



5200 Beethoven Street, Los Angeles, CA 90066  
 TEL: (310)306-5556 • FAX: (310)821-7413  
 WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

**MODEL 5229**  
**80-1000 MHz**  
**2000 WATTS**  
**LINEAR POWER RF AMPLIFIER**

## Solid State Broadband High Power RF Amplifier

The 5229 is a 2000 Watt broadband amplifier that covers the 80 – 1000 MHz frequency range. This amplifier utilizes latest generation power devices that provide unrivaled 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.

This OPHIR<sub>RF</sub> amplifiers the 5229 comes with an extended multi-year warranty backed by Ophir RF's commitment to total customer satisfaction.

	Parameter	Specification @ 25° C			
		Minimum	Nominal	Maximum	Unit
<b>Electrical</b>					
1	Frequency Range	80		1000	MHz
2	Power at P <sub>SAT</sub>	1700	2000		Watts
3	Power at P <sub>1dB</sub>	1400	1600		Watts
4	Small Signal Gain	64			dB
5	Gain Flatness			+3.5	dB
6	IP <sub>3</sub>		66		dBm
7	Input VSWR			2:1	Ratio
8	Harmonics at P <sub>1dB</sub>		-20		dBc
9	Spurious Signals at P <sub>1dB</sub>		-60		dBc
10	Input/Output Impedance		50		Ohms
11	AC Input Power			20000	Watts
12	AC Input	208 VAC ± 10%, Three Phase 3Ø 50/60 Hz			
13	RF Input		0	+3	dBm
14	RF Input Signal Format	CW/AM/FM/PM/Pulse			
15	Class of Operation	Class A			
<b>Mechanical</b>					
16	Dimensions	65" x 24" x 32" (H x W x D)			
17	Weight	850 Lbs.			
18	RF Connectors	Type-N Female Input Type 1 5/8 EIA Output			
19	Grounding	Chassis			
20	Cooling	Internal Forced Air			
<b>Environmental</b>					
21	Operating Temperature	0°		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*



5200 Beethoven Street, Los Angeles, CA 90066

TEL: (310)306-5556 • FAX: (310)821-7413

WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

## MODEL 5229

80-1000 MHz

2000 WATTS

LINEAR POWER RF AMPLIFIER

### FRONT PANEL CONTROLLER FEATURES

- ◇ Forward Power Monitoring
- ◇ Reflected Power Monitoring
- ◇ Gain Control (Continuously Variable VVA 20dB)
- ◇ Fault Status and Error Codes
- ◇ Full Protection Of any VSWR Condition, Open or Short
- ◇ Interlock Open Indicator
- ◇ Standby/Enable Control
- ◇ Front Panel Display for easy viewing of System Status Locally
- ◇ Touch Screen display
- ◇ Controller Interfaces: IEEE-488 (GPIB), RS-232, RS-232 fiber over optic, USB, and Ethernet

### CIRCUIT INDICATIONS

- ◇ Forward Power
- ◇ Reflected power
- ◇ Fault Codes and Identifier
- ◇ Temp Fault
- ◇ Gain Setting (VVA) percentage
- ◇ Standby/Online
- ◇ Power Supply Output Voltage

### CIRCUIT PROTECTIONS

- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage
- ◇ Open or Short VSWR Conditions



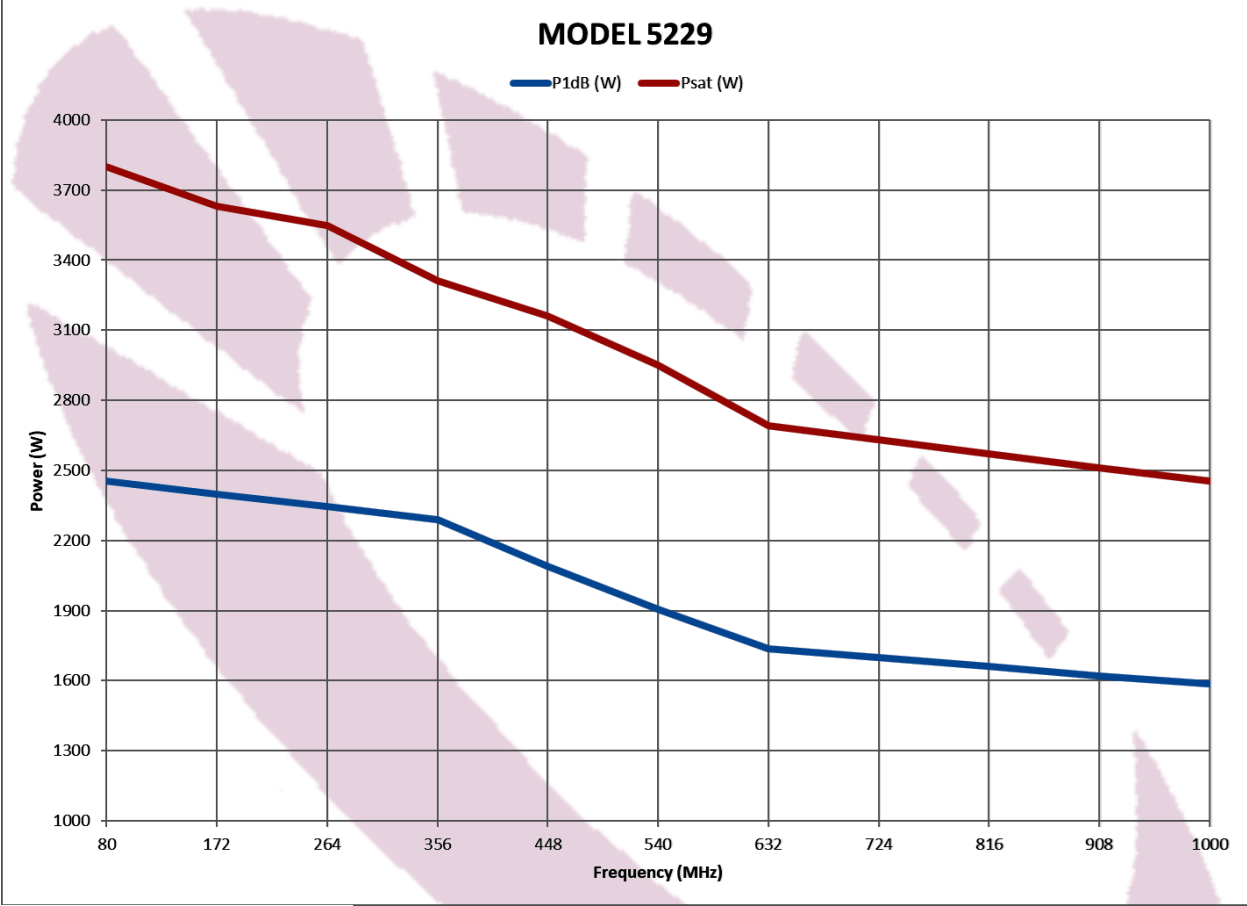
**MADE IN USA**





5200 Beethoven Street, Los Angeles, CA 90066  
TEL: (310)306-5556 • FAX: (310)821-7413  
WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

**MODEL 5229**  
**80-1000 MHz**  
**2000 WATTS**  
**LINEAR POWER RF AMPLIFIER**



**ORDERING MODELS**

- RE Rear RF Connector model with Front Panel Controller  
Ethernet, IEEE-488 and RS232
- FE Front RF Connector model with Front Panel Controller  
Ethernet, IEEE-488 and RS232