

AMP4028P-1-2-4 SOLID STATE HIGH POWER AMPLIFIER



FEATURES

- Small form factor rack mounted system
- High power LDMOS pulse devices
- Instantaneous bandwidth
- Suitable for linear pulse applications
- Built-in protection circuits
- High reliability and ruggedness

ELECTRICAL SPECIFICATIONS: Relative to 50 Ohm

Parameter	Specification			Notes
Model Number	-1	-2	-4	
Power Output	1250 Watt	2000 Watt	4000 Watt	Pulse
Operating Frequency Range	184 - 214 MHz Min			
Input Pulse Characteristics	Pulse Width	Duty Cycle		
	650 μ S Max	10 % Max		
Power Gain	60 dB Min			
Input Return Loss	10 dB Min			Relative to 50 Ohm
2-Tone Intermodulation (IMD)	>30 dBc Typ			50dBm/Tone, $\Delta = 1$ MHz
Harmonics	>30dBc			At rated Pout
Non Harmonics Spurious	>60 dBc			
Operating Voltage	100 - 240 VAC			
Power Consumption - Average	300	500	1KW	At 11% Duty Cycle
Power Consumption - Peak	3 KW	5 KW	10 KW	
Max Input Power	+8 dBm			Without damage
Load VSWR Protection	$\infty : 1$ Min			
Turn On / Off Speed	5 μ Sec Max			

ENVIRONMENTAL CHARACTERISTICS

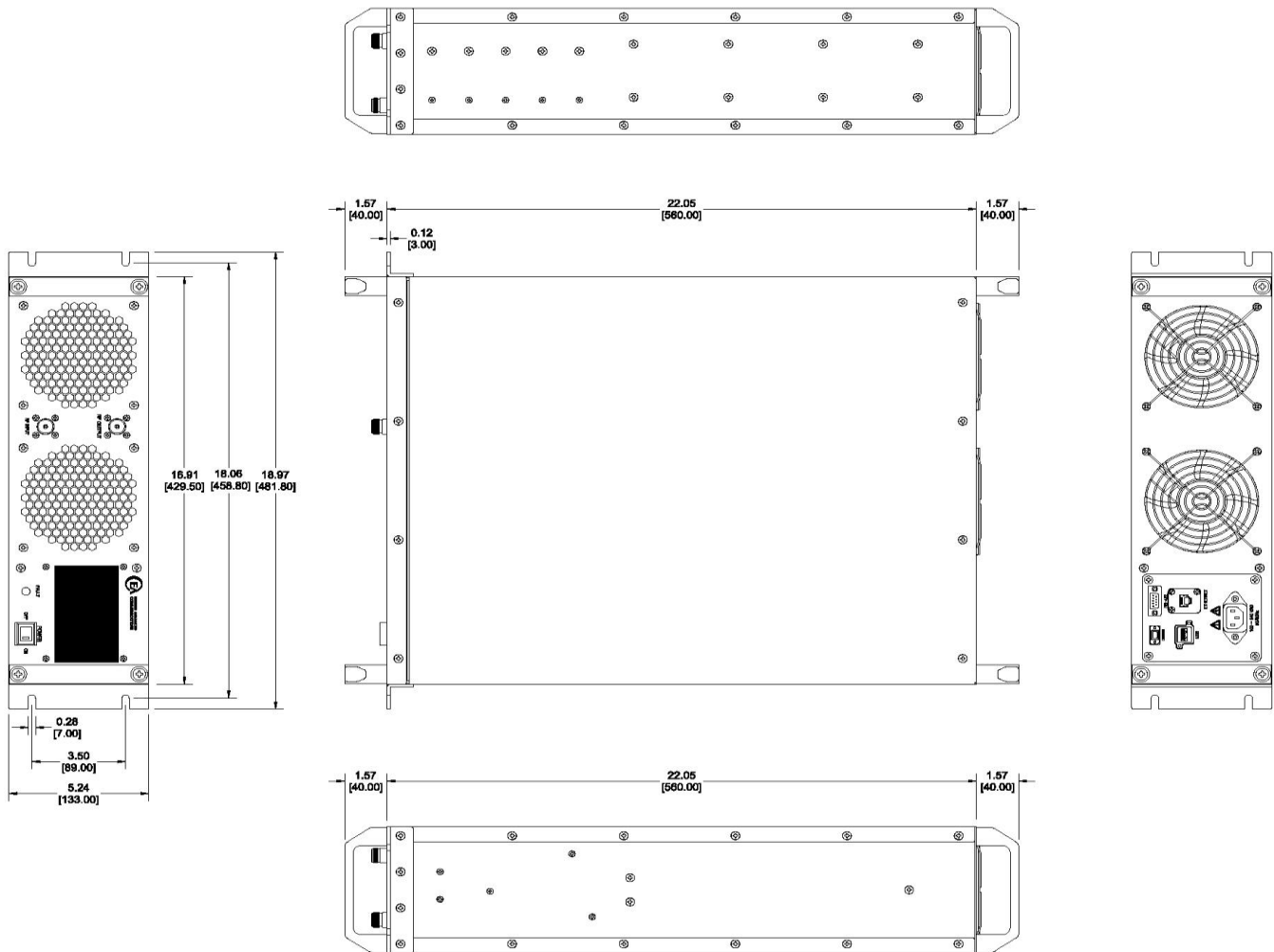
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non Condensation

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133x 560 mm	3U - Without handles
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	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



Shown with optional LCD controller