



5300 Beethoven Street, Los Angeles, CA 90066
TEL: (310)306-5556 • FAX: (310)821-7413
WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

MODEL 5136-747

1.25 - 1.35 GHz
800 WATTS PEAK
LINEAR POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 5136-747 is a 800 Watt pulsed or CW amplifier that covers the 1.25 – 1.35 GHz 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.

Specifications subject to change without notice

CIRCUIT PROTECTIONS

- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage
- ◇ VSWR protection

CIRCUIT INDICATIONS

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

CIRCUIT CONTROL

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

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	1.25 – 1.35 GHz
2	Saturated Peak Output Power	800 Watts peak
3	Average Output Power*	240 Watts typ.
4	Small Signal Gain	+54 dB min
5	Small Signal Gain Flatness	+/- 1.0 dB
6	IP ₃	+65 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical
9	Spurious Signals	< -60 dBc typical
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	3000 Watts max
12	AC Input	180 – 264 VAC, single phase
13	RF Input	+10 dBm max
14	RF Input Signal Format	Pulse
15	Duty cycle	30% max
16	Class of Operation	A/AB
Mechanical		
	Dimensions	19" x 8.75" x 26.5"
17	Weight	74 lb. max
18	Connectors	Type-N (RF Input/Output)
19	Grounding	Chassis
20	Cooling	Internal Forced Air
Environmental		
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

* = Average Power is based on a 30% duty cycle



ORDERING MODELS

- ◇ RE - Rear Panel model with RS232, IEEE, & Ethernet
- ◇ FE - Front Panel model with RS232, IEEE, & Ethernet