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Powertec Wireless Technology
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Powertec RF Adapter, SMA Female to RP-SMA Female

SKU
ACC-BH-00070
MPN
AD-SA2RPSA2
Barcode
9337692004742

Description

The RF Adapter SMA Female to RP-SMA Female (Part Number: AD-SA2RSA2) by Powertec is a high-quality 50 Ω coaxial adapter designed for versatile RF connectivity. It features an SMA Female interface compatible with SMA Male connectors and an RP-SMA Female interface compatible with RP-SMA Male connectors. Both interfaces have a straight body shape and a free-hanging mounting mechanism, allowing flexible integration into various systems.

This adapter operates within a frequency range of 0 GHz to 6 GHz, making it suitable for a wide array of RF applications. Constructed from brass with a gold finish, it ensures durability and optimal signal transmission. The inner contacts are made of beryllium copper with gold plating, enhancing conductivity and reliability.

Engineered to withstand extreme conditions, the adapter functions effectively between -65 °C and 165 °C. It meets ISO 9001 Quality Management standards and is RoHS compliant, guaranteeing...

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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

SMA Female	Straight	Free Hanging
RP-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 m Ω

Insulation Resistance

≥ 5000 m Ω

Outer Contact Resistance

$\leq 1 \text{ m}\Omega$

VSWR Measurement

Frequency VSWR

6000 MHz $\leq 1.25:1$

Physical Specification

Body Material

[Brass](#)

Body Plating

[Gold](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

14 x 7 mm (L x Dia)

Weight

3.5 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Contact Material

[Phosphor Bronze](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-65 °C

Max. Operating Temperature

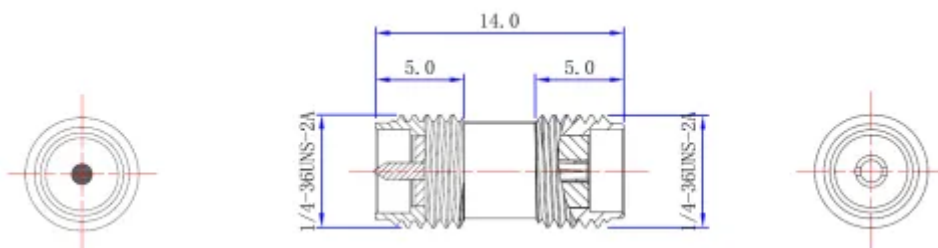
165 °C

Mating Cycles

> 500

Drawing

Image



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