AMP2073-1P
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Small and light weight bench top chassis
Class AB linear GaN Hybrid design
Instantaneous Ultra-broadband
Suitable for all single channel modulation standards
Built-in protection circuits
Universal voltage AC power supply
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification			Notes	
Operating Frequency Range	2.0 - 12.0 GHz				
Power Output @ Peak Pulse	15 Watt Min			Pulse	
Pulse Characteristics	**Duty**	**Width**	**PRF**	**Rise / Fall**	
	10 %	100 µS		75 nS Max	
Power Gain	42 dB Min				
Power Gain Flatness	6.0 dB p-p Max			At rated Pout	
Input Return Loss	10 dB Min			Relative to 50 Ohm	
2-Tone Intermodulation (IMD)	-30 dBc Typ			31dBm/Tone, Δ = 1MHz	
Harmonics	-20 dBc Typ			At rated Pout	
Spurious	-60 dBc Max			Non-harmonics	
Noise Figure	10 dB Max				
Operating Voltage	100 - 240 VAC			50/60Hz	
Power Consumption	300 Watt Max			At rated Pout	
Max Input Power Protection	+3 dBm			<10 Sec without damage	
Load VSWR Protection	5: 1			<1 minute at rated Pout	

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 89 x 560 mm (17 x 3.5 x 22 inch)	2U, excluding handles
Weight	10 kg.	
RF Connectors In/Out	SMA Female	Front Panel Standard
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
OPTIONAL: 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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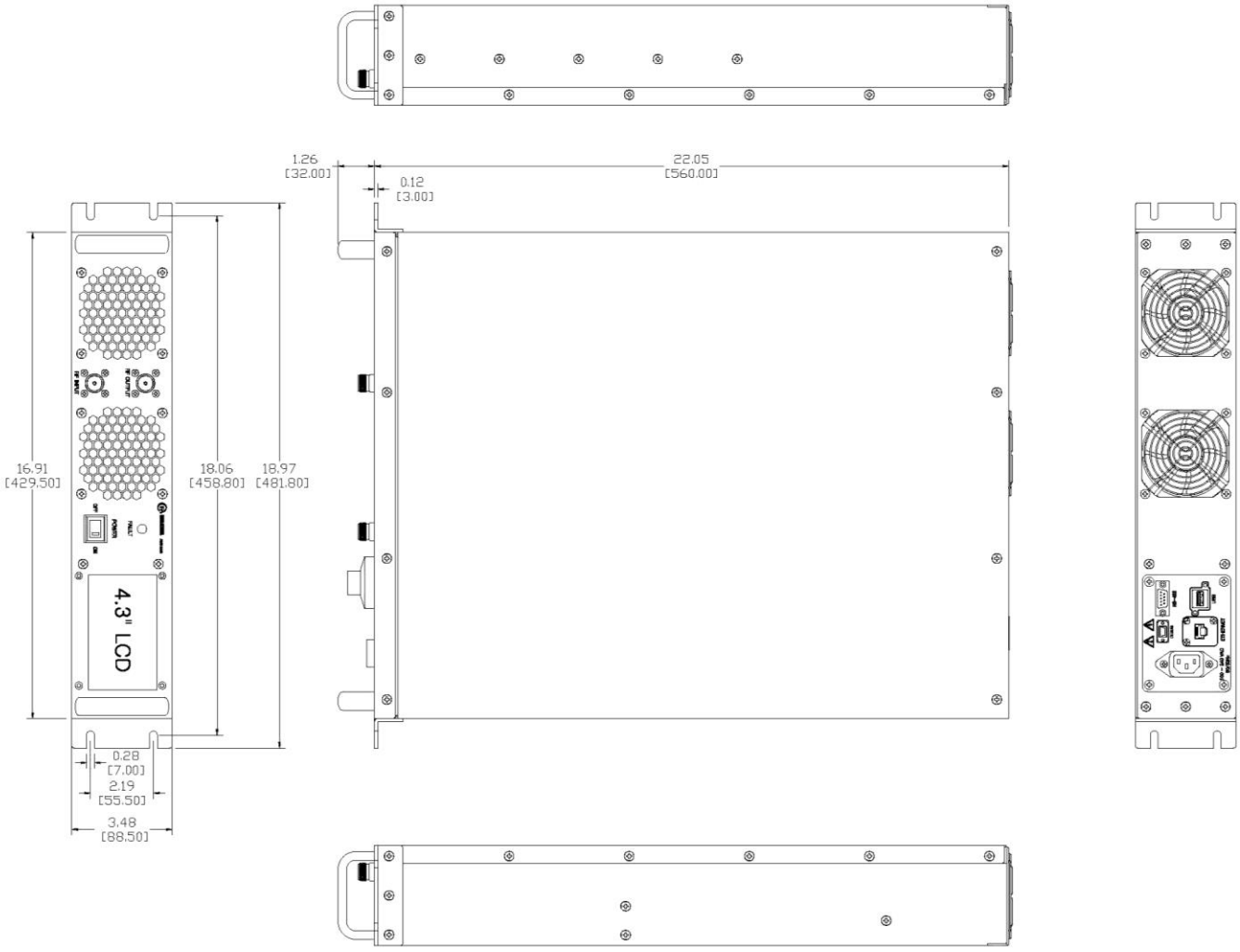
OUTLINE DRAWING WITH DIGITAL CONTROL (LCD)



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OUTLINE DRAWING WITH MANUAL GAIN ADJUSTMENT