



SVC SERIES

Solid State Amplifiers

100-500 MHz

Features Include:

- *Digital Display Monitors:* Power Supply Currents, Voltage, Forward RF Power, Reflected RF Power, Total Hours, Operate Hours,
- *Status Indicators:* Power On, Standby, RF On/Operate,
- *Faults:* Overcurrent, VSWR Overload, Thermal Overloads, Power Supply
- *Controls:* AC Breaker On/Off, Standby, RF On/Operate, Fault Reset,
- Local/Remote
- Ease of Maintenance
- Designed to meet the safety requirements of the IEC-348 and Underwriters Laboratory of American Standards
- Broadband Coverage
- Applications Include: MIL-STD-461/462, RTCA/D0-160, SAE Specifications, Radiated Susceptibility, Bellcore testing,
- Broadband Communications.
- Ruggedized Versions are available for Shipboard and Airborne applications



Models And Specifications

Model Number	Frequency Range (MHz)	Min Pwr Out* (Watts)	Min Sat Gain* (dB)	Rack Type
SVC-10	100-500	10	40	A
SVC-25	100-500	25	44	A
SVC-50	100-500	50	47	A
SVC-100	100-500	100	50	A
SVC-200	100-500	200	53	B
SVC-250	100-500	250	54	B
SVC-500	100-500	500	57	B
SVC-800	100-500	800	58	C
SVC-1000	100-500	1000	60	C
SVC-1500	100-500	1500	62	D
SVC-2000	100-500	2000	63	D

INSTRUMENTS FOR INDUSTRY INC.

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www.ifi.com

Prime Power:

100/115/220/230 or 240VAC $\pm 10\%$ 50/60 Hz, single phase
115/208 or 200/220/230/240VAC $\pm 10\%$ 50/60 Hz,
three phase Wye, Delta and/or 400 Hz power is available

Mechanical

Dimensions: See chart below
Weight: See chart below
Cooling: Internal forced air

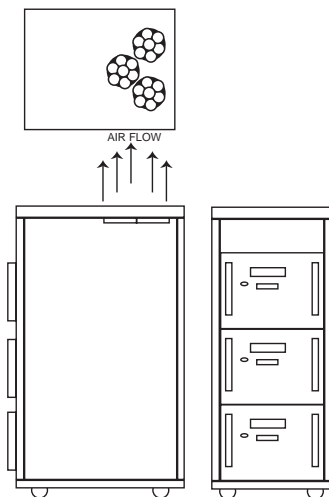
Remote Operation

GPIB, RS422, RS485, RS232, optional RS422, RS485,
or TTL Remote Control

Outline Drawing:

Specifications subject to change without notice

Type	Height	Width	Depth	Weight
(Rack Mount) A	7"	19"	24"	75 lbs.
(Rack Mount) B	14"	19"	27"	125 lbs.
(Cabinet) C	72"	22"	30"	700 lbs.
(Cabinet) D	80"	22"	30"	800 lbs.

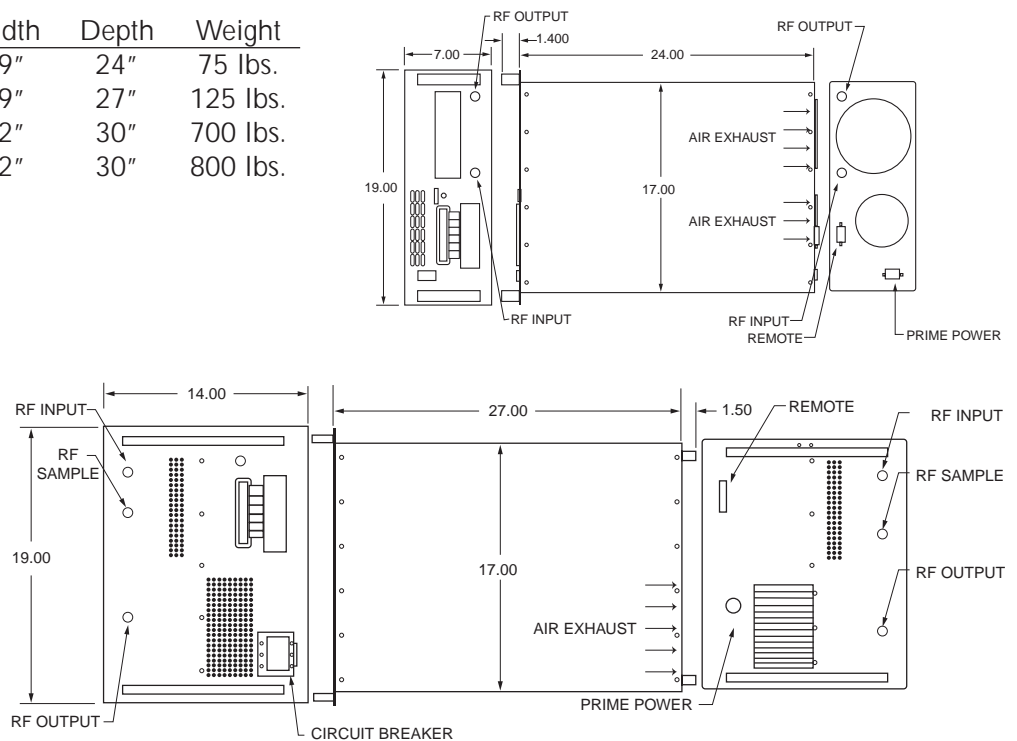


RF Specifications

Spurious Outputs: -40 dBc, maximum.
-50 dBc, available.
Input Impedance: 50 Ohms, VSWR 2.0:1
Output Impedance: 50 Ohms, VSWR 2.0:1
2.5:1 maximum.
Input Connector: Type N (Female).
Output Connector: Type N (Female)
Type SC (Female)
on over 1Kw models

Environmental

Operating Temperature: 0 - 50°C (40°C @
10,000 Feet)
Relative Humidity: 95% (non-condensing)
Operating Altitude: 10,000 feet maximum
Non-operating Temp.: -20 to 70°C
Non-operating Altitude: 50,000 feet maximum



To view typical performance data go to www.ifi.com/typdata.htm



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