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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 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

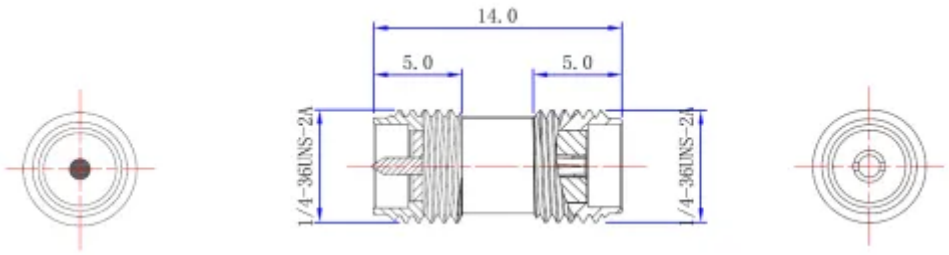
Start Frequency
0 GHz
Stop Frequency
6 GHz
RF Operating Voltage
≥ 500 Vrms
Input Impedance
50 Ω
Inner Contact Resistance
≤ 1 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance
≤ 1 mΩ

VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.25:1

Physical Specification

Body Material
Brass
Body Plating
Gold
Insulator Material
PTFE / Teflon
Dimensions
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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