



SMV/SMIV SERIES

**Solid State
Amplifiers**

500-1000 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, Operate,
- **Faults:** Overcurrent, VSWR Overload, Thermal Overloads, Power Supply
- **Controls:** AC Breaker On/Off, Standby, 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
SMV-10	500-1000	10	40	A
SMV-50	500-1000	50	47	A
SMV-100	500-1000	100	50	A
SMV-200	500-1000	200	53	B
SMV-250	500-1000	250	54	B
SMV-500	500-1000	500	57	C
SMV-800	500-1000	800	58	C
SMV-1000	500-1000	1000	60	D
SMV-2000	500-1000	2000	63	D
SMIV-10	400-1000	10	40	A
SMIV-50	400-1000	50	47	A
SMIV-100	400-1000	100	50	A
SMIV-200	400-1000	200	53	B
SMIV-250	400-1000	250	54	B
SMIV-500	400-1000	500	57	C
SMIV-800	400-1000	800	58	C
SMIV-1000	400-1000	1000	60	D
SMIV-2000	400-1000	2000	63	D

INSTRUMENTS FOR INDUSTRY INC.

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www.ifi.com

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Amplifiers**

500-1000 MHz

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, RS232, optional RS422, RS485 or TTL Remote Control

Outline Drawing:

Specifications subject to change without notice

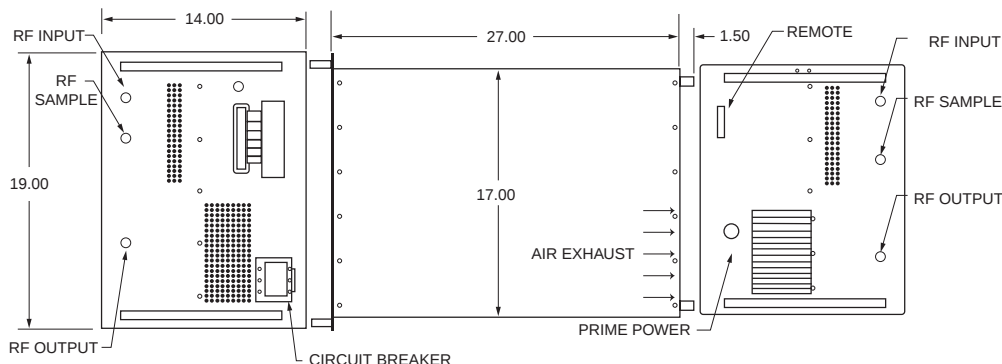
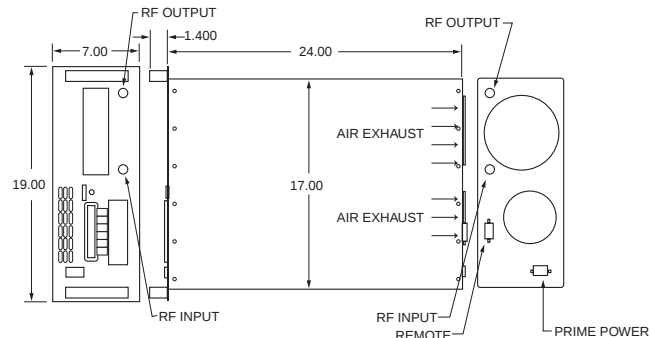
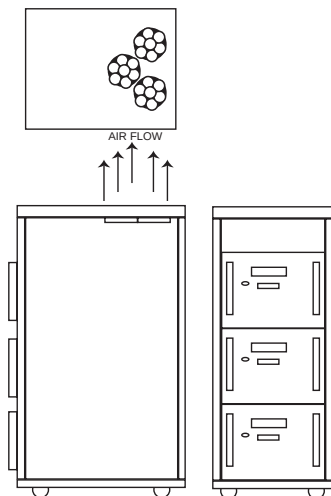
RF Specifications

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

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.



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



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