



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

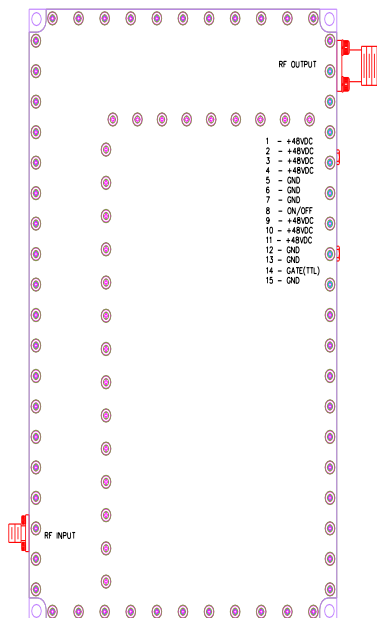
MODEL 5302388

2.7 - 3.1 GHz
150 WATTS
PULSE RF AMPLIFIER

Solid State High Power Pulse RF Amplifier

The 5302388 is a 150 Watt pulse amplifier that covers the 2.7 - 3.1 GHz frequency range. This small and lightweight amplifier utilizes Class AB linear power devices that provide an excellent efficiency, 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
Electrical		
1	Frequency Range	2.7 – 3.1 GHz
2	Peak Output Power	150 Watts min.
3	Pulse Width	2 - 100µS RF max.
4	RF Rise/Fall Time	50 ns max.
	Duty Cycle	20% maximum
5	Power Gain	+55 dB min.
6	Power Gain Flatness	± 1.5 dB max.
7	Input and Output VSWR	2:1 max.
8	Harmonics	-20 dBc max.
9	Spurious Signals	< -60 dBc max.
10	Remote Enable	5V to Enable 0V to Disable
11	TTL Gate Control	5V to Enable 0V to Disable 500 ns typ. On/Off
12	DC Input Voltage	+48V
13	Efficiency at Peak Power	25% min.
14	RF Input Signal Format	Pulse
15	Class of Operation	AB
16	Reverse Power Protection	Internal Isolator
Mechanical		
17	Dimensions	6" x 10" x 3.5" max w/ Heat sink and Fans
18	Weight	5 lb. max
19	Connectors	SMA for RF Input N Type for RF Output 15-pin D-Sub for DC Power and Signals
20	Grounding	Chassis
21	Cooling	Includes Heat Sink And Fans
Environmental		
22	Baseplate Temperature	-20° C to +85° C
23	Operating Humidity	100% Condensing
24	Operating Altitude	Up to 10,000' Above Sea Level
25	Shock and Vibration	MIL-STD-810F

Specifications subject to change without notice