



PSSA-1G2.5G-500

500W CW SS Amplifier

Solid State Power RF Amplifier

The PSSA-1G2.5G-500 is a Solid State 500W (CW) Commercial RF Amplifier which covers frequency range from 1000MHz to 2500MHz. This amplifier can achieve high efficiency operation with proven reliability as is designed with the robust engineering and employment of the most advanced devices and components. The amplifier comes with 1 year warranty.

Parameter	Specification
<u>Electrical</u>	
Frequency Range	1-2.5GHz
Output Power	500W CW, 400W @ P1dB
Internal Protection	Up to 0dBm with no damage
Gain @ rated power	57dB min.
Gain Adjustment	0 to 30dB
Input /Output Impedance	50 ohms(VSWR 2.0:1)
RF Input/Sample Connectors	Type N Female
RF Output Connector	Type 7/16 Female
Modulation	AM / FM / Pulse
Spurious	-50dBc
Harmonics	2 nd , -20dBc Typical@ P1dB 3 rd , -15dBc Typical @ P1dB
Prime Power	115/220V AC +/-10%, 50/60 Hz, Three Phase, 5 wires
Consumption	4.5KVA
<u>Mechanical</u>	
Configuration	Racks mounts, 2 Drawers of 19"W x 26.13"D x 10.5"H each
Cooling System	Air cooled ,self contained
Shock	MIL-STD-810C, method 516.2
Vibration	MIL-STD-810C, method 514.2
Temperature	0° to 45°C
Non-operating temp	0° to 60°C
Humidity	95% without condensation

THESE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



Features [Build-in]

- VSWR Protection with Power Fold back when VSWR is greater then 3:1.
- RS 232 & Ethernet Remote Control.
- Gain Control.
- Leveling Control [ALC].
- Internal Pre-Amp.
- RF Input / Output Connectors on the Rear Panel.
- Standby/RF_ON, Elapsed Time Metering in hours.
- Color TFT Touch screen Display with Front Panel Controls and Indicators.

OPTIONS

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| 001 | VSWR Protection against any output mismatch greater then 6:1; will operate without damage or oscillation against any magnitude and phase of source and load impedance. |
| 002 | Alternate Prime Power (specify at time of order). |
| 003 | USB Remote |
| 004 | Forward RF Sample Port Type N Female -60dBc nominal on the Front or Rear Panel. |
| 005 | Reflected RF Sample Port Type N Female -60dBc nominal on the Front or Rear Panel. |
| 006 | RF Input connector on the Front /Rear Panel (Specify front or rear at time of order). |
| 007 | Gain Equalizer. |
| 008 | Input Power Limiter. |
| 009 | RF Safety Interlock, type BNC Connector. |
| 010 | Pin-Diode Pulse Modulation. |
| 011 | Slides for Rack mount. |

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