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MODEL 5303126

0.7 - 2.5 GHz
30 WATTS
POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 5303126 is a 30 Watt broadband amplifier that covers the 0.7 – 2.5 GHz frequency range. This small and lightweight amplifier utilizes Class A/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	0.7 – 2.5GHz
2	Saturated Output Power	30 Watts Minimum
4	Small Signal Gain	+46 dB min
5	Power Gain Flatness	± 1.25 dB max
7	Input VSWR	2:1 max
8	Harmonics	-15 dBc typical
9	Spurious Signals	< -60 dBc typical
10	Remote shut down	5V to Enable 0V to Disable
11	Blanking	TTL "High" is Enable TTL "Low" is blanked
12	Blanking speed	5uS max. On/Off, Off/On
13	DC Consumption	150W Maximum at 30 Watts
14	DC Input Voltage	28VDC Nominal
15	RF Input drive required For full rated power	0dBm nominal
16	RF Input Signal Format	CW/AM/FM/PM/Pulse
17	Class of Operation	A/AB
Mechanical		
18	Dimensions (L x W x H)	6.4" x 3.4" x 1.25"
19	Weight	3 lb. max
20	Connectors	SMA female for RF D-Sub Connector for DC
21	Grounding	Chassis
22	Cooling	Adequate Heatsink Required
Environmental		
23	Base plate Temperature	-40° C to +85° C
24	Operating Humidity	95% Non-condensing
25	Operating Altitude	Up to 10,000' Above Sea Level
26	Shock and Vibration	MIL-STD-810F (Method 516.5)

Specifications subject to change without notice



Approved By: _____ Date: _____