



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 5266
700-4200 MHz
500 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF
 Amplifier**

The 5266 is a 500 Watt broadband amplifier that covers the 700-4200 MHz frequency range. This amplifier utilizes Class A 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 5266 comes with an extended five year warranty backed by Ophir RF's commitment to total customer satisfaction.



	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	700-4200 MHz
2	Power Output P _{SAT}	500 Watts Nominal
3	Power Output P _{1dB}	350 Watts Minimum
4	Small Signal Gain	+61 dB min
5	Gain Flatness	± 4.0 dB min
6	IP ₃	+63 dBm min
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical @ 350 Watts
9	Spurious Signals	-60 dBc typical @ 350 Watts
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	5000 Watts max
12	AC Input	208 VAC 3Ø 180-240 VAC 2Ø available
13	Nominal RF Input	0 dBm
14	RF Input Overdrive	+10 dBm max
15	RF Input Signal Format	CW/AM/FM/PM
16	Class of Operation	AB
Mechanical		
17	Dimensions* (W x H x D)	19" x 26.25" x 26" Built into small cabinet
18	Weight*	350 lb. max
19	RF Connectors	Type-N
20	Grounding	Chassis
21	Cooling	Internal Forced Air
Environmental		
22	Operating Temperature	0° C to +50° C
23	Operating Humidity	95% Non-condensing
24	Operating Altitude	Up to 10,000' Above Sea Level
25	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



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 5266
700-4200 MHz
500 WATTS
LINEAR POWER RF AMPLIFIER

FRONT PANEL CONTROLLER FEATURES

- ◇ - Forward Power Monitoring
- ◇ - Reflected Power Monitoring
- ◇ - Gain Control (20 dB dynamic range of adjustment)
- ◇ - Fault Status
- ◇ - Full Protection Of any VSWR Condition, Open or Short, into any Phase Angle
- ◇ - Remote Control Access via the Ethernet, RS-232, or IEEE-488 Communications ports
- ◇ - Integrated Automatic Leveling Control to allow end-user to maintain output even with variances in temperature, or input RF level
- ◇ - Standby/Enable Control
- ◇ - Front Panel Display for easy viewing of System Status Locally
- ◇ - Keypad buttons for full local control

CIRCUIT PROTECTIONS

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

CIRCUIT CONTROL

- ◇ - Standby (amplifier disable)
- ◇ - Gain/power setting with 20dB range
- ◇ - VSWR protection Reset
- ◇ - ALC On/ Off

CIRCUIT INDICATIONS

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

RFPA SYSTEM OPTIONS

- ◇ - Switched Filter Bank
- ◇ - Input Power Requirements
- ◇ - Ruggedized Version
- ◇ - Cabinet Requirements
- ◇ - Outdoor Version
- ◇ - Sample Ports
- ◇ - Racking Options
- ◇ - Many More!
- ◇ - **Consult Factory with Specific Requirements**

