



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 5303110
3.0 - 3.3 GHz
25 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Band-specific High
 Power RF Amplifier**

The 5303110 is an 25 Watt broadband amplifier that covers the 3.0 – 3.3 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.

	<u>Parameter</u>	<u>Specification @ 25° C</u>
<u>Electrical</u>		
1	Frequency Range	3.0 – 3.3 GHz
2	Saturated Output Power	25 Watts typical Up to 2dB degradation @ 2.9GHz
3	Power Output @ 1dB Comp.	16 Watts min Up to 2dB degradation @ 2.9GHz
4	Small Signal Gain	+25 dB min
5	Gain Flatness	± 2 dB max
6	IP ₃	+54 dBm min
7	Input / Output VSWR	1.5:1 max
8	Harmonics	-20 dBc typical
9	Spurious Signals	< -60 dBc max
10	Input / Output Impedance	50 Ohms nominal
11	DC Input Current	11Amps max
12	DC Input	12 VDC nominal
13	RF Input Signal Format	CW/AM/FM/PM
14	Class of Operation	A/AB
<u>Mechanical</u>		
15	Dimensions	6.55" x 4" x 1.1"
16	Weight	3 lb. max
17	Connectors	SMA female
18	Grounding	Chassis
19	Cooling	Adequate Heat sink Required
<u>Environmental</u>		
20	Baseplate Temperature	0° C to +50° C
21	Operating Humidity	95% Non-condensing
22	Operating Altitude	Up to 10,000' Above Sea Level
23	Shock and Vibration	Normal Truck Transport