



SCCX2000 Solid State RF Power Amplifier

10kHz – 220 MHz • 2kW • Rack Integrated • Solid State Reliability

The Instruments for Industry, SCCX2000 Solid State amplifier is state-of-the-art and provides outstanding RF performance. The SCCX2000 amplifier operates over the frequency range from 10kHz - 220 MHz and supplies >2KW of CW Power. From the ground up, the SCCX2000 amplifier is built to withstand rugged handling. This series features heavy-duty aluminum chassis construction rack-integrated with a modular approach for easy access and service. The SCCX2000 is perfectly suited for all Military / Avionic and EMC testing as well as general purpose industrial applications.

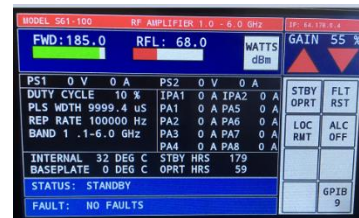
Operation safety and ease of use are paramount in IFI product designs. The SCCX2000 amplifier includes a full complement of RF and hardware protection circuits including high VSWR, over-current, voltage protection, redundant thermal and airflow sensors for the module and the system level. In addition, the SCCX2000 includes a state-of-the-art user interface that is sophisticated, comprehensive, and yet simple to use.

The backlit Color Touchscreen shows forward/reverse power indication in watts & dBm, system status and self-diagnostic information. Peak power metering is incorporated to measure forward and reflected power while producing pulse power. All the amplifier operating parameters are simultaneously available in the amplifier front panel display as well as over the remote bus. Selection switches allow you to switch the amplifier to the desired mode of operation for local control if the unit is not being operated remotely.

For computer automation an RS-232 and IEEE interface are provided as standard as well as USB & Ethernet. To meet individual application needs, the SCCX2000 Series amplifiers can be easily customized with other options. With this capability and its reliable elegant design, the SCCX2000 series amplifiers are the perfect system for your applications.

Features

- Solid State Design
- Rugged Construction & High Reliability
- Instantaneous Broadband Frequency range
- Color Touchscreen
- Modular Design Construction
- Integrated Force Air Cooling
- Self-diagnostic circuitry
- IEEE-488 interface, RS232, USB & Ethernet Remote
- Whisper Mode: lower acoustic noise (Temperature controlled variable speed)
- Peak power metering





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General Specifications:

Table with 7 columns: Model Number, Frequency Range, Rated Power (watts minimum), Gain (dB min), Mains (kVA), Weight (Pounds), Size (Inches). Row 1: SCCX2000, 10kHz – 220MHz, 2000, 63, 20.0, 600 Lbs., Rack Integrated

Standard Features for IFI SCCX2000 Solid State Amplifier

Table with 2 columns: Standard Features, Description. Features include VSWR protection, GPIB control, RF sample port, gain control, and safety interlocks.

IFI SCCX2000 Solid State Amplifier Specifications

Table with 2 columns: Specification, Value. Includes Frequency Range (10kHz - 220 MHz), Rated Output Power (2000W min), Gain @ Rated Power (63 dB), and various environmental and performance parameters.