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Powertec Wireless Technology
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RF Adapter SMA Female to SMA Male Right Angle

SKU
ACC-PT-00190
MPN
AD-SA2SA1-RA
Barcode
9337692003523

Description

The RF Adapter SMA Female to SMA Male Right Angle (AD-SA2SA1-RA) by Powertec is a 50 Ω coaxial adapter designed for high-frequency applications. It features right-angle SMA Female and SMA Male interfaces, both with a free-hanging mounting mechanism, ensuring compatibility and ease of installation.

This adapter supports an operating frequency range from 0 GHz to 6 GHz. Constructed from brass with a gold finish, it ensures durability and reliable signal transmission. The inner contacts are made of phosphor bronze with gold plating, providing excellent conductivity and resistance to corrosion.

It operates efficiently in extreme temperatures ranging from -65 °C to 165 °C. The adapter adheres to ISO 9001 Quality Management standards and is RoHS compliant, emphasising its quality and environmental responsibility.

Ideal for use in wireless communication systems and cellular network enhancement, this adapter meets the high standards expected in...

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

[SMA Male](#) [Right Angle](#) [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 $\leq 1.5:1$

Physical Specification

Body Material

[Brass](#)

Body Plating

[Gold](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

16.6 x 14.5 x 8 mm

Weight

8.4 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Contact Material

[Phosphor Bronze](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-65 °C

Max. Operating Temperature

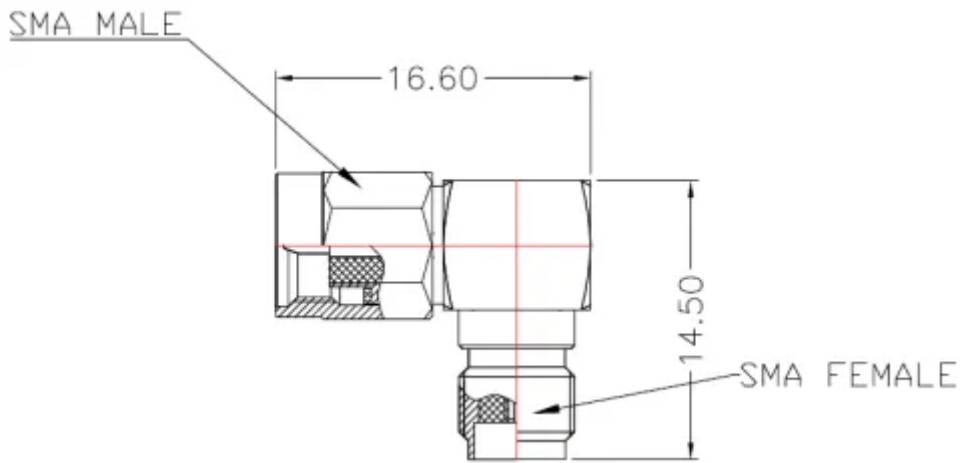
165 °C

Mating Cycles

> 500

Drawing

Image



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