



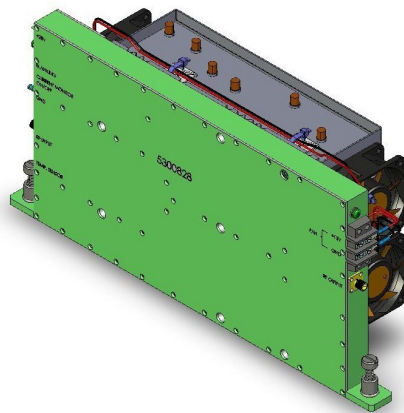
5300 Beethoven Street, Los Angeles, CA 90066
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 WEB: www.ophirrf.com • E-MAIL: sales@ophirrf.com

MODEL 5800828
800 - 4200 MHz
80 WATTS
LINEAR POWER RF AMPLIFIER

**Solid State
 Broadband High
 Power RF Amplifier**

The 5800828 is a 80 Watt broadband amplifier that covers the 0.8 – 4.2 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	800 – 4200 MHz
2	Output power @ Psat	80 Watts min @ 2 to 4 GHz
3	Small Signal Gain	+14 dB min
4	Power Gain Flatness	3 dB peak to peak 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	16A max
10	DC Input	28 VDC
11	Class of Operation	A/AB
12	Interface	Fast Blanking: 5V for Enable Enable: 5V for enable Current monitor Temp sensor: LM35
<u>Mechanical</u>		
13	Dimensions	14" x 6.5" x 3.5"
14	Weight	10 lb. max
15	Connectors	SMA for RF in/output Feed-thru's for control and indications
16	Grounding	Chassis
17	Cooling	Internal Fan
<u>Environmental</u>		
18	Ambient Temperature	0° C to +50° C
19	Operating Humidity	95% Non-condensing
20	Operating Altitude	Up to 10,000' Above Sea Level
21	Shock and Vibration	Normal Truck Transport

Specifications subject to change without notice



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