



MODEL NUMBER:
SS1G-750
SOLID STATE HIGH POWER AMPLIFIER

FEATURES:

- ✓ **RACK MOUNTED SYSTEM**
- ✓ **CLASS AB LINEAR LDMOS DESIGN**
- ✓ **INSTANTANEOUS ULTRA-WIDE BANDWIDTH**
- ✓ **DESIGNED FOR EMI/RFI, LAB, AND GENERAL COMMUNICATION APPLICATIONS**
- ✓ **SUITABLE FOR ALL SINGLE CHANNEL MODULATION STANDARDS**
- ✓ **BUILT-IN PROTECTION CIRCUITS**
- ✓ **HIGH RELIABILITY AND RUGGEDNESS**

ELECTRICAL SPECIFICATIONS: 50Ω, 25°

PARAMETER		SPECIFICATION	NOTES
Operating Frequency Range		80-1000MHz	
Power Output @ Psat		1000 Watt Min	CW
Power Output @P1dB GCP		800 Watt Min	CW
Power Gain		60 dB Min	
Power Gain Flatness		4.0 dB p-p Max	
Input Return Loss		-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)		-30 dBc Typ	50dBm/Tone, Δ = 1MHz
Harmonics	2nd	-30 dBc Typ	
	3rd	-20 dBc Typ	
Spurious		-60 dBc Max	Non-harmonics
Operating Voltage		180 - 240 VAC	
Power Consumption		5 KW Max	At rated Pout
Input Power Protection		+8dBm Max	<10 Sec without damage
Load VSWR Protection		6:1	Auto shutdown @ 6:1 VSWR

ENVIRONMENTAL CHARACTERISTICS

PARAMETER	SPECIFICATION	NOTES
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensation

MECHANICAL SPECIFICATIONS

PARAMETER	SPECIFICATION	NOTES
Dimensions W x H x D	R5U + R3U	8U Rack mount chassis
Weight	60 Kg. Max	
RF Connectors In/Out	Type-N Female / 7/16 DIN	
AC Power / Interface / Safety Interlock	MS / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	Remote Bluetooth application

OUTLINE DRAWING



