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MODEL 5304006-045

0.4 - 3.0 GHz
6 to 10 WATTS
POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 5304006-045 is a 6 to 10 Watt broadband amplifier that covers the 0.4 – 3.0 GHz frequency range. This small and lightweight amplifier utilizes Class A 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
<u>Electrical</u>		
1	Frequency Range	0.4 – 3.0 GHz
2	Saturated Output Power	6W min from 0.4 to 0.5GHz 10 W min > 0.5GHz
3	Small Signal Gain	+38 dB min
4	Power Gain Flatness	± 2.0 dB max
5	Input VSWR	2:1 max
6	Harmonics	-15 dBc typical
7	Spurious Signals	< -60 dBc typical
8	Remote shut down	5V to Enable 0V to Disable
9	DC Input Current	5.0 A Max
10	DC Input Voltage	28 VDC nominal
11	RF Input Signal Format	CW/AM/FM/PM/Pulse
12	Class of Operation	A to A/B
<u>Mechanical</u>		
13	Dimensions	7.0" x 5.0" x 1.1"
14	Weight	2 lb. max
15	Connectors	RF In/Out, SMA female
16	Grounding	Chassis
17	Cooling	Adequate Heatsink Required
<u>Environmental</u>		
18	Baseplate Temperature	0° C to +60° C
19	Operating Humidity	95% Non-condensing
20	Operating Altitude	Up to 10,000' Above Sea Level
21	Shock and Vibration	MIL-STD-810F

Specifications subject to change without notice