



5300 Beethoven Street, Los Angeles, CA 90066
 TEL: (310)306-5556 • FAX: (310)821-7413
 WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

Solid State Broadband High Power RF Amplifier

The 5126 is a 120 Watt broadband amplifier that covers the 20 – 1000 MHz frequency range. This small and lightweight amplifier utilizes Class A/AB linear power devices that provide an excellent 3rd order intercept point, high gain, and a wide dynamic range.

Due to robust engineering and employment of the most advanced devices and components, this amplifier achieves high efficiency operation with proven reliability. Like all OPHIR_{RF} amplifiers, the 5126 comes with an extended multiyear warranty.

MODEL 5126

20 - 1000 MHz

120 WATTS

LINEAR POWER RF AMPLIFIER

| | Parameter | Specification @ 25° C |
|----------------------|----------------------------|-------------------------------|
| Electrical | | |
| 1 | Frequency Range | 20 – 1000 MHz |
| 2 | Saturated Output Power | 120 Watts rated |
| 3 | Power Output @ 1dB Comp. | 70 Watts min |
| 4 | Small Signal Gain | +52 dB min |
| 5 | Small Signal Gain Flatness | ± 2.0 dB max |
| 6 | IP ₃ | +55 dBm typical |
| 7 | Input VSWR | 2:1 max |
| 8 | Harmonics | -20 dBc typical @ 70 Watts |
| 9 | Spurious Signals | < -60 dBc typical @ 70 Watts |
| 10 | Input/Output Impedance | 50 Ohms nominal |
| 11 | AC Input Power | 1500 Watts max |
| 12 | AC Input | 100 – 240 VAC, single phase |
| 13 | RF Input | 0 dBm max |
| 14 | RF Input Signal Format | CW/AM/FM/PM/Pulse |
| 15 | Class of Operation | AB |
| Mechanical | | |
| 16 | Dimensions | 19" x 7.0" x 20" |
| 17 | Weight | 60 lb. max |
| 18 | Connectors | Type-N |
| 19 | Grounding | Chassis |
| 20 | Cooling | Internal Forced Air |
| Environmental | | |
| 21 | Operating Temperature | 0° C to +50° C |
| 22 | Operating Humidity | 95% Non-condensing |
| 23 | Operating Altitude | Up to 10,000' Above Sea Level |
| 24 | Shock and Vibration | Normal Truck Transport |

CIRCUIT INDICATIONS

- ◊ Forward Power
- ◊ Reflected power
- ◊ VSWR Fault
- ◊ Temp Fault
- ◊ Gain Setting (VVA) percentage

CIRCUIT PROTECTIONS

- ◊ Thermal Overload
- ◊ Over Current
- ◊ Over Voltage

Specifications subject to change without notice.



RE Model Shown