Powertec Wireless Technology
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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 Ω 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.

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	Straight	Free Hanging
TNC Male	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

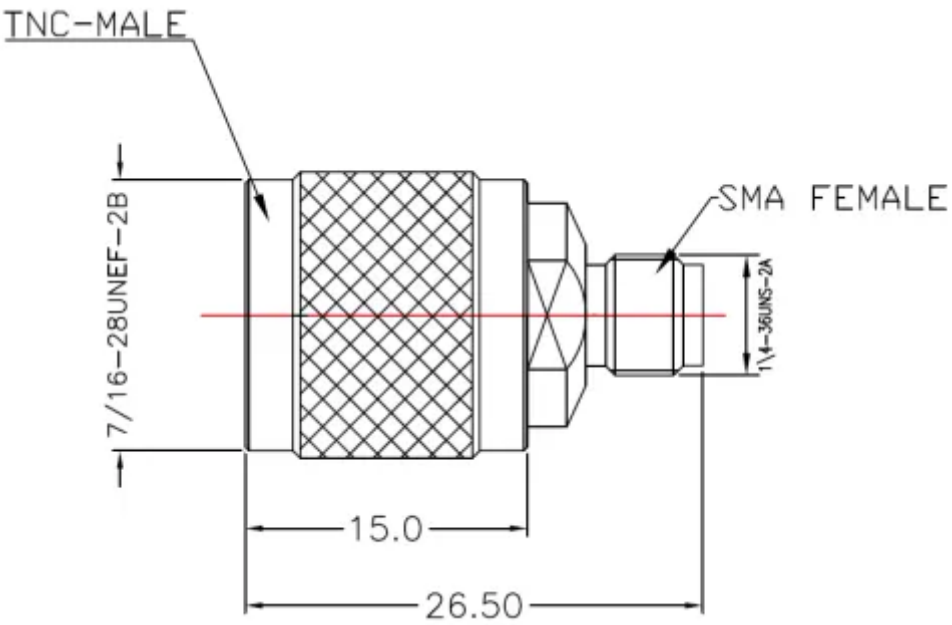
VSWR Measurement

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:	-55 °C
Dimensions:	26.5 x 15 mm	Max. Operating Temperature:	155 °C
Compliance/Certifications:	ISO 9001 Quality Management , RoHS	Mating Cycles:	> 500

Drawing



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