



AMP6023 SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Small and light weight rack mount chassis
- Class AB linear GaN hybrid design
- 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	40 GHz \pm 500 MHz	
Power Output @ Psat	10 Watt Typ	CW
Power Gain	40 dB Min	
Power Gain Flatness	1.0 dB p-p Max	
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	30dBm/Tone, $\Delta = 1$ MHz
Harmonics	-30 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Noise Figure	12 dB Typ	
Operating Voltage	100 - 240 VAC	50/60Hz
Power Consumption	180 Watt Max	At rated Pout
Max Input Power	+3 dBm	<10 Seconds without damage
Load VSWR Protection	5 : 1	<1 Minute @ rated output

ENVIRONMENTAL CHARACTERISTICS

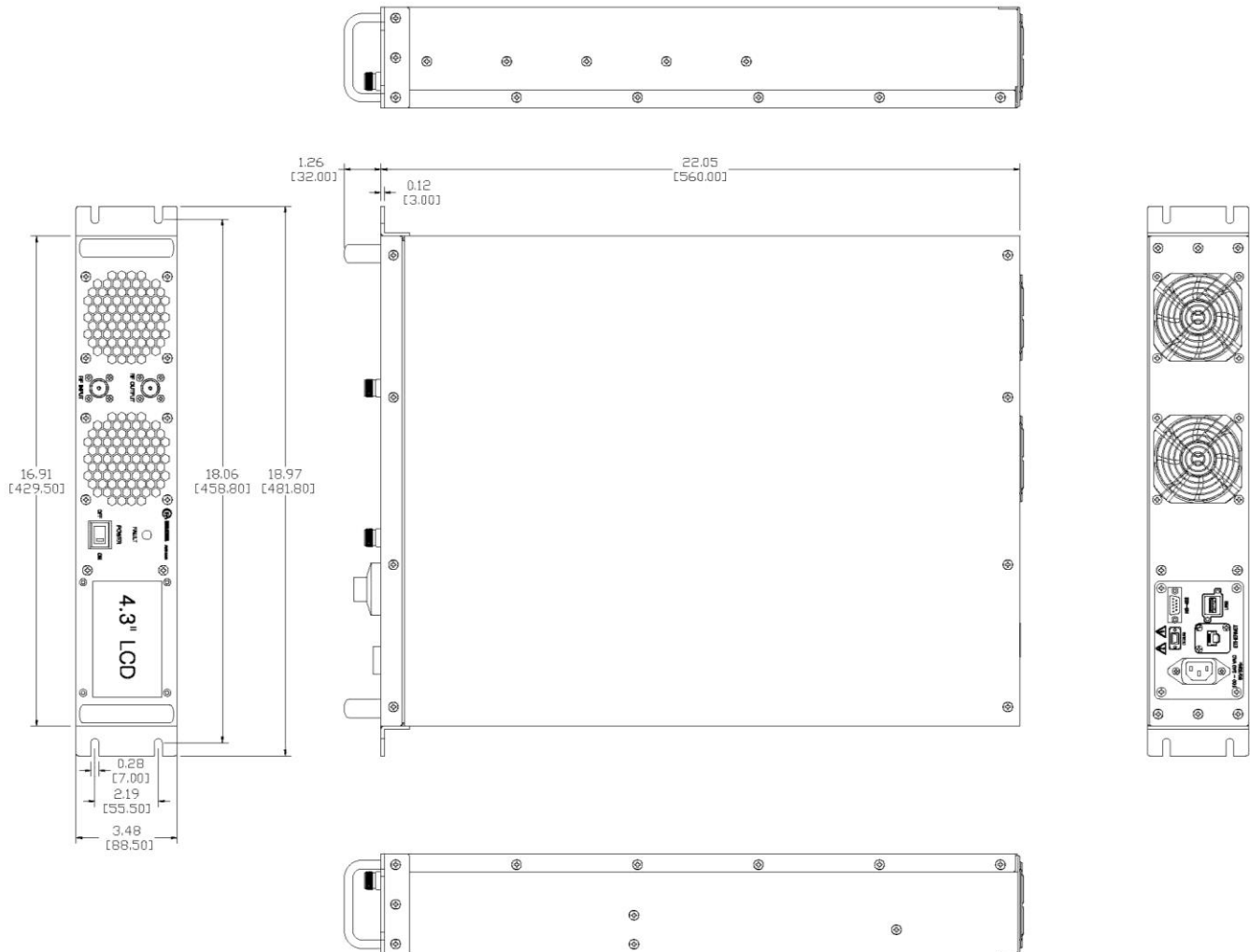
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensation

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	9 kg.	
RF Connectors In/Out	Type-N Female	
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	

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OUTLINE DRAWING WITH DIGITAL CONTROL (LCD)



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OUTLINE DRAWING WITH MANUAL GAIN ADJUSTMENT

