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MODEL 5304006-043

0.5 - 3.0 GHz
20 WATTS
POWER RF AMPLIFIER

Solid State Broadband High Power RF Amplifier

The 5304006-043 is a 20 Watt broadband amplifier that covers the 0.5 – 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.

D-SUB 9 PIN OUT

- 1 N/C
- 2 N/C
- 3 N/C
- 4 N/C
- 5 S/D (TTL, Active Low)
- 6 +28VDC
- 7 +28VDC
- 8 GND
- 9 GND

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	0.5 – 3.0 GHz
2	Saturated Output Power	20 Watts typ.
3	Small Signal Gain	+44 dB min
4	Power Gain Flatness	± 1.5 dB max
5	Input VSWR	2:1 typical
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
Mechanical		
13	Dimensions	7.0" x 5.0" x 1.1"
14	Weight	2 lb. max
15	Connectors	RF In/Out, SMA female Control, D-sub 9 Pin, Female
16	Grounding	Chassis
17	Cooling	Adequate Heatsink Required
Environmental		
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



Representation of 5304006-043