



PSSA-1M1000M-5

5W CW SS Amplifier

Solid State Power RF Amplifier

The PSSA-1M1000M-5 is a Solid State 5W (CW) RF Amplifier which covers frequency range from 1-1000MHz. 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
Electrical	
Frequency Range	1-1000MHz
Output Power	5W CW , 3W P1dB typical
Blanking	Mute control, TON/TOFF 450μSec typical
Gain @ rated power	37dB min.
Gain Adjustment	0 to 25dB
Input /Output Impedance	50 ohms(VSWR 2.0:1)
RF Input / Output Connectors	Type N Female
Modulation	AM / FM / Pulse
Spurious	-50dBc
Harmonics	-15dBc Typical @ P1dB
Prime Power	115Vac or 220Vac +/-10%, 50/60 Hz, Single Phase, 3 wires
Mechanical	
Configuration	Racks mounts 19"W x 26.13"D x 7"H
Cooling System	Air cooled ,self contained
Shock	MIL-STD-810C, method 516.2
Vibration	MIL-STD-810C, method 514.2
Temperature	0° to 40°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.
- Forward/Reflected Power Indication simultaneously on Front Panel display
- 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. |

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