



AMP2064-2 SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Rack mounted system
- Class AB linear GaN design
- Instantaneous wide bandwidth
- Suitable for CW, Pulse, and any single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	1.0 - 3.0 GHz	
Power Output	250 Watt Min	CW
Power Output @ P1dB	200 Watt Min	Note 1
Power Gain	54 dB Min	
Power Gain Flatness	4.0 dB p-p Max	Constant input power
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	43dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics	-20 dBc Typ	At Pout=200Watt
Spurious	-60 dBc Max	Non-harmonics
Noise Figure	15 dB Max	At max gain
Operating Voltage	100 - 240 VAC	
Power Consumption	1500 Watt Max	At rated Pout
Max Input Power Protection	+10 dBm	<10 Sec without damage
Load VSWR Protection	Graceful degradation @ 3 : 1 load VSWR	

Notes:

- Measured with 1KHz AM, 80% modulation index

ENVIRONMENTAL CHARACTERISTICS

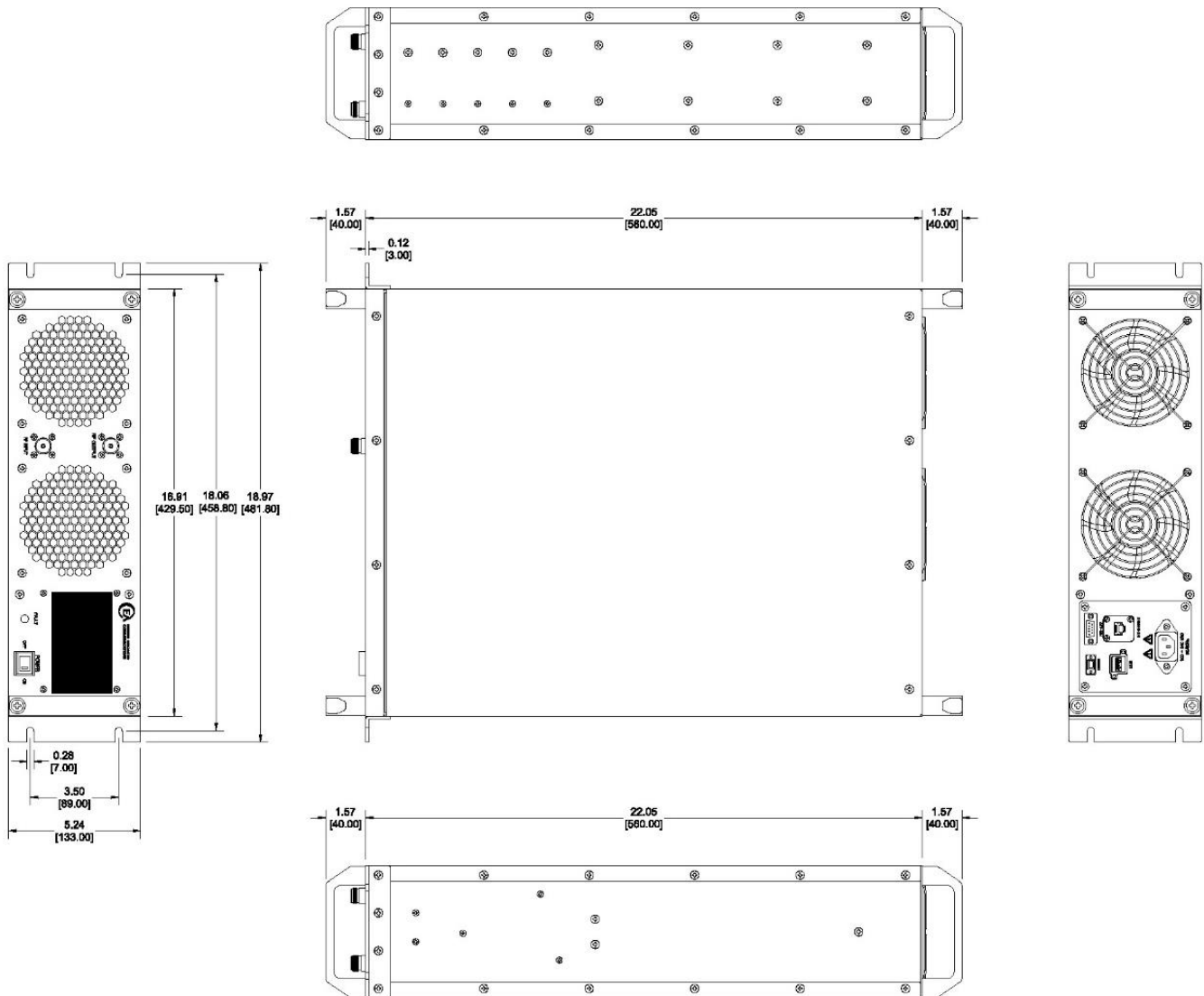
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non -condensing
Shock & Vibrations	MIL-STD-810F - Shock Method 516.5, Vibration Method 514.5	

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm (17 x 5.25 x 22 inches)	3U
Weight	65 lbs.	
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, USB, RS422/485 Optional GPIB Interface	Remote Bluetooth application

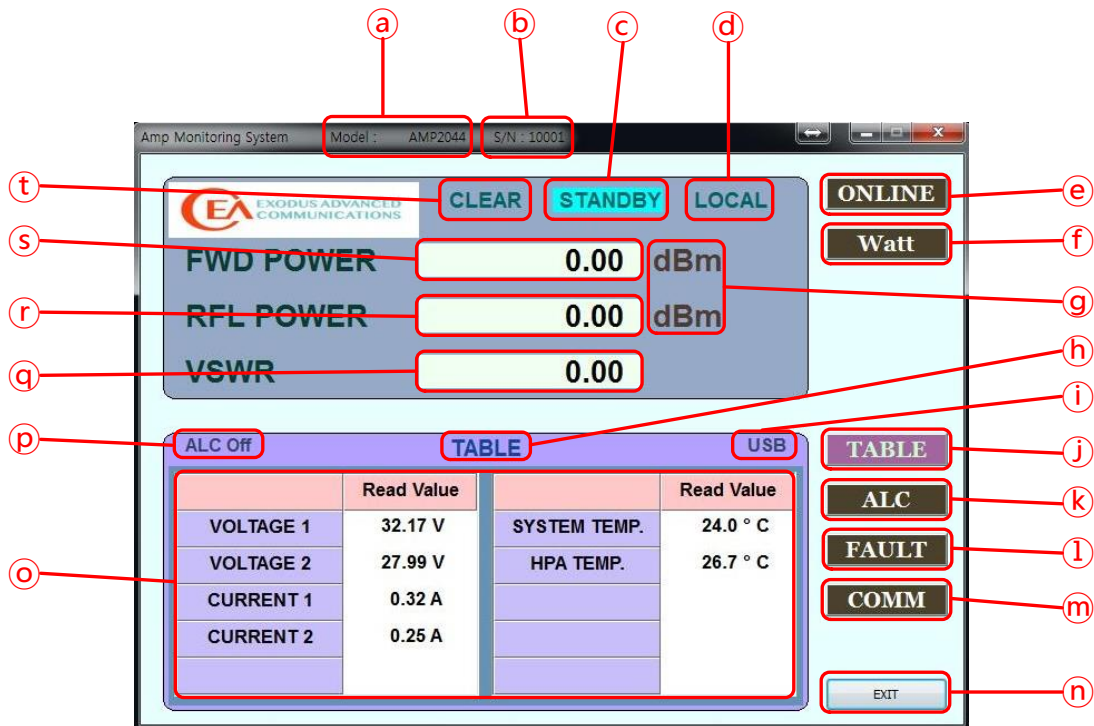
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OUTLINE DRAWING



REMOTE CONTROLLER INTERFACE SOFTWARE

PRIMARY (MAIN) WINDOW



- a Model: Connected model number.
- b S/N: Serial number of the connected model.
- c STANDY/ONLINE: Display system STANDY/ONLINE status.
- d LOCAL/REMOTE: Display system LOCAL/REMOTE status, REMOTE mode is optional.
- e ONLINE/STANDY: System ONLINE/STANDY button.
- f Watt/dBm: Watt/dBm conversion button.
- g dBm/Watt: Display dBm/Watt status.
- h TABLE/ALE/FAULT/COMM: Display menu status.
- i RS232 (RS422)/USB/BLUETOOTH/ETHERNET: Display the communication mode.
- j TABLE: TABLE menu button.
- k ALC: ALC menu button.
- l FAULT: FAULT menu button.
- m COMM: COMM menu button.
- n EXIT: Button to exit the program.
- o Display status of the TABLE menu window.
- p ALC On/ALC Off: Display ALC operating status.
- q VSWR: Display VSWR value.
- r RFL POWER: Display RFL POWER value.
- s FWD POWER: Display FWD POWER value.
- t CLEAR/FALUT: Display CLEAR/FAULT status.