



AMP2136P-MCR SOLID STATE HIGH POWER AMPLIFIER



FEATURES

- Small form factor rack-mounted system
- Class AB linear GaN design
- Instantaneous octave bandwidth
- Covers P, L, S & C Bands high peak pulse applications
- Built-in protection circuits
- High reliability and ruggedness

ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification			Notes
Model	AMP2136AP	AMP2136BP	AMP2136-1P	
Operating Frequency Range	0.5 - 2.0 GHz	2.0 - 4.0 GHz	4.0 - 6.0 GHz	
Power Output @ Peak Pulse	5.0 KW Min			Peak Pulse
Input Pulse Characteristics	Width	Duty	PRF	
	0.5 - 10 μS	1 % Max	1 - 300 Hz	
Power Gain	67 dB Min			
Power Gain Flatness	3.0 dB p-p Max			Constant input power
Input Return Loss	-10 dB Max			Relative to 50 Ohm
Noise Figure	10 dB Max			At maximum gain
Harmonics	<-20 dBc Typ			At rated output power
Spurious	60 dBc Min			Non-harmonics
Operating Voltage	220 VAC Nom			50 - 60 Hz
Efficiency	20 % Typ			At rated Pout
Input Power Protection	+8 dBm Max			Without damage
Load VSWR Protection	Full spec @ 1.5 : 1 & Operational @ 2 : 1			
TTL Pulse Trigger Speed	1 μS Nom			
Output Power On/Off Ratio	-90 dB Typ			TTL gate control

ENVIRONMENTAL CHARACTERISTICS

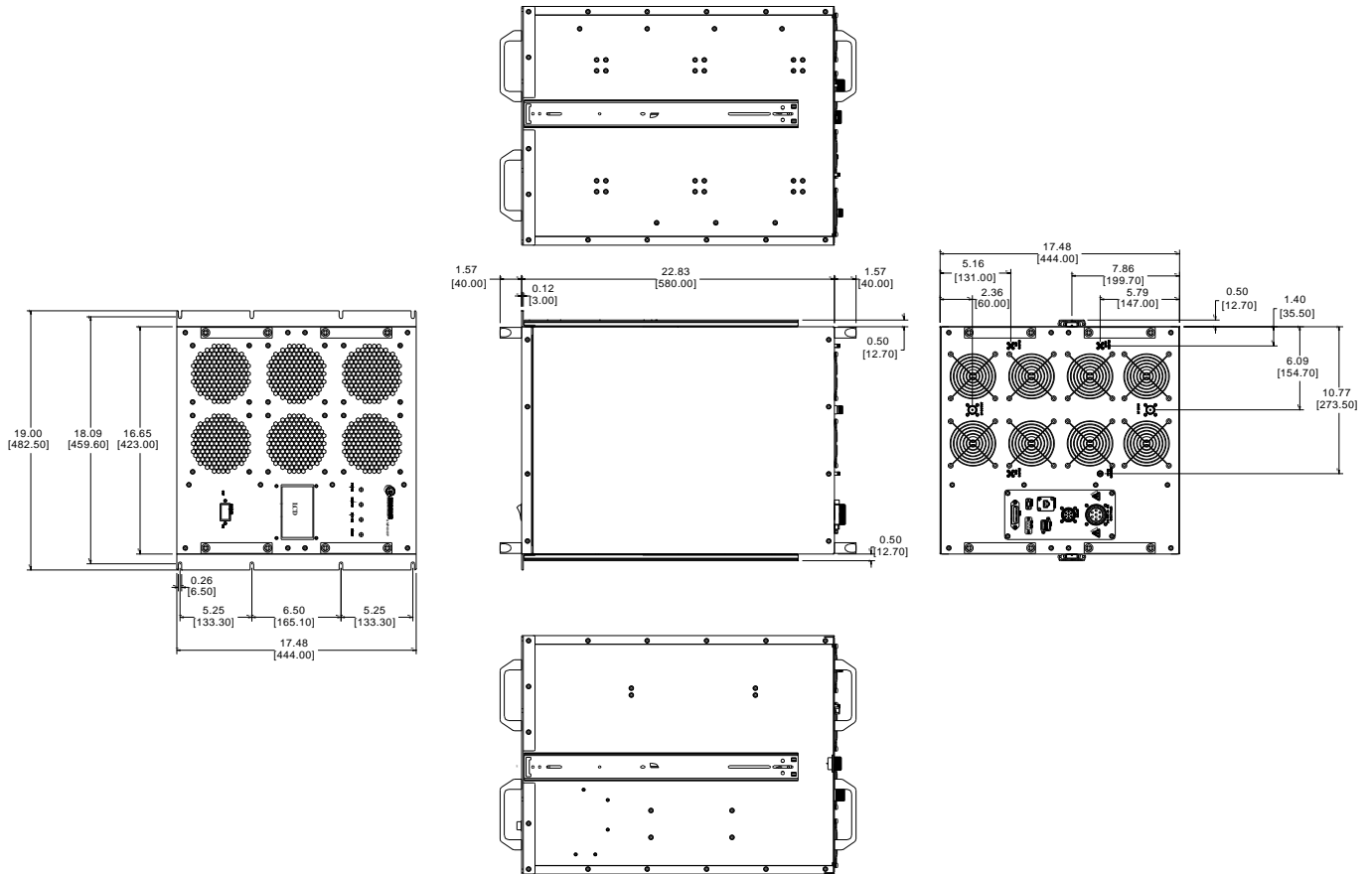
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification		Notes
Dimensions W x H x D	7U	10U	Rack Mount Chassis
Weight	45 Kg.	85 Kg.	
RF Connectors In / Out	Type-N F / SC-F		Front Panel Standard
AC Power	MS3102A24-10P		Rear panel, or equivalent
Remote Connectors	9-Pin D-Sub		Rear panel, or equivalent
Cooling	Built in Fan Cooling		Variable speed
Included: Digital Monitor & Control: FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface		

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OUTLINE DRAWING - 10U



OUTLINE DRAWING - 7U

