



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 4061-002

1.80 - 2.17 GHz
200 WATTS
LINEAR POWER RF AMPLIFIER

Solid State Band-specific High Power RF Amplifier

The 4061-002 is a 200 Watt band-specific amplifier that covers the 1.80 – 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 4061-002 comes with an extended multiyear warranty.

	Parameter	Specification @ 25° C
<u>Electrical</u>		
1	Frequency Range	1.80 – 2.17 GHz
2	Saturated Output Power	200 Watts typical
3	Small Signal Gain	+53 dB min
4	Small Signal Gain Flatness	± 1.0 dB max
5	Harmonics	-20 dBc typical @ 120 Watts
6	Spurious Signals	< -60 dBc typical @ 200 Watts
7	Input/Output Impedance	50 Ohms nominal
8	AC Input Power	1100 Watts max
9	AC Input	100 – 240 VAC, single phase
10	RF Input	+10 dBm max
11	RF Input Signal Format	CW/AM/FM/PM/Pulse
12	Class of Operation	A/AB
<u>Mechanical</u>		
13	Dimensions	19" x 7.0" x 20"
14	Weight	45.5 lbs.
15	Connectors	Type-N
16	Grounding	Chassis
17	Cooling	Internal Forced Air
<u>Environmental</u>		
18	Operating Temperature	0° C to +50° C
19	Operating Humidity	95% Non-condensing
20	Operating Altitude	Up to 10,000' Above Sea Level
21	Shock and Vibration	Normal Truck Transport

Rev. 3

CIRCUIT PROTECTIONS

- ◇ Thermal Overload
- ◇ Over Current
- ◇ Over Voltage

ORDERING MODELS

- ◇ RE - R model w/Control Option
- ◇ FE - F model w/Control Option
- ◇ RT - RE model w/Ethernet Interface
- ◇ FT - FE model w/Ethernet Interface



RE Model Shown