



SCCX Solid State RF Power Amplifiers
10 KHz – 220 MHz • 10 to 1200 watts, Minimum Rated Power

Instruments for Industry, SCCX-Series Amplifiers provide outstanding RF performance. These products are available in a wide range of power levels from 10 watts to 1200 watts in the 10KHz - 220MHz frequency range. These state-of-the-art solid-state power amplifiers are specifically designed for laboratory and all testing applications.

IFI RF amplifiers are very conservatively designed to operate below maximum ratings for ruggedness and long term reliability. Sixth generation LDMOS Transistors provide reliable brute-power performance at frequencies up to 220MHz.

Our RF power amplifiers feature individually shielded aluminum assemblies for the module level. This concept of a shielded modular design minimizes internally produced EMI signal leakage and provides easy access for field service and rapid turnaround at depot level repair facilities.

From the ground up, the "SCCX-SERIES" products are structurally engineered to withstand operation in mechanically hostile environments. Ruggedized versions are available for applications that will be exposed to very harsh environments.

Features

- Solid State Design
• Rugged Construction & High Reliability
• Instantaneous Broadband Frequency range
• Backlit screen
• Modular Design Construction
• Integrated Force Air Cooling
• Self-diagnostic circuitry
• IEEE-488 interface & RS232 Remote



Table with 8 columns: Model Number, Frequency Range (MHz), Rated Power (Watts) Minimum, P1dB Power Watts Minimum, Gain (dB) Minimum, KVA, Weight In Pounds, Size In Inches. Rows include models from SCCX10 to SCCX3500.



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Standard Features for IFI SCCX-Series Solid State Amplifiers

Table with 2 columns: Standard Features and Description. Features include VSWR protection, alternate prime power, remote control, RF sample port, pre-amplification, gain control, connectors, diagnostics, and interlocks.

IFI SCCX-Series Solid State Amplifier Specifications

Table with 2 columns: Specification and Value. Includes frequency range, output power, gain, impedance, connectors, VSWR, operating temperature, humidity, altitude, cooling system, modulation, configuration, spurious outputs, and harmonics.

Standard Prime Powers:

Table listing standard prime power options: 100, 115, 120 VAC; 220, 230, 240 VAC; and three-phase options.

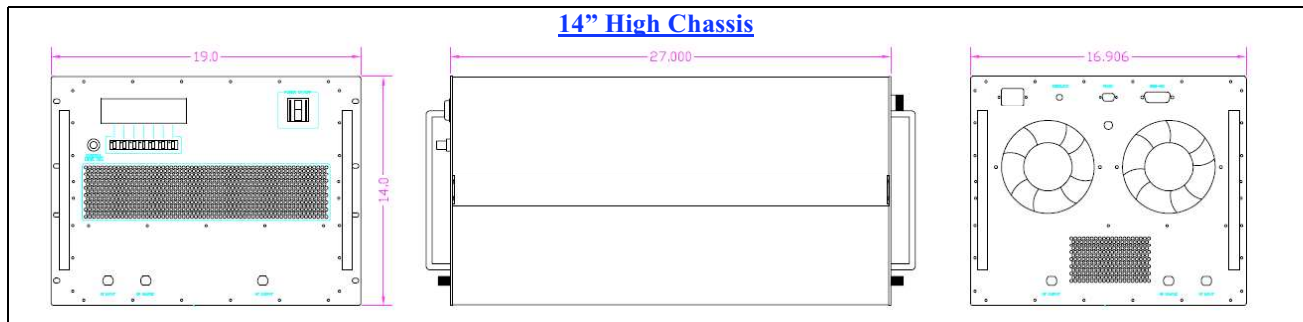
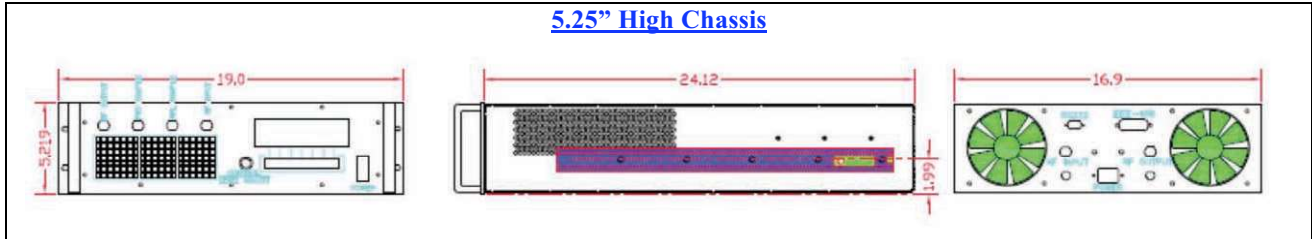
Some Available Options for IFI SCCX-Series Solid State Amplifiers

Table listing optional features: Option 110-1E (Ethernet remote control), Option 110-2 (RS 422 remote control), Option 110-3 (RS 485 remote control), Option 113 (chassis slides), Option 118A (RF input/output), and Option 118B (RF input/output).



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Outline Configurations:





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Rack Outline Configurations:

