



5300 Beethoven Street, Los Angeles, CA 90066
 TEL: (310)306-5556 • FAX: (310)821-7413
 WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

MODEL 5303136
6.0-18.0 GHz
30 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 5303136 is a 30 Watt broadband amplifier that covers the 6.0-18.0 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 5303136 comes the OPHIR_{RF} total commitment to quality

Specifications subject to change without notice.

	<u>Parameter</u>	<u>Specification @ 25° C</u>
<u>Electrical</u>		
1	Frequency Range	6.0-18.0 GHz
2	Saturated Output Power	30 Watts typical
3	Small Signal Gain	+40 dB min
4	Stability	Stable into any load
5	Gain Flatness	± 3.0 dB max
6	*IP ₃	+43 dBm typical
7	Output VSWR	1.5:1 typical
8	Input VSWR	1.5:1 typical
9	Harmonics	-40 dBc max @ 10 Watts
10	Spurious Signals	< -60 dBc max
11	Gain Stability over Temperature	+/- 2.8dB
12	Input/Output Impedance	50 Ohms nominal
13	Power Supply	230VDC, 50Hz Optional 28VDC or 48VDC
14	RF Input Signal Format	CW/AM/FM/PM/Pulse
<u>Mechanical</u>		
15	Connectors	SMA female
16	I/O Connector	MS-3102 Bulkhead Connector for Power
17	Grounding	Chassis
18	Cooling	Adequate Heatsink Required (Included), with fans (Included)
<u>Environmental</u>		
19	Baseplate Temperature	-20° C to +60° C
20	Operating Humidity	95% Non-condensing
21	Operating Altitude	Up to 10,000' Above Sea Level
22	Shock and Vibration	Normal Truck Transport

