

TactiLink

TF-100 Power Amplifier



Sierra Nevada Corporation's (SNC's) TactiLink TF-100 Power Amplifier is designed with over-stressed UHF SATCOM channels in mind. The TactiLink TF-100 system is your answer to assured UHF SATCOM communications. Supporting both voice and data communications, the TF-100 is ideal for vehicular SATCOM-On-The-Move (SOTM), ships, as well as aircraft. The TF-100 is proven tough and has been selected by the Naval Special Warfare Command for mission-critical SATCOM-On-The-Move as well as for SATCOM communications for the Rigid Hull Inflatable Boat (RHIB) program.

**Tactical Communications is Developing the Future for those at the
" T i p o f t h e S p e a r "**

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Intelligence, Surveillance, and Reconnaissance

TactiLink

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Specifications

Pre-Amplifier

- Noise Figure : < 2 db
- RX Gain: 30 db Typical
- RX Frequency Range: 240 - 270 MHz
- Power Output: 100 Watt Continuous
- TX Frequency Range: 290 – 320 MHz
- TX Gain: 23 db nominal

Power Input

- Voltage 22-32 VDC

Physical Characteristics

- Size: 12.0"L x 6.0"W x 3.5"H
- Weight: 8.3 lbs
- Cooling: Heat Sink Design
- External Finish: Black Anodized

Environmental

- Temp (Operating): -40 C to +70 C
- Temp (Storage): -45 C to +85 C
- Altitude (Operating): 25,000 Feet
- Humidity: 100%
- Waterproof to 100ft
- Fungus, UV, Engine Oil, Gasoline Resistant

Options

- TactiLink VSA - TF -100 Vehicular Shock Mount Adapter, provides a shock and vibration mount and includes provisions for mounting of the amplifier's "Power-T" if desired
- TF-100 Remote Amplifier Power Supply "Power T" provides DC power via the RF coaxial cable to the amplifier when operated remotely from the military UHF SATCOM radio

Features

- Very Low Noise Pre -Amplifier with 30 db Gain
- Meets UHF SATCOM DAMA Requirement
- Use of up/down filters virtually eliminate co-location problems
- Joint Interoperability Test Command (JITC) Certified
- Robust 100 Watt Power Amplifier
- Compatible with all current MIL-STD Modulation Standards



For further information contact:

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Complies with AS 9100

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