



MODEL NUMBER:
SS1G9k

**9 kHz - 1 GHz RF Power
Amplifier**

OVERVIEW

The SS1G9k are self contained, Class A, air cooled and reliable solid state rf power amplifiers with the newest state-of-the-art SSA technology. Connect the amplifier into an existing software platform and recalibrate your system fast and easily.

Frequency Range: 9 kHz - 1 GHz
Output Power (P1dB): 5 Watts to 1,000 Watts
Harmonics: 20 dBc typ
RF Connectors: N (f) - Front or Rear
Manufacturer: The EMC Shop, LLC

FEATURES

- Output Power from 5 Watts to 1 kW
- Class of Operation: A-linear
- Three-year warranty on new units
- Input Power: 0 dBm (1 mW) max.
- Overdrive Protection: up to +10 dBm for no damage
- Cooling: forced air with integral blower air intake from front, air exhaust at rear
- Input VSWR: <2:1 typ.
- Load VSWR: infinite for no damage (100% mismatch tolerant)
- PN -0.5 dB min. at VSWR 2:1
- Spurious (at PN): -60 dBc min. (excluding harmonics)
- Elapsed Time Meter: via status display

GENERAL SPECIFICATIONS

RF Input	N-f, standard on rear panel
RF Output	N-f, standard on rear panel
LAN TCP/IP Remote Control	
Mains Supply	200 - 240 V AC $\pm 10\%$, 47 - 63 Hz
Input Impedance	50 Ω nominal
Output Impedance	50 Ω nominal
Ambient Temperature	0 to +113 °F
Storage Temperature	-13 to 185 °F
Relative Humidity	up to 95% (non-condensing)
Operating Altitude	up to 6500 feet above sea level
Vibration and Shock	MIL-STD-810 G

OPTIONS

- | | |
|--|---|
| A RF-Sample Ports * | L LAN Remote Control |
| B External Dual Directional Coupler | R RS-232C/RS-485 Remote Control |
| C IEEE-488.2 GPIB Remote Control | S Internal RF Switching Unit * |
| D Front Panel RF Connectors | U USB Remote Control |
| E RF Power Indication (digital) * | W Liquid Cooling |
| F Gain Adjustment * | X External Control of other Amplifiers |
| H DC Supply | |

*May reduce output power and/or gain

