



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 5302385

4.4 - 5.5 GHz
40 WATTS
LINEAR POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 5302385 is a 40 Watt broadband amplifier that covers the 4.4 – 5.5 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.



	Parameter	Specification @ 25° C
<u>Electrical</u>		
1	Frequency Range	4.4 – 5.5 MHz
2	Output power @ Psat	40 Watts min
3	Small Signal Gain	+47 dB min
4	Small Signal Gain Flatness	+/-1.5 dB max
5	Input /Output VSWR	2:1 max
6	Harmonics	-20 dBc max
7	Spurious Signals	-60 dBc max
8	Input/Output Impedance	50 Ohms nominal
9	DC Input Power	10A max
10	DC Input	28 VDC
11	RF Input Power	0 dBm nominal
12	RF Input Signal Format	CW/AM/FM/PM/Pulse
13	Class of Operation	A/AB
14	Module Blanking	TTL : 5V for On
15	Blanking speed	5uS

<u>Mechanical</u>		
16	Dimensions	6" x 3" x 1"
17	Weight	2 lb. max
18	Connectors	Field removable SMA for RF input and output Feed Thrus for VCC, Ground and Blanking
19	Grounding	Chassis
20	Cooling	Adequate Heatsink Required
<u>Environmental</u>		
21	Baseplate Temperature	-20° C to +71° C
22	Operating Humidity	95% Non-condensing
23	Operating Altitude	Up to 10,000' Above Sea Level
24	Shock and Vibration	Normal Truck Transport