



# PSSA-400M1000M-1200

## 1200W CW SS Amplifier

### Solid State Power RF Amplifier

The PSSA-400M1000M-1200 is a Solid State 1200 (CW) RF Amplifier which covers frequency range from 400MHz to 1000MHz. 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
<b><u>Electrical</u></b>	
Frequency Range	400-1000MHz
Output Power	1200W CW, 800W @ P1dB
Internal Protection	Up to 0dBm with no damage
Gain @ rated power	61dB min.
Gain Adjustment	0 to 20dB
Input /Output Impedance	50 ohms(VSWR 2.0:1)
RF Input / Output Connectors	RF Input, Type N Female RF Output, 7/16 female
Modulation	AM / FM / Pulse
Spurious	-50dBc
Harmonics	2 <sup>nd</sup> , -18dBc Typical @ P1dB 3 <sup>rd</sup> , -12dBc Typical @ P1dB
Prime Power	120V/208VAC +/-10%, 50/60 Hz, Three Phase, 5 wires, 'Y' configuration
Power Consumption	5.5KVA
<b><u>Mechanical</u></b>	
Configuration	Rack 22"W x 36.13"D x 23U panel space
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
Altitude	10, 000 feet

**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 Front 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 | Pin-Diode Pulse Modulation.  |
| 004 | Forward RF Sample Port Type N Female -50dBc nominal on the Front or Rear Panel.  |
| 005 | Reflected RF Sample Port Type N Female -50dBc nominal on the Front or Rear Panel.  |
| 006 | RF Input / Output Connectors 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 | Slides for Rack mount.   |

Distributed by

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