



AMP2084-1 SOLID STATE HIGH POWER AMPLIFIER



FEATURES

- Rack mounted system
- Class AB linear GaN design
- Instantaneous wide bandwidth
- Suitable for all single channel modulations standards
- Built-in protection circuits
- High reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	8.0 - 18.0 GHz	
Power Output @ Psat	80 Watt Min / 100 Watt Typ	CW
Power Gain	50 dB Min	
Power Gain Flatness	4 dB p-p Max	Constant input power
Input / Output Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	39dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics	-20 dBc Typ	At rated output
Spurious	60 dBc Min	Non-harmonic
Operating Voltage	180 - 240 VAC	
Power Consumption	1200 Watt Max	At rated output
Input Power Protection	+3 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1	<1 Minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

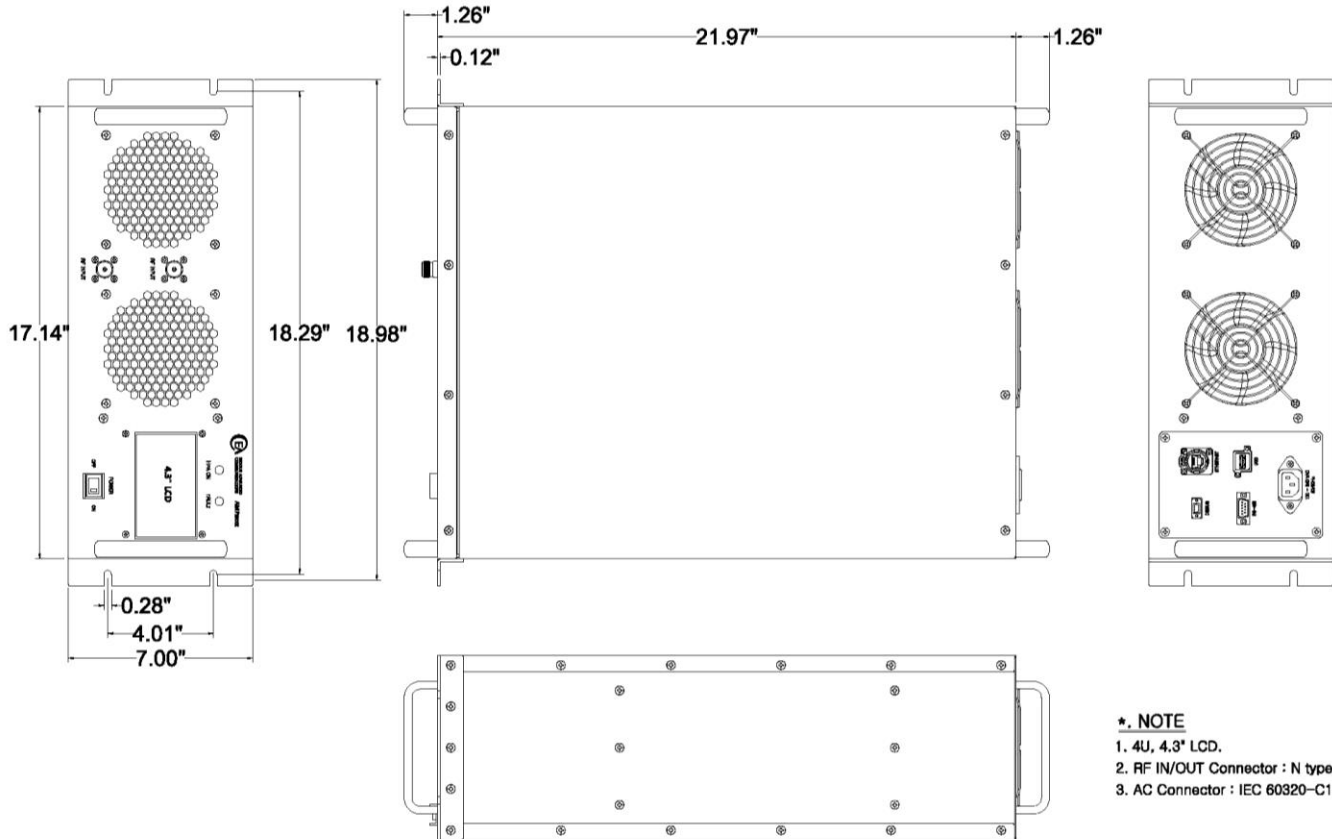
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensation

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	483 x 178 x 560 mm (19" x 7" x 22")	R4U
Weight	35 Kg. (75 lb.)	
RF Connectors In / Out	Hi Freq. SMA F / WG	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Liquid Cooling	Closed circuit
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	

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OUTLINE DRAWING



- *. NOTE**
1. 4U, 4.3" LCD.
 2. RF IN/OUT Connector : N type Female
 3. AC Connector : IEC 60320-C14