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MODEL 5302380

1.2 - 1.6 GHz
30 WATTS
POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 5302380 is a 30 Watt broadband amplifier that covers the 1.2 – 1.6 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	1.2 – 1.6GHz
2	Saturated Output Power	30 Watts minimum
4	Small Signal Gain	+45 dB min
5	Power Gain Flatness	± 0.75 dB max
7	Input VSWR	2:1 max
8	Harmonics	-20 dBc typical
9	Spurious Signals	> -60 dBc typical
10	DC Consumption	100W maximum
11	DC Input Voltage	28V
12	RF Input drive required For a rated power	0dBm nominal
13	VSWR Protection	Protected by Isolator
14	Class of Operation	AB
15	TTL Blanking	5V - Enable 5uS On/Off
Mechanical		
16	Dimensions	3.0" x 6.5" x 1"
17	Weight	2 lb. max
18	Connectors	SMA female for RF Feed Thru for DC
19	Grounding	Chassis
20	Cooling	Adequate Heatsink Required
Environmental		
21	Baseplate Temperature	-10° C to +60° C
22	Operating Humidity	95% Non-condensing
23	Operating Altitude	Up to 10,000' Above Sea Level
24	Shock and Vibration	Normal truck transportation

