



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 5156
0.8 - 2.5 GHz
500 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 5156 is a 500 Watt broadband amplifier that covers the 0.8 – 2.5 GHz frequency range. This amplifier utilizes Class A/AB linear power devices that provide high gain and a wide dynamic range. This system also achieves high efficiency operation with proven reliability. The 5156 comes with an extended warranty.



	Parameter	Specification @ 25° C
<u>Electrical</u>		
1	Frequency Range	0.8 – 2.5 GHz
2	Saturated Output Power	500 Watts typical
3	Power Output @ 1 dB Comp.	400 Watts min
4	Small Signal Gain	+58 dB min
5	Gain Flatness	± 2.0 dB max
6	Third Order Intercept Point	+66 dBm typical
7	Input VSWR	2:1 max
8	Input/Output Impedance	50 Ohms nominal
9	AC Input Power	7500 Watts max
10	AC Input	208 ± 10% VAC, three phase
11	RF Input	+10 dBm max
12	RF Input Signal Format	CW/AM/FM/PM/Pulse
13	Class of Operation	A/AB
<u>Mechanical</u>		
14	Dimensions (W x H x D)	24" x 72" x 30" (TBC)
15	Weight	600 lbs. (TBC)
16	RF In/Out Connectors	Type-N / 7-16 DIN
17	Grounding	Chassis
18	Cooling	Internal Forced Air
<u>Environmental</u>		
19	Operating Temperature	0° C to +50° C
20	Operating Humidity	95% Non-condensing
21	Operating Altitude	Up to 10,000' Above Sea Level
22	Shock and Vibration	Normal Truck Transport

Specifications subject to change without notice.

PRELIMINARY SPECIFICATIONS

ORDERING MODELS

- ◇ RE - Rear RF Connectors with Remote Control Option
- ◇ FE - Front RF Connectors with Remote Control Option
- ◇ RT - RE model w/Ethernet Interface
- ◇ FT - FE model w/Ethernet Interface

CIRCUIT PROTECTIONS

- ◇ Thermal Overload
- ◇ Over Voltage
- ◇ Excess VSWR
- ◇ Automatic Shutdown for internal module failure.