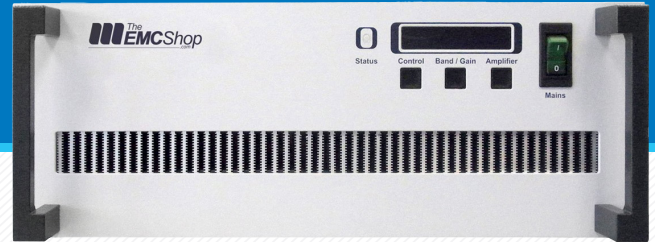


MODEL NUMBER:  
**SS1G-500**

**Solid State  
Amplifiers**



The SS1G-500 is a solid-state, air-cooled, high power broadband amplifier designed for applications where immediate bandwidth and distance is required. Available for bench-top use or with rack mounting.

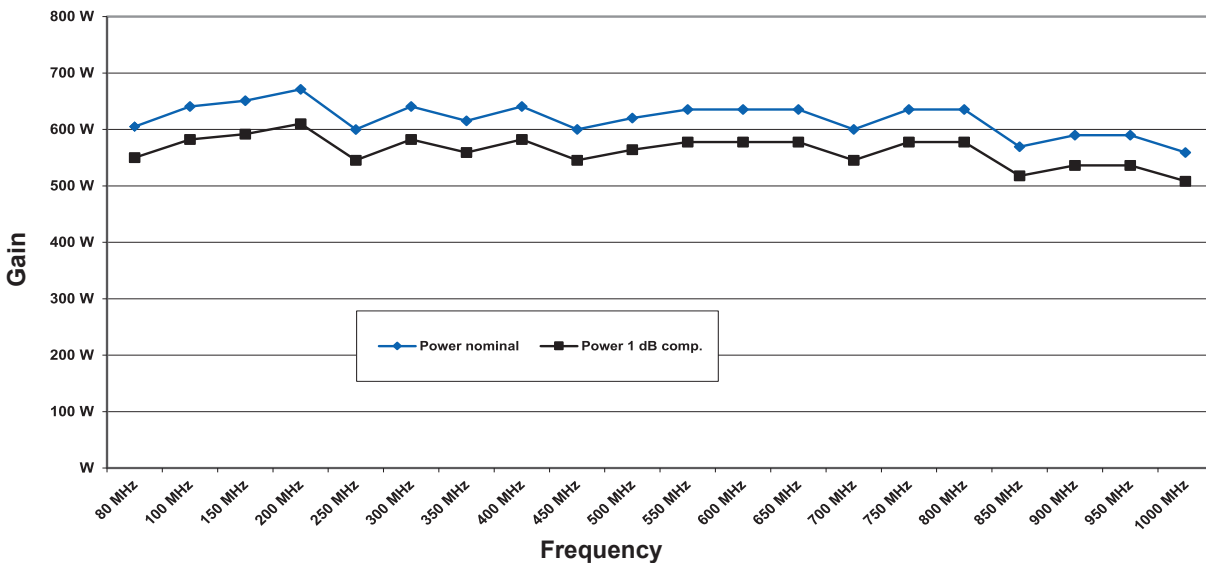
## FEATURES

- Class A-linear design
- Meets Standard MIL-STD(s)
- Compact and Robust System
- Reduced Thermal Radiation

## ELECTRICAL SPECIFICATIONS

Operating Frequency Range:	80 MHz to 1 GHz
Power Output:	500 Watts
Power Gain:	57 dB
Harmonics 2nd/ 3rd:	20/20
Spurious:	-50 dBc
Max Input Power:	up to +10 dBm for no damage
Load VSWR Protection:	2:1

## TYPICAL GAIN



## ENVIRONMENTAL CHARACTERISTICS

Ambient Temperature:	0 to +45 °C
Storage Temperature:	-20 to +85 °C
Relative Humidity:	up to 95% (non-condensing)

## MECHANICAL SPECIFICATIONS

Operating Voltage:	200 to 240 VAC $\pm$ 10%, 47 to 63 Hz
Power Consumption:	4000 VA
Dimensions WxHxD:	19 x 7 x 25 inches
Weight:	97 lbs
RF Connectors:	N-f, standard on rear panel
Cooling:	forced air with integral blower air intake from front, air exhaust at rear

