



# AMP6009P SOLID STATE HIGH POWER AMPLIFIER



## FEATURES

Designed L-Band high power pulse applications  
 Rack mounted system  
 Class AB linear GaN design  
 Built-in protection circuits  
 High reliability and ruggedness

## ELECTRICAL SPECIFICATIONS

Parameter	Specification			Notes
Operating Frequency Range	1.575 GHz			Nominal
Power Output Pulse	2000 Watt Min			Peak Pulse
Input Pulse Characteristics	Width	Duty Cycle	PRF	Typical values
	5 $\mu$ Sec	2% Nom- 5% Max	10 KHz	
Power Gain	63 dB Min			
Input / Output Return Loss	10 dB Min			Relative to 50 Ohm
Harmonics	-30 dBc Max			At rated output
Non-Harmonic Spurious	-60 dBc Max			
Operating Voltage	100 - 240 VAC			
Power Consumption per Duty Cycle	300 Watt @ 2% / 500 Watt @ 5% Max			At rated output
Max Input Power	+27 dBm			Protection circuit
Load VSWR Protection	$\infty$ : 1			

## ENVIRONMENTAL CHARACTERISTICS

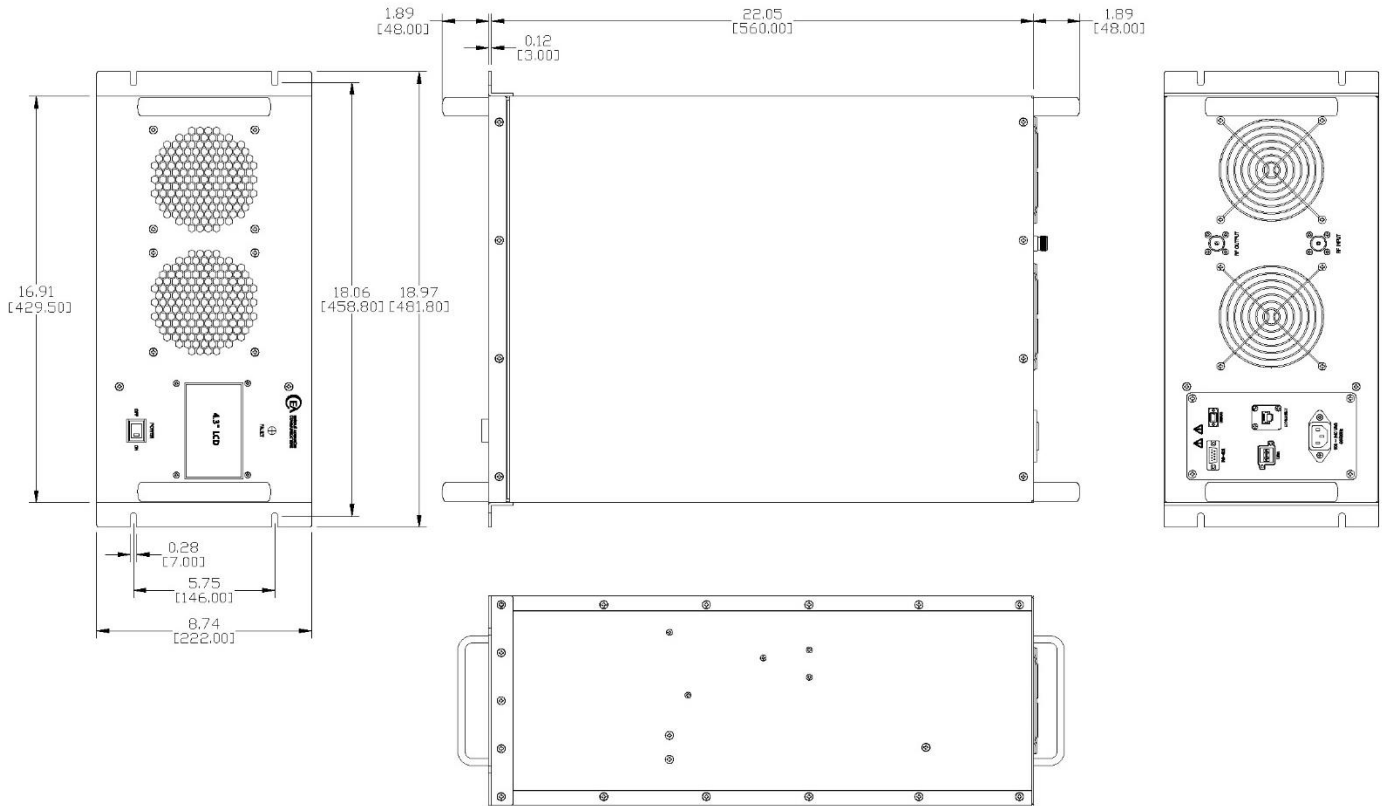
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensation

## MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	R5U	Per outline drawing
Weight	30 Kg. Max	
RF Connectors In/Out	Type-N Female	Front Panel Standard
AC Power	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
<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 – With Controller and Display Option**



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

