



AMP2043P SOLID STATE HIGH POWER AMPLIFIER



FEATURES

- Small form factor rack mounted system
- Class AB linear GaN design
- Instantaneous octave bandwidth
- Suitable for L-Band high peak pulse applications
- Built-in protection circuits
- High reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification			Notes
	AMP2043P-05K	AMP2043P-1K	AMP2043P-2K	
Model	AMP2043P-05K	AMP2043P-1K	AMP2043P-2K	
Operating Frequency Range	1.0 - 2.0 GHz			
Power Output @ Peak Pulse	500 W Min	1KW Min	2.0 KW Min	Peak Pulse
Input Pulse Characteristics	Width	Duty	PRF	
	0.1 - 10 uS	5 % Max	1.0 - 10 KHz	
Power Gain	60 dB Min			
Power Gain Flatness	2.0 dB p-p Max			Constant input power
Input Return Loss	10 dB Min			Relative to 50 Ohm
Noise Figure	6 dB Max			
Output Power On/Off Ratio	>90 dB			TTL Gate Control
Harmonics	>20 dBc Typ			At rated output power
Non Harmonics Spurious	60 dBc Min			
Operating Voltage	100 - 240 VAC			50 - 60 Hz
Efficiency	20 % Typ			At rated Pout
Max Input Power	+8 dBm			Without damage
Load VSWR	Full spec @ 1.5 : 1 & Operational @ 2 : 1			

ENVIRONMENTAL CHARACTERISTICS

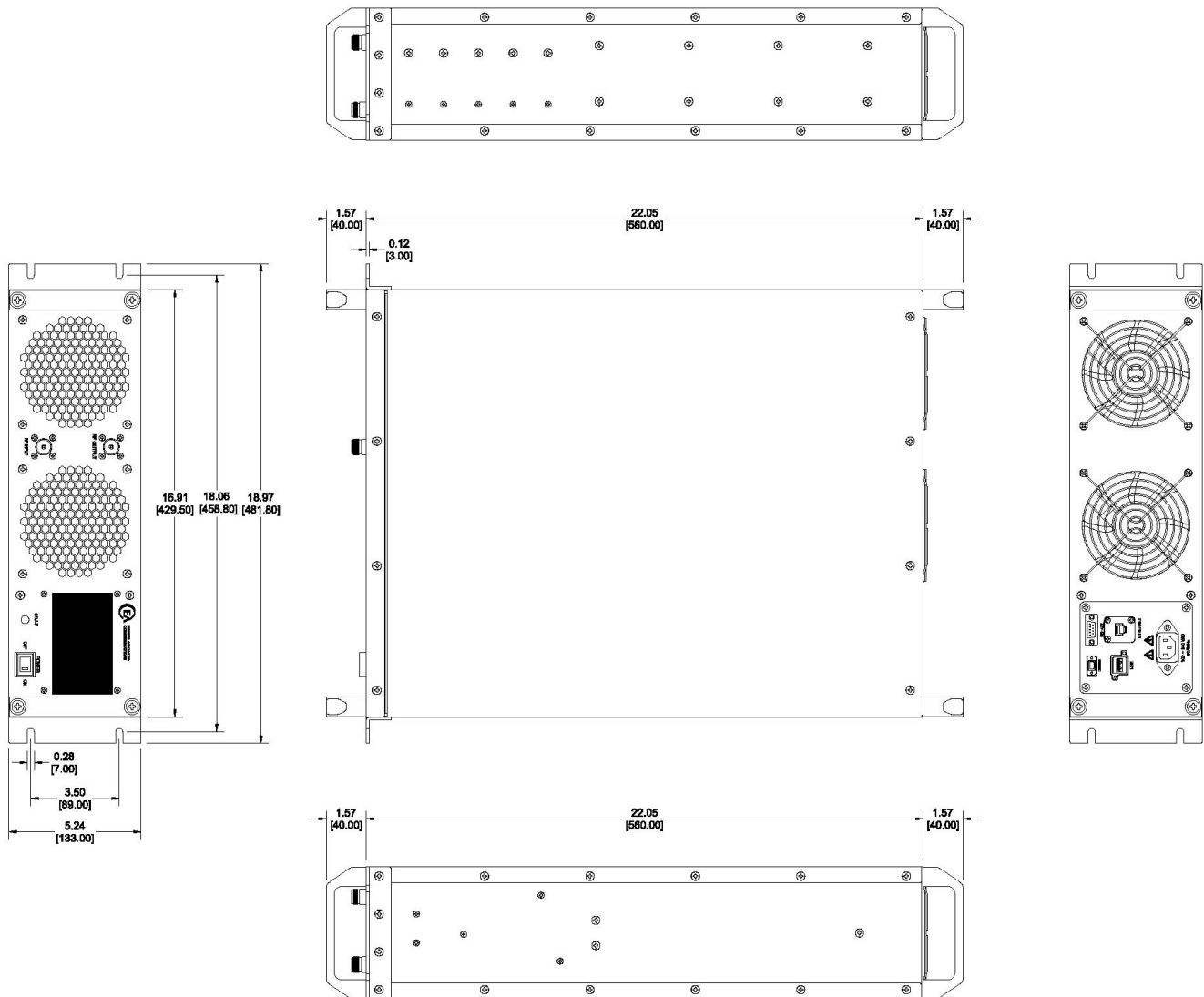
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non Condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification			Notes
Dimensions W x H x D	3U	5U	7U	Rack Mount Chassis
Weight	20 Kg	35 Kg	45 Kg.	Max
RF Connectors In / Out	Type-N F	Type-N F	Type-N F / DIN	Front Panel Standard
AC Power / Interface Connector	TBD			
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 Optional GPIB Interface			

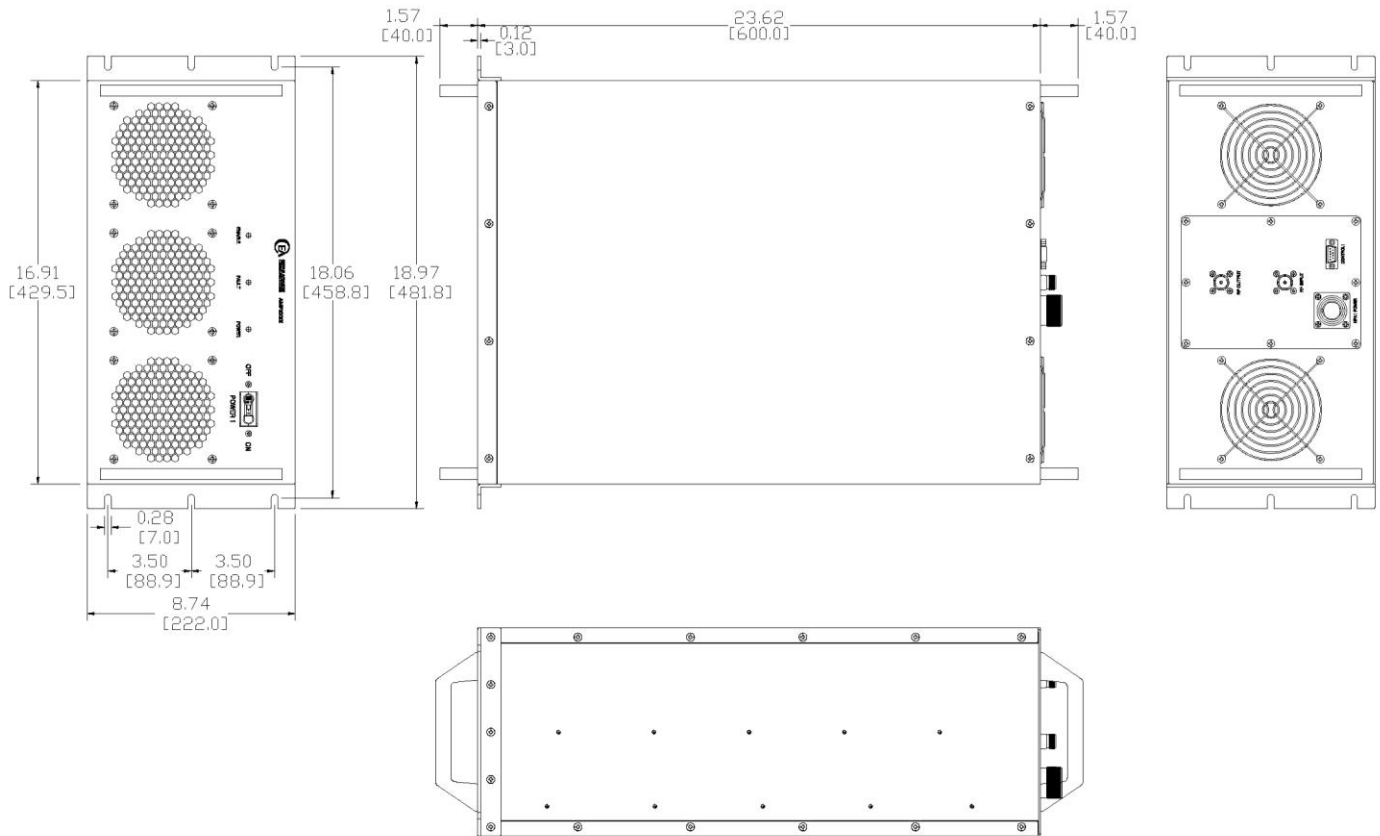
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OUTLINE DRAWING – 3U



AMP2043P SOLID STATE HIGH POWER AMPLIFIER

OUTLINE DRAWING – 5U



OUTLINE DRAWING – 7U

