



Pulsed Rack Mounted High Power Amplifier Solid State RF Amplifier

Aethercomm Model Number SSPA 0.35-0.50-100-RM is a high power CW or pulsed RF amplifier that operates from 350 to 500 MHz in a rack mounted configuration. This rack mount product is capable of operation from 20MHz to 1000 MHz in bands or over the full bandwidth. Please contact the factory with any questions that you may have about options. It is packaged in a 3u high, 19 inch rack mounted enclosure. This amplifier has a typical output power of 200 watts at P3dB. This amplifier offers a typical small signal gain of 55 dB with a typical power flatness of ± 0.5 dB. Input and output VSWR is 1.5:1 maximum. This RF rack mounted amplifier operates from 115VAC but can be configured to operate from any AC voltage specified. There are forward and reflected power RF sample ports. Test data can be found on page two of this data sheet.

The output is fully protected from an infinite VSWR at the RF output port. The input RF connector is type N Female. The output RF connector is a type N female. The RF sample ports are SMA female. There is a nine pin DSUB connector on the back of the unit that allows the amplifier to be commanded on and off in 5uSec typical. Contact the factory with any questions on the performance or capabilities of this amplifier. There are multiple fans that form the internal thermal management system.

- Operation from 350 MHz to 500 MHz min
- Can Be Modified for Operation from 20 to 1000 MHz
- 200 Watts Peak Output Power Typical
- 115 VAC Operation



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.

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.

SSPA 0.35-0.50-100-RM**SSPA 0.35-0.50-100-RM Typical Performance @ 25°C**

Freq (MHz)	CW Output Power @ P3dB (dBm)	115 VAC Current at P3dB (Amps AC)	Small Signal Gain (dB)
350	52.9	6.4	55.1
387	53.0	7.0	56.7
425	53.0	6.5	56.0
462	52.8	6.0	55.9
500	53.0	6.0	55.6