



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 5088
10 kHz - 200 MHz
400 WATTS (P-1dB)
LINEAR POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 5088 is a 400 Watt (P-1dB) broadband amplifier that covers the 0.01 – 200 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.



FE Model Shown

ORDERING MODELS

- ◇ RE - Rear panel RF connectors with IEEE488, Ethernet and RS232
- ◇ FE - Front panel RF connectors with IEEE488, Ethernet and RS232

CIRCUIT PROTECTIONS

- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage
- ◇ VSWR protection
- ◇ RF Output power level

	<u>Parameter</u>	<u>Specification @ 25° C</u>
<u>Electrical</u>		
1	Frequency Range	0.01 – 200 MHz
2	Power Output @ 1dB Comp.	400 Watts min
3	Small Signal Gain	+57 dB min
4	Gain Flatness	± 2.5 dB
5	IP ₃	+60 dBm
6	Input VSWR	2:1 max
7	Harmonics	-15 dBc typical @ 250 Watts
8	Spurious Signals	-60 dBc typical @ 250 Watts
9	Input/Output Impedance	50 Ohms nominal
10	AC Input Power	3000 Watts max
11	AC Input	186 – 264 VAC, single phase
12	Nominal RF Input	0 dBm
13	RF Input Overdrive	+3 dBm max
14	RF Input Signal Format	CW/AM/FM/PM
15	Class of Operation	AB
<u>Mechanical</u>		
16	Dimensions* (W x H x D)	19" x 14" x 26"
17	Weight*	150 lb. max
18	RF Connectors	Type-N
19	Grounding	Chassis
20	Cooling	Internal Forced Air
<u>Environmental</u>		
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

Specifications subject to change without notice

CIRCUIT INDICATIONS

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

CIRCUIT CONTROL

- ◇ Standby (amplifier disable)
- ◇ Gain/power setting with 25dB range
- ◇ VSWR protection Reset
- ◇ ALC On/ Off