

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 TNC Female

SKU: ACC-PT-00091 MPN: AD-SA1TN2

Barcode: 9337692002953

### Description

The RF Adapter SMA Male to TNC Female (Part Number: AD-SA1TN2) by Powertec is a 50  $\Omega$  coaxial adapter designed for high-frequency applications. It features a SMA Male to TNC Female interface, both with straight body shapes and free-hanging mounting mechanisms, compatible with their respective connectors.

This adapter supports an operating frequency range from 0 GHz to 6 GHz, making it suitable for a wide variety of RF applications. Constructed from Brass with a Gold finish and inner contacts made of Phosphor Bronze with Gold plating, it ensures high durability and reliable performance. It operates efficiently in extreme temperatures ranging from -65 °C to 165 °C.

Manufactured to ISO 9001 Quality Management standards and compliant with RoHS, this adapter guarantees high quality and environmental safety.

Powertec, an Australian-based wireless technology manufacturer and systems integrator, has been a leader in the industry since 1995. The...

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	Straight	Free Hanging
TNC Female	Straight	Free Hanging

# **RF** Specification

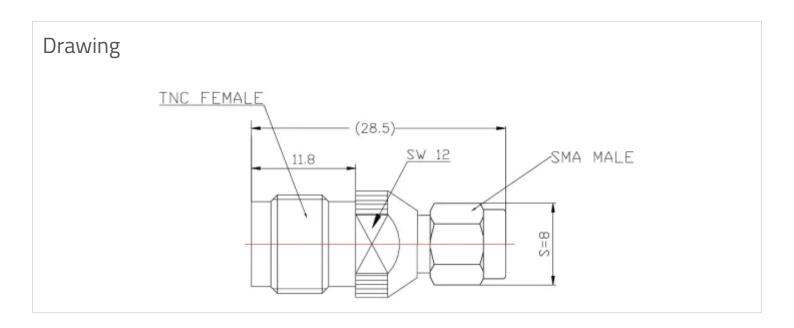
Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	≤ 1 mΩ
RF Operating Voltage:	≥ 500 Vrms	Insulation Resistance:	≥ 5000 mΩ
		Outer Contact Resistance:	≤ 1 mΩ

## **VSWR** Measurement

Frequency	VSWR
6000 MHz	≤ 1.25:1

# **Physical Specification**

Body Material:	Brass	Contact Material:	Phosphor Bronze
Body Plating:	Gold	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-65 °C
Dimensions:	28.5 x 12 mm (L x Dia)	Max. Operating Temperature:	165 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500
RoHS	1		



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.

