



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 5063ART-001

**0.8 - 2.0 GHz**  
**200 WATTS**  
**LINEAR POWER RF AMPLIFIER**

### Solid State Broadband High Power RF Amplifier

The 5063ART-001 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 3<sup>rd</sup> 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<sub>RF</sub> amplifiers, the 5063ART-001 comes with an extended

	Parameter	Specification @ 25° C
<b><u>Electrical</u></b>		
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	± 2.0 dB max
6	IP <sub>3</sub>	+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
16	Sampling Port	30 dB typ, Type-N rear
<b><u>Mechanical</u></b>		
17	Dimensions	19" x 8.75" x 20"
18	Weight	80 lb. max
19	Connectors	Type-N
20	Grounding	Chassis
21	Cooling	Internal Forced Air
<b><u>Environmental</u></b>		
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

### 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



FE Model Shown