

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.



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

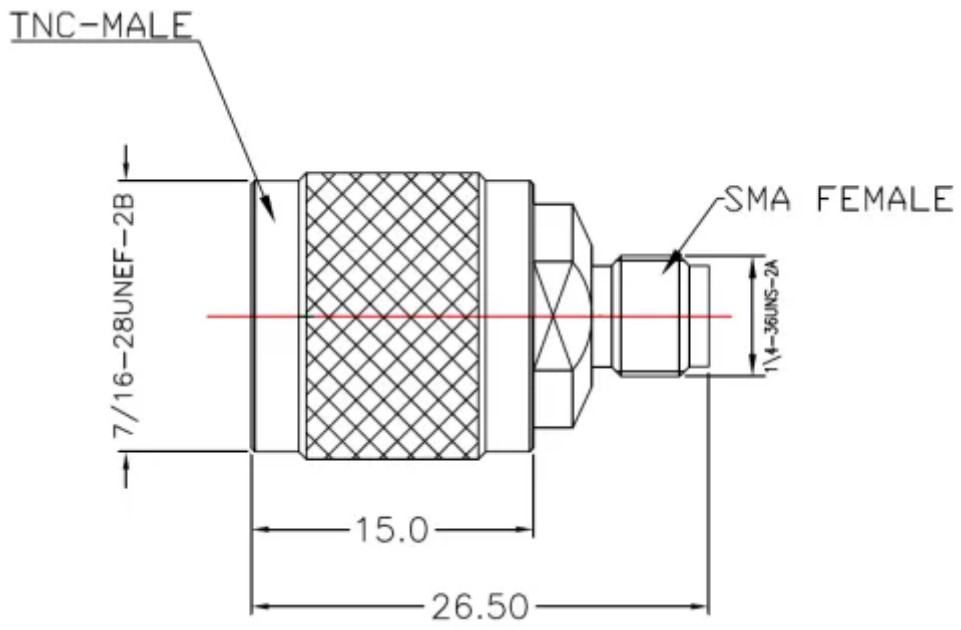
| Frequency | VSWR |
|-----------|---------------|
| 6000 MHz | $\leq 1.25:1$ |

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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