



5300 Beethoven Street, Los Angeles, CA 90066  
TEL: (310)306-5556 • FAX: (310)577-9779  
WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

## MODEL 5303064

**0.15 - 230 MHz**  
**250 WATTS**

### **Solid State Broadband High Power RF Amplifier**

The 5303064 is a 250 Watt broadband amplifier that covers the 0.15 – 230 MHz 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 5303064 comes with an extended

	Parameter	Specification @ 25° C
<b><u>Electrical</u></b>		
1	Frequency Range	0.15 – 230 MHz
2	Saturated Output Power	250 Watts typical
3	Power Output @ 1dB Comp.	150 Watts min
4	Small Signal Gain	+16 dB min
5	Gain Flatness	± 1.5 dB max
6	IP <sub>3</sub>	+58 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	DC Input Current	20 Amps max
12	DC Input	28 VDC nominal
13	RF Input	+37 dBm
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
15	Class of Operation	AB
<b><u>Mechanical</u></b>		
16	Dimensions (with Heatsink)	16" x 9.8" x 4"
17	Weight	20 lb. max
18	Connectors	SMA female
19	Grounding	Chassis
20	Cooling	Adequate Heatsink Required
<b><u>Environmental</u></b>		
21	Operating Temperature	0° C to +50° C
22	Operating Humidity	95% Non-condensing
23	Operating Altitude	Up to 10,000' Above Sea Level
24	Shock and Vibration	Normal Truck Transport

Specifications subject to change without notice.