

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 Ω 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...

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RF Connector Interface



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



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

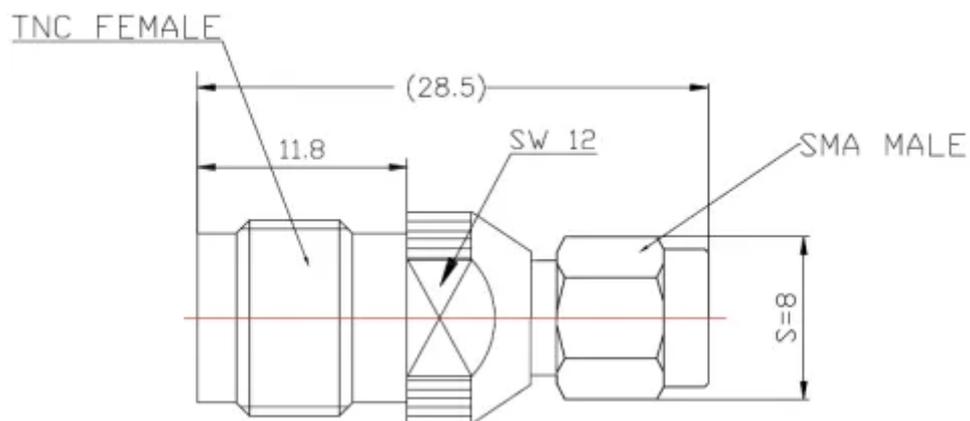
| Frequency | VSWR |
|-----------|---------------|
| 6000 MHz | $\leq 1.25:1$ |

Physical Specification

| | | | |
|----------------------------|-----------------------------|-----------------------------|------------------------------|
| Body Material: | Brass | Contact Material: | Phosphor Bronze |
| Body Plating: | Gold | Contact Plating: | Gold |
| Insulator Material: | PTFE / Teflon | Min. Operating Temperature: | $-65 \text{ }^\circ\text{C}$ |
| Dimensions: | 28.5 x 12 mm (L x Dia) | Max. Operating Temperature: | $165 \text{ }^\circ\text{C}$ |
| Compliance/Certifications: | ISO 9001 Quality Management | Mating Cycles: | > 500 |

RoHS

Drawing



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