OPHIR_RF

MODEL 5063A-030

0.8 - 2.0 GHz
200 WATTS
LINEAR POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 5063A-030 is a 200 Watt broadband amplifier that covers the 0.8 – 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-030 comes with an extended multiyear warranty.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	0.8 – 2.0 GHz
2	Saturated Output Power	200 Watts typical
3	Power Output @ 1dB Comp.	150 Watts min
4	Small Signal Gain	+54 dB min
5	Small Signal Gain Flatness	$\pm$ 2.0 dB max
6	IP_3	+62 dBm typical
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical @ 150 Watts
9	Spurious Signals	< -60 dBc typical @ 150 Watts
10	Input/Output Impedance	50 Ohms nominal
11	AC Input Power	1500 Watts max
12	AC Input	100 – 240 VAC, single phase
13	RF Input	+10 dBm max
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
15	Class of Operation	A/AB
Mechanical		
16	Dimensions	19" x 8.75" x 20"
17	Weight	80 lb. max
18	Rack Mountable Slides and Support Bracket	18" slides (37" wingspan)
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

Specifications subject to change without notice.

CIRCUIT PROTECTIONS
◊ Thermal Overload

Features: Chassis Mount Slides, 18"

ORDERING MODELS
◊ R   - Rear Panel Connectors
◊ F   - Front Panel Connectors
◊ RE - R model w/Control Option
◊ FE   - F model w/Control Option

FE Model Shown