

# AMP4068 SOLID STATE HIGH POWER AMPLIFIER

## FEATURES

- Rack mount system
- Class AB linear GaN design
- Instantaneous bandwidth
- Suitable for all single channel modulation standards
- Built-in protection circuits
- Optional LCD-uP remote Control & Monitoring
- High reliability and ruggedness



## ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	6.0 - 8.0 GHz	
Power Output @ Psat	40 Watt Min / 50 Watt Typ	CW
Power Output @ P1dB GCP	30 Watt Min	
Power Gain	47 dB Min	
Power Gain Flatness	2.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	37dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	
Non Harmonics Spurious	-60 dBc Max	
Operating Voltage	100 - 240 VAC	
Power Consumption	300 Watt Max	At Rated Pout
Input Power Protection	+8 dBm Max	<10 Seconds without damage
Load VSWR Protection	∞ : 1	<1 Minute @ rated output

## ENVIRONMENTAL CHARACTERISTICS

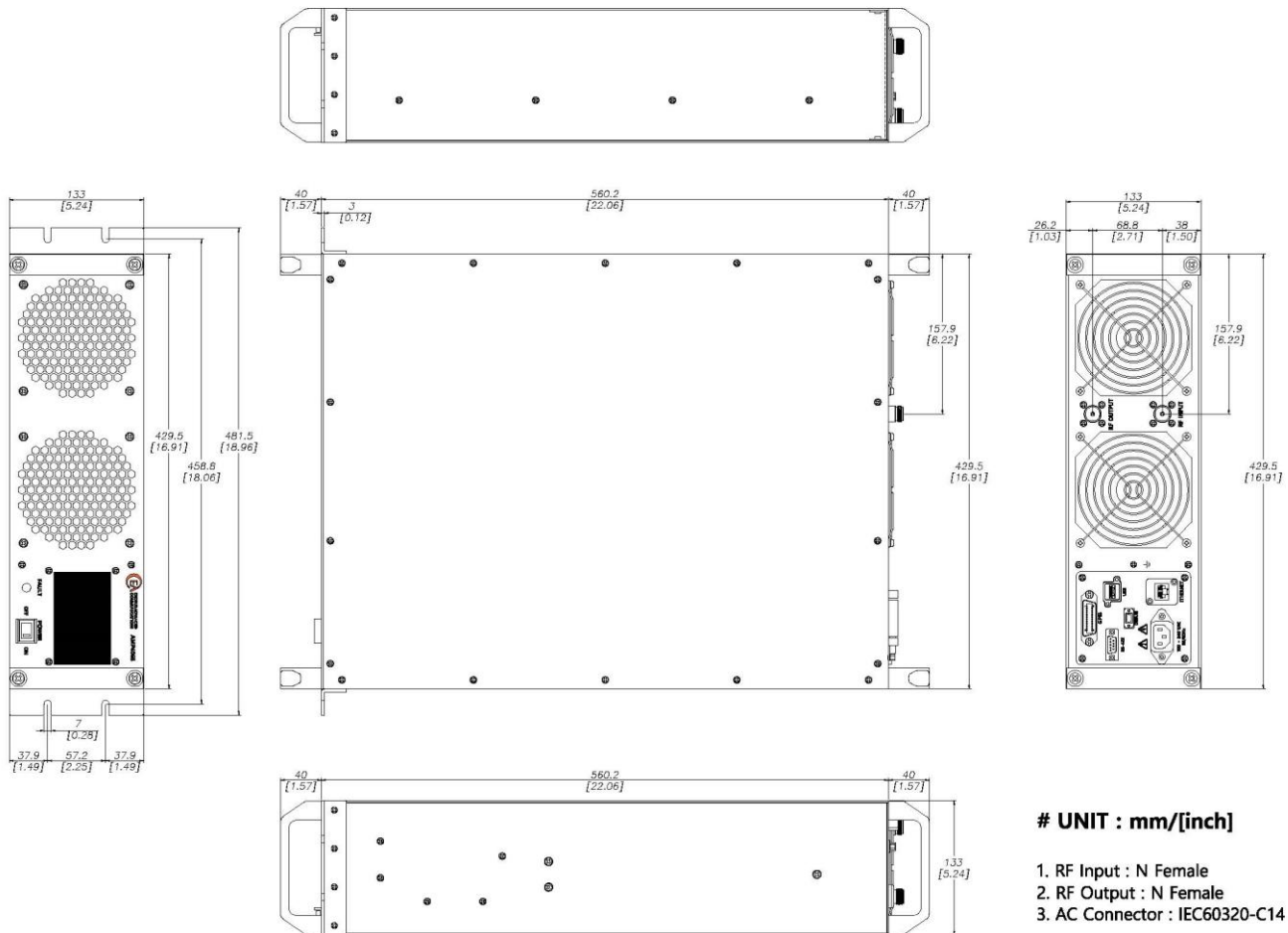
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

## MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm	3U
Weight	20 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 Monitor & 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



# UNIT : mm/[inch]

1. RF Input : N Female
2. RF Output : N Female
3. AC Connector : IEC60320-C14