



PSSA-1G2.5G-1000

1000W CW SS Amplifier

Solid State Power RF Amplifier

The PSSA-1G2.5G-1000 is a Solid State 1000W (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
Electrical	
Frequency Range	1-2.5GHz
Output Power	1000W CW, 700W @ P1dB
Internal Protection	Up to 0dBm with no damage
Gain @ rated power	60dB 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	9KVA
Mechanical	
Configuration	2 Racks system 42"W x 36"D x 34"H [17U P.S.]
Cooling System	Air cooled ,self contained
Shock	MIL-STD-810C, method 516.2
Vibration	MIL-STD-810C, method 514.2
Environmental	
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 than 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

- 001 VSWR Protection against any output mismatch greater than 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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