

## Solid State Power Amplifier



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

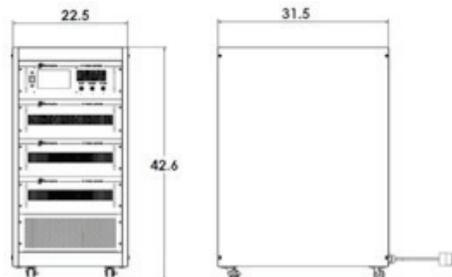
The SSPA 0.001-1.000-500-RM high-power, Solid State Power Amplifier (SSPA) is mounted in a standard 19" rack cabinet. It is ideal as a commercial indoor unit that can output 500 Watts of RF power from 1 MHz to 1 GHz. The unit features an integrated AC power supply, touch screen for monitoring and control,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

**Aethercomm, Inc.**

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