

# RF Adapter, SMA Female to TNC Male

SKU: ACC-PT-00089  
 MPN: AD-SA2TN1  
 Barcode: 9337692000850

## Description

The RF Adapter SMA Female to TNC Male (Part Number: AD-SA2TN1) is a 50  $\Omega$  coaxial adapter from Powertec, an Australian manufacturer. This adapter features an SMA Female connection compatible with SMA Male interfaces and a TNC Male connection compatible with TNC Female interfaces. Both connections are straight and free-hanging. It operates within a frequency range of 0 GHz to 6 GHz and is constructed from Brass with a Gold finish, while the inner contacts are Phosphor Bronze with Gold plating.

Designed for robustness, this adapter performs reliably in temperatures ranging from -65 °C to 165 °C. It meets ISO 9001 Quality Management standards and complies with RoHS regulations, ensuring high quality and environmental safety.

Ideal for a variety of RF applications, the Powertec AD-SA2TN1 adapter supports seamless connectivity and enhanced signal integrity for professional and industrial use.



### RF Connector Interface

RF Interface	Body Shape	Mounting
SMA Female	Straight	Free Hanging
TNC Male	Straight	Free Hanging

## RF Specification

### 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 ...

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	$\leq 1 \text{ m}\Omega$
RF Operating Voltage:	$\geq 500 \text{ Vrms}$	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 1 \text{ m}\Omega$

VSWR Measurement

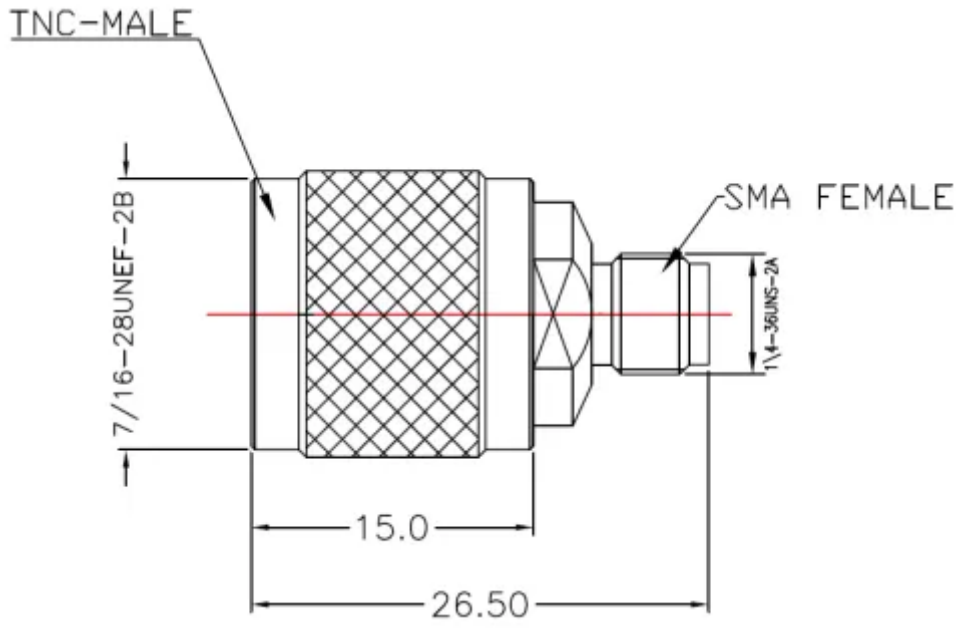
Frequency	VSWR
6000 MHz	$\leq 1.25:1$

## Physical Specification

Body Material:	Brass	Contact Material:	Phosphor Bronze
Body Plating:	Gold	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-55 °C
Dimensions:	26.5 x 15 mm	Max. Operating Temperature:	155 °C
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500

RoHS

# Drawing



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