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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

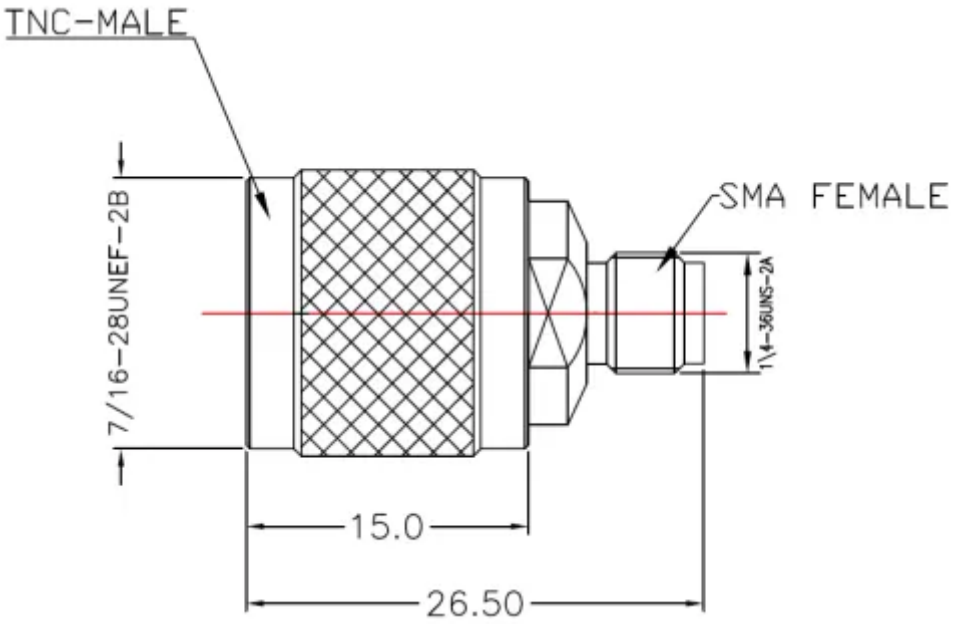
Start Frequency
0 GHz
Stop Frequency
6 GHz
RF Operating Voltage
≥ 500 Vrms
Input Impedance
50 Ω
Inner Contact Resistance
≤ 1 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance
≤ 1 mΩ

VSWR Measurement

Frequency	VSWR
6000 MHz	≤ 1.25:1

Physical Specification

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



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