



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 6011
100 - 1000 MHz
250 WATTS
RF AMPLIFIER FOR NMR

Solid State Broadband High Power RF Amplifier

The 6011 is a 250 Watt broadband amplifier that covers the 100 – 1000 MHz frequency range. This small and lightweight amplifier utilizes Class A/AB linear power devices that provide an pulse performance for NMR application.

Due to robust engineering and employment of the most advanced devices and components, this amplifier achieves high efficiency operation with proven reliability.

<u>Electrical</u>	<u>Parameter</u>	<u>Specification @ 25° C</u>
1	Frequency Range	100 – 1000 MHz
2	Saturated Output Power	250 Watts min
3	Power Output @ 1dB Comp.	150 Watts min
4	Small Signal Gain	+55 dB min
5	Small Signal Gain Flatness	± 2.5 dB max
6	Blanking	TTL
7	Rise and Fall time	25nS typ.
8	Blanking Isolation	50dB min
9	Blanking speed	1uS Typ.
10	Input VSWR	2:1 max
11	Harmonics	-20 dBc typical @ 150 Watts
12	Spurious Signals	> -60 dBc typical @ 150 Watts
13	AC Input Power	2500 Watts max
14	AC Input	180 – 240 VAC, single phase
15	RF Input	0 dBm Max
16	Noise Figure	10dB Max.
<u>Mechanical</u>		
17	Dimensions	19" x 10.5" x 26"
18	Weight	130 lb. max
19	Connectors	Type-N
20	Grounding	Chassis
21	Cooling	Internal Forced Air
<u>Environmental</u>		
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

CIRCUIT PROTECTIONS

- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage
- ◇ Open and Short Protection

CONTROL & INDICATIONS

- ◇ AC Circuit Breaker
- ◇ TTL Control for Blanking (BNC)
- ◇ Temperature Fault

ORDERING MODELS

- ◇ R - Rear Panel Connectors
- ◇ F - Front Panel Connectors

