

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 4060

1.85 - 2.17 GHz 120 WATTS LINEAR POWER RF AMPLIFIER

Solid State Band-specific High Power RF Amplifier

The 4060 is a 120 Watt band-specific amplifier that covers the 1.85-2.17 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. Like all OPHIR_{RF} amplifiers, the 4060 comes with an extended multiyear warranty.

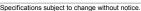
CIRCUIT PROTECTIONS

◊ Infinite Load VSWR◊ Over Temperature

ORDERING MODELS

- ♦ F Front Panel Connectors
- ◊ RE R model w/Control Option
- ◊ FE F model w/Control Option
- ◊ RT RE model w/Ethernet Interface
- ◊ FT FE model w/Ethernet Interface

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	1.85 – 2.17 GHz
2	Saturated Output Power	120 Watts typical
3	Power Output @ 1dB Comp.	100 Watts min
4	Power Output @ CDMA	25 Watts typical
5	Small Signal Gain	+53 dB min
6	Small Signal Gain Flatness	<u>+</u> 1.0 dB max
7	IP ₃	+60 dBm typical
8	Input VSWR	2:1 max
9	Harmonics	-20 dBc typical @ 100 Watts
10	Spurious Signals	> -60 dBc typical @ 100 Wats
11	Input/Output Impedance	50 Ohms nominal
12	AC Input Power	1000 Watts max
13	AC Input	100 – 240 VAC, single phase
14	RF Input	+10 dBm max
15	RF Input Signal Format	CW/AM/FM/PM/Pulse
16	Class of Operation	A/AB
<u>Mechanical</u>		
17	Dimensions	19" x 7" x 20"
18	Weight	47 lb. max
19	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





RE Model Shown

Approved By:

Date: