

Solid State Power Amplifier



High Power Multi-Channel SSPA SSPA 0.001-1.000-500-RM

The SSPA 0.001-1.000-500-RM high-power, Solid State Power Amplifier (SSPA) is mounted in a standard 19" rack cabinet. It is ideal as a commercial indoor unit that can output 500 Watts of RF power from 1 MHz to 1 GHz. The unit features an integrated AC power supply, touch screen for monitoring and control, and automatic level control (ALC).



This is an example of an Aethercomm standard product. Aethercomm designs and manufactures high performance, high power CW or pulsed SSPA's for commercial, military and satellite communications customers.

- 500W CW Output Power
- 1 MHz to 1 GHz Operation
- 57 dB Gain
- Operates from 208Vac Supply Single Phase
- Touch Screen and GPIB Controls
- BIT and Protection Features on Rack
- Forward Power Sample Port

Insertion Loss	960
Operating Frequency (MHz)	1 – 1000 MHz
RF Output Power (Psat) 500 watts CW	500 watts CW (Adjustable from 10W to 500W)
Gain	57 ± 0.7 dB (Adjustable from 40dB to 57dB)
Forward Power Coupling	40dBc
Digital Forward Power Monitor Accuracy	±1.5dB
Controls	Touch Screen and GPIB Messages
AC Power	208Vac Single Phase
AC Power	-50 dBc max.
Spurious Signals	-60 dBc max.
Duty Cycle	100%
Characteristic Input/ Output Impedance	50 ohms
Dimensions	19-Inch Rack Cabinet (22.5"W x 31.5"D x 42.6"H)



Aethercomm Inc. reserves the right to make changes without further notice. Aethercomm recommends that before these items herein are specified into a system or critical application that the performance characteristics be verified by contacting the factory.

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