



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_{RF} amplifiers the 5229 comes with an extended multi-year warranty backed by Ophir RF's commitment to total customer satisfaction.

	<u>Parameter</u>	<u>Specification @ 25° C</u>
<u>Electrical</u>		
1	Frequency Range	80-1000 MHz
2	Rated Output Power	2000 Watts minimum
3	P1dB Power	1750 Watts minimum
3	Small Signal Gain	+65 dB minimum
4	Gain Flatness	± 2.5 dB maximum
5	VSWR Protection	VSWR 6:1
6	Input VSWR (50 Ohm)	1.5:1 maximum
7	Output VSWR	50 Ohms
8	Harmonics (Maximum)	-20 dBc @ rated power
9	Spurious Signals	≤ -60 dBc
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	18.0 KW Max
12	AC Input	208VAC, 50/60 Hz, 3 phase
17	Class of Operation	Class A
<u>Mechanical</u>		
18	Dimensions	65" x 24" x 32" (H x W x D)
19	Weight	1,400 lbs. maximum
20	RF Connectors	Type-N Female Input Type 1 ^{5/8} EIA Output
21	Remote Interfaces	IEEE-488 (GPIB), RS-232 and Ethernet
22	Grounding	Chassis
23	Cooling	Internal Forced Air
<u>Environmental</u>		
24	Operating Temperature	0° C to +50° C
25	Operating Humidity	95% Non-condensing
26	Operating Altitude	Up to 10,000' Above Sea Level
27	Shock and Vibration	Normal Truck Transport

Specifications subject to change without notice

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



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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

