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MODEL 5063A-004

1.0 - 2.0 GHz
200 WATTS

Solid State Broadband High Power RF Amplifier

The 5063A-004 is a 200 Watt broadband amplifier that covers the 1.0 – 2.0 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 5063A-004 comes with an extended

	Parameter	Specification @ 25° C
<u>Electrical</u>		
1	Frequency Range	1.0 – 2.0 GHz
2	Saturated Output Power	200 Watts typical
3	Power Output @ 1dB Comp.	160 Watts min
4	Small Signal Gain	+54 dB min
5	Small Signal Gain Flatness	± 2.0 dB max
6	IP ₃	+62 dBm typical
7	Input VSWR	2:1 max
8	Noise Figure	10 dB
9	Harmonics	-20 dBc typical @ 160 Watts
10	Spurious Signals	> -60 dBc typical @ 160 Watts
11	Input/Output Impedance	50 Ohms nominal
12	AC Input Power	1500 Watts max
13	AC Input	220 VAC, single phase, 50 Hz
14	RF Input RF Input Overdrive	0 dBm nominal +10 dBm max
15	RF Input Signal Format	CW/AM/FM/PM/Pulse
16	Class of Operation	A/AB Linear
<u>Mechanical</u>		
17	Dimensions	19" x 8.75" x 22"
18	Weight	80 lb. max
19	Connectors	Type-N (Rear Panel)
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

CIRCUIT PROTECTIONS

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

INCLUDED FEATURES

- ◇ RS-232 Communications Interface
- ◇ Rear Panel Connectors
- ◇ ALC + Gain Adjust (25 dB nominal)
- ◇ LCD Digital Display
- ◇ Rack Mountable



FE Model Shown