



## AMP4062-200 SOLID STATE HIGH POWER AMPLIFIER

### FEATURES

Class AB linear GaN design  
 Instantaneous wide bandwidth  
 Suitable for CW, pulse, and all single channel modulation standards  
 Built-in protection circuits  
 High reliability and ruggedness



### ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	6.0 - 8.0 GHz	
Power Output @ Psat	200 Watt Min	Pulse or CW mode
Power Gain	53 dB Min	
Gain Adjustment Range	20 dB Typ	Manual or Remote
Power Gain Flatness	3.0 dB p-p Max	
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	43dBm/Tone, $\Delta = 1\text{MHz}$
Noise Figure	10 dB Max	
Harmonics	-20 dBc Typ	At rated output power
Spurious	-60dBc Max	Non-harmonics
Operating Voltage	180 - 240 VAC	Single phase
Power Consumption	2400 Watt Max	
Max Input Power Protection	+3 dBm	<10 Seconds without damage
Load VSWR Protection	5 : 1	<1 Minute @ rated output

### ENVIRONMENTAL CHARACTERISTICS

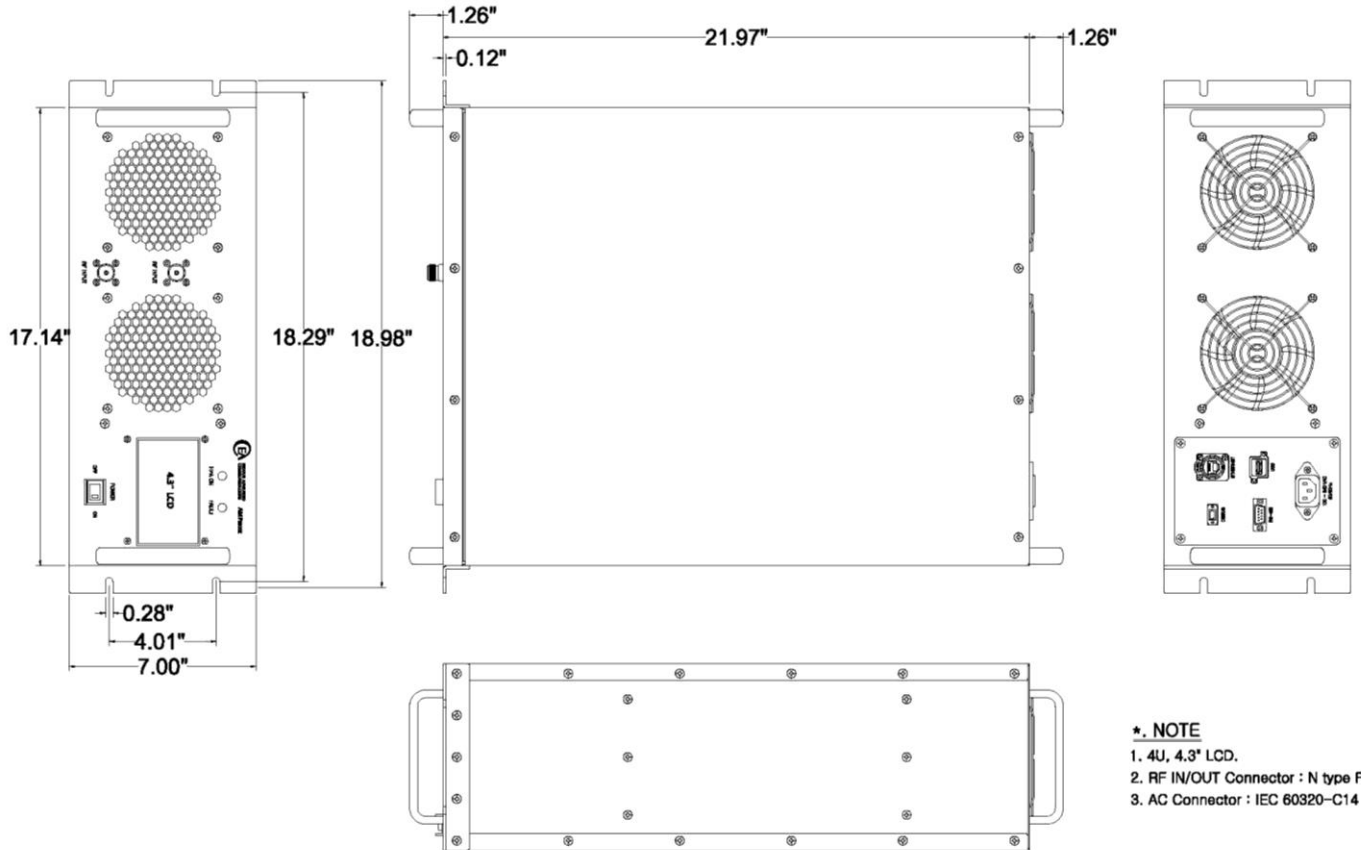
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

### MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	19" x 7" x 22" (483 x 178 x 580 mm)	4U
Weight	30 Kg.	
RF Connectors In/Out	Type-N Female	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
<b>OPTIONAL:</b> Digital Control: FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	Remote Bluetooth application

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## OUTLINE DRAWING



- \*. NOTE**
1. 4U, 4.3" LCD.
  2. RF IN/OUT Connector : N type Female
  3. AC Connector : IEC 60320-C14