



# AMP2030 SOLID STATE HIGH POWER AMPLIFIER

**PRELIMINARY**

## FEATURES

- Rack mounted system
- Class AB linear GaN design
- Instantaneous wide bandwidth
- Suitable for all modulations standards
- Built-in protection circuits
- High reliability and ruggedness



## ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	1.0 - 6.0 GHz	
Power Output @ P1dB GCP	200 Watt Min	CW
Power Gain	53 dB Min	
Power Gain Flatness	3 dB p-p Max	Constant input power
Gain Variation Over Temperature	±2.0 dB Max	
Input / Output Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	>30 dBc Typ	43dBm/Tone, Δ = 1MHz
Harmonics	>20 dBc Typ	At rated output
Non Harmonic Spurious	60 dBc Min	
Operating Voltage	180 - 240 VAC	
Power Consumption	1500 Watt Max	At rated output
Max Input Power	+10 dBm	Without damage
Load VSWR Protection	∞ : 1	

## 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

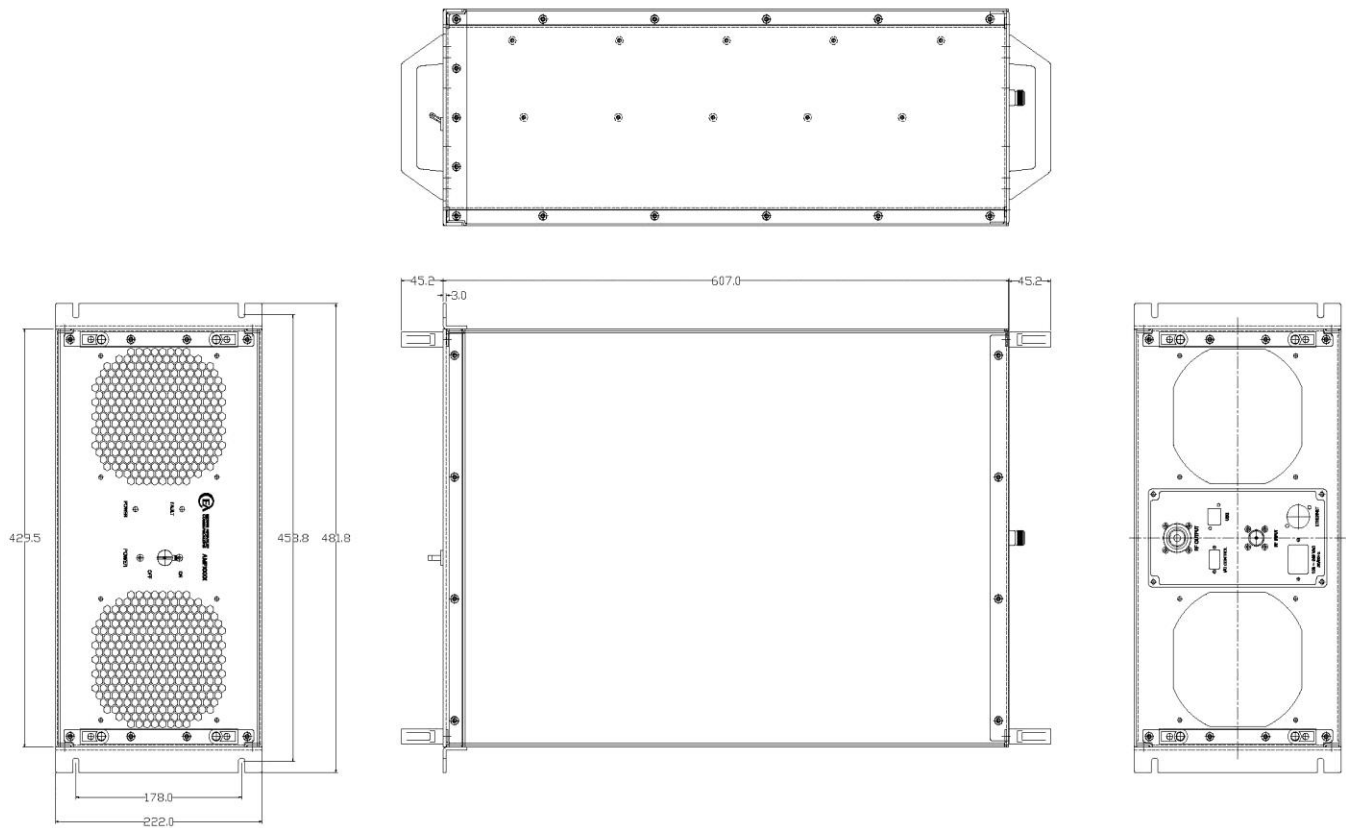
Parameter	Specification	Notes
Dimensions W x H x D	R5U Rack Mount Chassis	5U
Weight	35 Kg. Max	
RF Connectors In/Out	Type-N Female	
AC Power	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, GPIB Interface	Remote Bluetooth application

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## OUTLINE DRAWING

- 5U System Outline (Rear Connectors Input N, Output DIN)



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- 5U System Outline (Rear Connectors Input N, Output N)

