OPHIR RF
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MODEL 4063

2.11 - 2.17 GHz
50 WATTS
LINEAR POWER RF AMPLIFIER

Solid State Band-specific High Power RF Amplifier

The 4063 is a 50 Watt band-specific amplifier that covers the 2.11-2.17 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 4063 comes with an extended multiyear

	Parameter	Specification @ 25 ºC
Electrical		
1	Frequency Range	2.11 – 2.17 GHz
2	Saturated Output Power	50 Watts typical
3	Power Output @ 1dB Comp.	40 Watts min
5	Small Signal Gain	+48 dB min
6	Small Signal Gain Flatness	± 0.75 dB max
7	IP_3	+56 dBm typical
8	Input VSWR	2:1 max
9	Harmonics	-20 dBc typical @ 40 Watts
10	Spurious Signals	< -60 dBc typical @ 40 Watts
11	Input/Output Impedance	50 Ohms nominal
12	AC Input Power	250 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
Mechanical		
17	Dimensions	19” x 3.5” x 18”
18	Weight	36 lb. max
19	Connectors	Type-N
20	Grounding	Chassis
21	Cooling	Internal Forced Air
Environmental		
22	Operating Temperature	0º C to +50º 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
◊ Over Current
◊ Over Voltage

ORDERING MODELS

◊ R - Rear Panel Connectors
◊ 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

RE Model Shown