

Page



Powertec Wireless Technology  
ABN: 42 082 948 463  
PO Box 1034, Ashmore City  
Queensland, Australia, 4214  
sales@powertec.com.au  
1300 769 378

## **RF Adapter, SMA Male to FME Male, Right Angle**

SKU  
ACC-PT-00081  
MPN  
AD-SA1FM1.RA  
Barcode  
9337692000843

## Description

The RF Adapter SMA Male to FME Male, Right Angle (Part Number: AD-SA1FM1-RA) is a high-quality 50  $\Omega$  coaxial connector from Powertec, an established Australian manufacturer. This adapter features an SMA Male interface and an FME Male interface, both with right-angle body shapes and free-hanging mounting mechanisms. Compatible with SMA Female and FME Female interfaces, it supports frequencies from 0 GHz to 6 GHz, ensuring versatile application.

Constructed from brass with a gold finish and gold-plated brass inner contacts, the adapter guarantees excellent performance and durability. It operates efficiently within a temperature range of -55 °C to 155 °C, making it suitable for various demanding environments. Additionally, it adheres to ISO 9001 Quality Management standards and complies with RoHS regulations.

Ideal for use in wireless communication systems, this adapter is perfect for cellular network enhancement and other RF applications...

[Read More](#)





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

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

## RF Specification

Start Frequency

0 GHz

Stop Frequency

6 GHz

RF Operating Voltage

$\geq 500$  Vrms

Input Impedance

50  $\Omega$

Inner Contact Resistance

$\leq 1$  m $\Omega$

Insulation Resistance

$\geq 5000$  m $\Omega$

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](#)

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Contact Material

[Brass](#)

Contact Plating

[Gold](#)

Min. Operating Temperature

-55 °C

Max. Operating Temperature

155 °C

Mating Cycles

> 500

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

