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MODEL 4061-005

1.78 - 1.82 GHz
200 WATTS
LINEAR POWER RF AMPLIFIER

Solid State Band-specific High Power RF Amplifier

The 4061-005 is a 200-Watt band-specific amplifier that covers the 1.78 – 1.82 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 4061-005 comes with an extended multiyear warranty.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	1.78 – 1.82 GHz
2	Saturated Output Power	200 Watts typical
3	Small Signal Gain	+54 dB min
4	Small Signal Gain Flatness	± 0.5 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	1200 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	Output Reflection	Full protection due to internal Isolator
13	Class of Operation	A/AB
Mechanical		
14	Dimensions	19” x 7.0” x 20”
15	Weight	47 lbs.
16	Connectors	Type-N
17	Grounding	Chassis
18	Cooling	Internal Forced Air
Environmental		
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

CIRCUIT PROTECTIONS:

- ◊ Thermal Overload
- ◊ Over Current
- ◊ Over Voltage
- ◊ Full output reflection due to internal Isolator

- ◊ RE – Rear RF Connector model with Front Panel Controller Ethernet, IEEE-488 and RS232
- ◊ FE – Front RF Connector model with Front Panel Controller Ethernet, IEEE-488 and RS232
- ◊ R – Rear RF Connector model
- ◊ F – Front RF Connector model

FE Model Shown

10/12 Approved By: _____ Date: _____