mm (L x Dia)

Weight

5 g

Compliance/Certifications

ISO 9001 Quality Management

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RoHS

Contact Material

Brass

Contact Plating

Gold

Min. Operating Temperature

-55 °C

Max. Operating Temperature

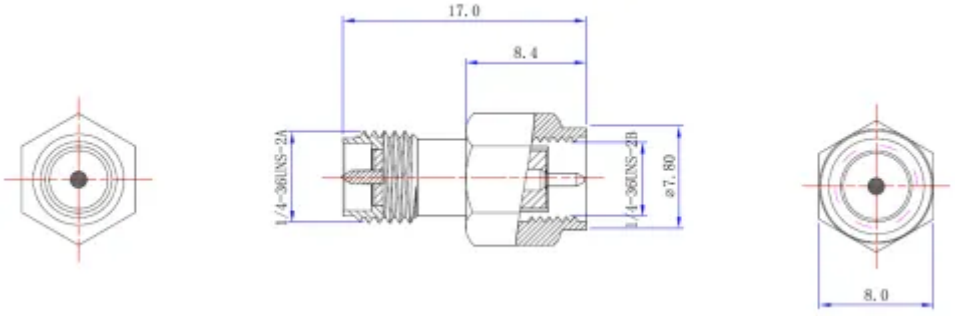
155 °C

Mating Cycles

> 500

Drawing

Image



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