



MODEL NUMBER: SOLID STATE HIGH SS250M-1250 SOLID STATE HIGH POWER AMPLIFIER Image: Comparison of the c

ELECTRICAL SPECIFICATIONS: 25°C, 50Ω

PARAMETER	SPECIFICATION	NOTES
Operating Frequency Range	10 kHz - 250 MHz	CW
Power Output @ Psat (CW)	1250 Watt Min	1500Ѡ Тур
Power Output @ P1dB GCP	700 Watt Typ	
Power Gain	62 dB Min	0dBm or less for rated Pout
Power Gain Flatness	4 dB p-p Max	Constant input power
Gain Adjustment Range	20 dB Min	Local or remote capable
Input / Output Return Loss	-10 dB Max	
2-Tone Intermodulation (IMD)	-30 dBc Typ	52dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	At rated output
Spurious	-60 dBc Max	Non-harmonic
Operating Voltage	200 - 240 VAC	47 - 63 Hz
Power Consumption	4500 Watt Max	At rated output
Input Power Protection	+10 dBm Max ¹	
Load VSWR Protection	4 : 1: Max ²	Foldback @ preset limit
Sample Port Coupling (optional)	-60 dB	N-Female

1 Units with optional digital monitor and control, for basic units <10 Sec without damage

2 Units with optional digital monitor and control, for basic units <1 minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

PARAMETER	SPECIFICATION	NOTES
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	up to 95 %	Non-condensing
Altitude	3000 meters	
Shock & Vibration	Normal transport ³	

3 MIL Spec available for quotation

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MECHANICAL SPECIFICATIONS

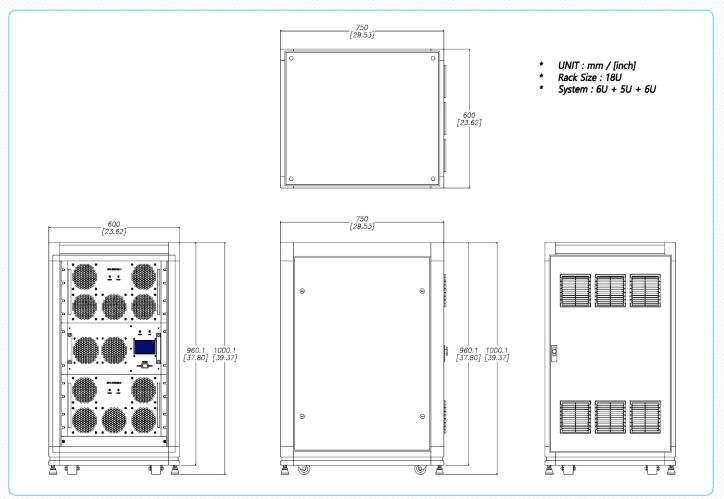
PARAMETER	SPECIFICATION	NOTES
Dimensions W x H x D	600 x 960 x 750 mm	18U without cabinet
Weight	120 Kg.	Nominal
RF Connectors In/Out/Sample	N-Female/716-Female/N-Female	Front or Rear Panel
Interface Connector	9-Pin D-Sub	Rear panel
AC Power	MS Connector	Or equivalent (IEC Connector)
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP, Safety Interlock (BNC Female on rear)	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface Safety Interlock, Open=STBY/Short=RFON	

AVAILABLE SPECIAL OPTIONS

PARAMETER	SPECIFICATION	NOTES
Option FRS: Forward RF Sample	-60dB, Type N-Female	Front or rear panel
Option RRS: Reflected RF Sample	-50dB, Type N-Female	Front or rear panel
Option GPIB: GPIB remote control	GPIB IEEE-488 Remote capability	
Included CPM: Calibrated Power Monitoring (with Option DMC purchase)	Offset correction entry for +/- 0.2dB accuracy	12-points standard⁴

OUTLINE DRAWING

SHOWN WITH OPTIONAL LCD DIGITAL CONTROLLER



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