



### 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



#### Models & General Specifications

Model Number	Frequency Range (MHz)	Rated Power (Watts) Minimum	P1dB Power Watts Minimum	Gain (dB) Minimum	KVA	Weight In Pounds	Size In Inches
SCCX10	10KHz – 220MHz	10	10	40	.1KVA	33 Lbs	5.25” H x 19” W x 24” D
SCCX25	10KHz – 220MHz	25	25	44	.2KVA	35 Lbs	5.25” H x 19” W x 24” D
SCCX50	10KHz – 220MHz	50	50	47	.4KVA	36 Lbs	5.25” H x 19” W x 24” D
SCCX100	10KHz – 220MHz	100	80	50	.5KVA	38 Lbs	5.25” H x 19” W x 24” D
SCCX150	10KHz – 220MHz	150	100	52	.8KVA	40 Lbs	5.25” H x 19” W x 24” D
SCCX200	10KHz – 220MHz	200	160	53	1.5KVA	80 Lbs	14.0” H x 19” W x 27” D
SCCX250	10KHz – 220MHz	250	200	54	2.0KVA	90 Lbs	14.0” H x 19” W x 27” D
SCCX350	10KHz – 220MHz	350	280	56	2.5KVA	95 Lbs	14.0” H x 19” W x 27” D
SCCX500	10KHz – 220MHz	500	300	57	3.0KVA	100 Lbs	14.0” H x 19” W x 27” D
SCCX800	10KHz – 220MHz	800	500	60	5.0KVA	400 Lbs	Rack Integrated
SCCX1200	10KHz – 220MHz	1200	800	62	10.0KVA	650 Lbs	Rack Integrated



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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, 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 powers: 100, 115, 120 VAC; 220, 230, 240 VAC; and three-phase options (100/110/1115/120 and 200/220/230/240 VAC).

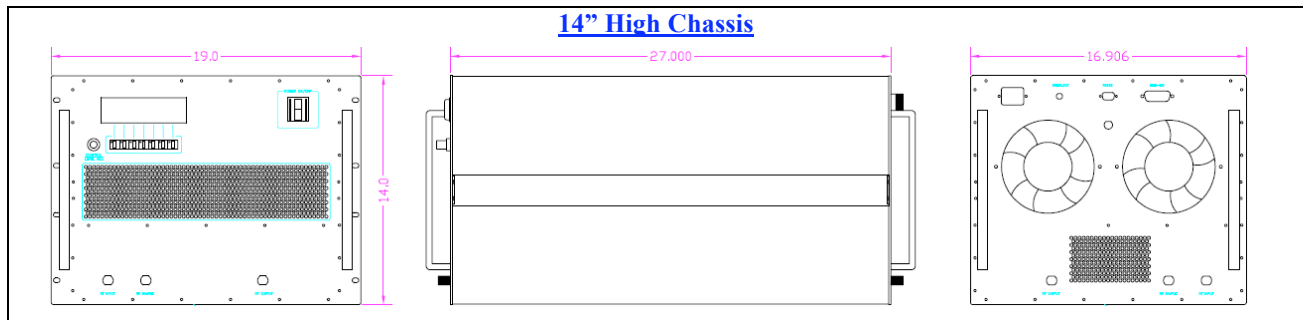
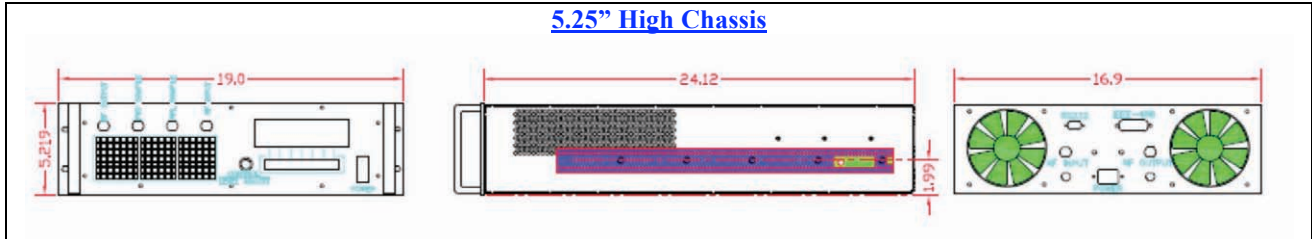
Some Available Options for IFI SCCX-Series Solid State Amplifiers

Table listing options: Option 110-1E (Ethernet remote control), Option 110-2 (RS 422 remote control), Option 110-3 (RS 485 remote control), Option 113 (19" rack mounting), Option 118A (RF input/output on rear), and Option 118B (RF input/output on front).



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Outline Configurations:





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Rack Outline Configurations:

