



### SCDX Solid State RF Power Amplifiers

10 KHz – 400 MHz • 10 to 500 watts, Minimum Rated Power

Instruments for Industry, SCDX-Series Amplifiers provide outstanding RF performance. These products are available in a wide range of power levels from 10 watts to 500 watts in the 10KHz - 400MHz 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 400MHz.

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 “SCDX-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
SCDX10	10KHz – 400MHz	10	10	40	.1KVA	40 Lbs	5.25” H x 19” W x 24” D
SCDX25	10KHz – 400MHz	25	25	44	.2KVA	45 Lbs	5.25” H x 19” W x 24” D
SCDX50	10KHz – 400MHz	50	50	47	.4KVA	50 Lbs	5.25” H x 19” W x 24” D
SCDX100	10KHz – 400MHz	100	80	50	.5KVA	60 Lbs	5.25” H x 19” W x 24” D
SCDX150	10KHz – 400MHz	150	100	52	.8KVA	70 Lbs	7.00” H x 19” W x 24” D
SCDX200	10KHz – 400MHz	200	160	53	1.5KVA	120 Lbs	14.0” H x 19” W x 27” D
SCDX250	10KHz – 400MHz	250	200	54	2.0KVA	160 Lbs	2x 10.5” H x 19” W x 27” D
SCDX350	10KHz – 400MHz	350	280	56	2.5KVA	180 Lbs	2x 10.5” H x 19” W x 27” D
SCDX500	10KHz – 400MHz	500	300	57	3.0KVA	200 Lbs	2x 10.5” H x 19” W x 27” D



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Standard Features for IFI SCDX-Series Solid State Amplifiers

Table with 2 columns: Standard Features and Description. Features include VSWR protection, remote control, gain control, and safety interlocks.

IFI SCDX-Series Solid State Amplifier Specifications

Table with 2 columns: Specification and Value. Includes frequency range, rated 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 SCDX-Series Solid State Amplifiers

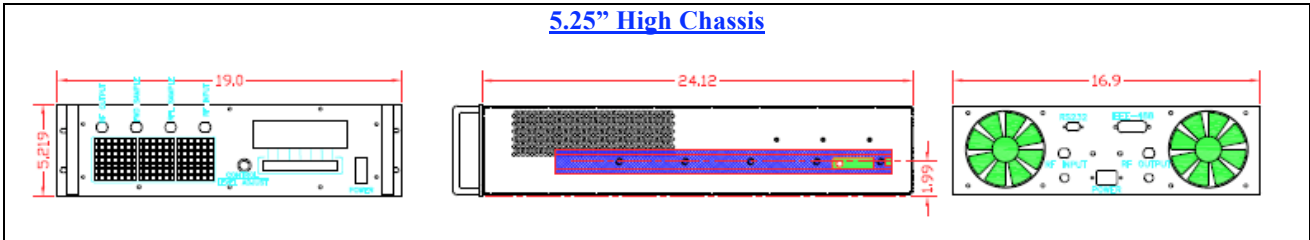
Table listing optional features: Option 110-1E (Ethernet remote control), Option 110-2 (RS 422 remote control), Option 110-3 (RS 485 remote control), Option 113 (rack mounting), Option 118A (RF input/output locations), and Option 118B (RF input/output locations).



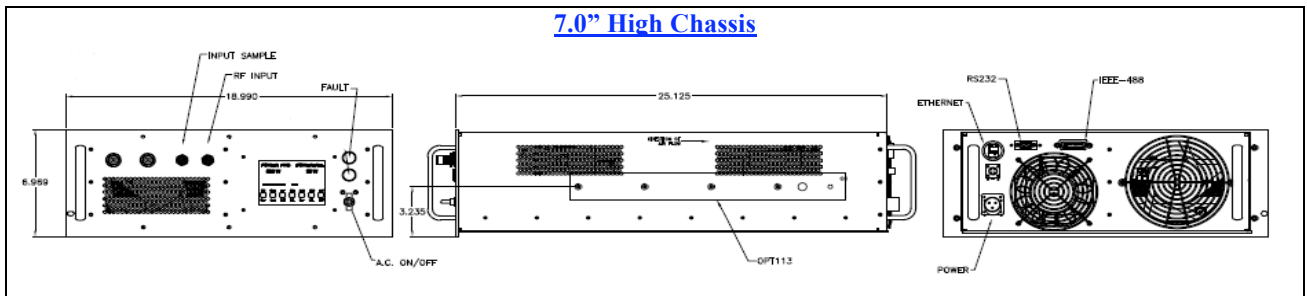
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Outline Configurations:

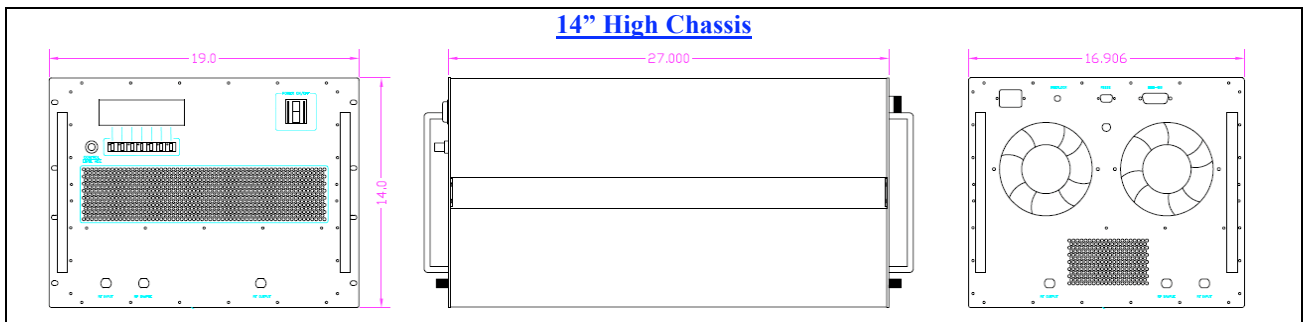
5.25" High Chassis



7.0" High Chassis



14" High Chassis



2 Drawer Chassis

