



5300 Beethoven Street, Los Angeles, CA 90066
 TEL: (310)306-5556 • FAX: (310)577-9887
 WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

MODEL 4056
1175 - 1675 MHz
500 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Band-specific High
 Power RF Amplifier**

The 4056 is a 500 Watt band-specific amplifier that covers the 1175 – 1675 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.

	Parameter	Specification @ 25 °C
Electrical		
1	Frequency Range	1175 – 1675 MHz
2	Saturated Output Power	500 Watts min
3	Small Signal Gain	+58 dB min
4	Small Signal Gain Flatness	± 1.5 dB max
5	IP ₃	+63 dBm typical
6	Input/Output VSWR	2:1 max
7	Harmonics	-20 dBc typical
8	Spurious Signals	> -60 dBc typical
9	Input/Output Impedance	50 Ohms nominal
10	AC Input Power	2400 Watts max
11	AC Input	100 – 240 VAC, single phase
12	RF Input	0 dBm max.
13	Amplifier Enable/disable	"0" for HPA Disable Open or +5V Enable
14	Blanking Isolation	60dB typical
Mechanical		
15	Dimensions	19" x 8.75" x 24"
16	Weight	100 lb. max
17	Connectors	Type-N
18	Grounding	Chassis
19	Cooling	Internal Forced Air
Environmental		
20	Operating Temperature	0° C to +50° C
21	Operating Humidity	95% Non-condensing
22	Operating Altitude	Up to 10,000' Above Sea Level
23	Shock and Vibration	Normal Truck Transport

CIRCUIT PROTECTIONS

- ◇ Infinite Load VSWR using an Isolator
- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage

