



AMP2135B-1 SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Class A/AB linear LDMOS design
- Instantaneous ultra-wide bandwidth
- Rack mounted system
- Designed for broadband EMI/RFI, Lab, BCI applications
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	10 KHz - 400 MHz	
Power Output @ Psat	150 Watt Min	CW
Power Output @ P1dB	100 Watt Min /125 Watt Typ	
Power Gain	52 dB Min	
Power Gain Flatness	4.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	<-30 dBc Typ	42 dBm/Tone, Δ = 1 MHz
Harmonics	<-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	1000 Watt Max	At rated Pout
Input Power Protection	+5 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	Auto-shutdown @ >5:1

ENVIRONMENTAL CHARACTERISTICS

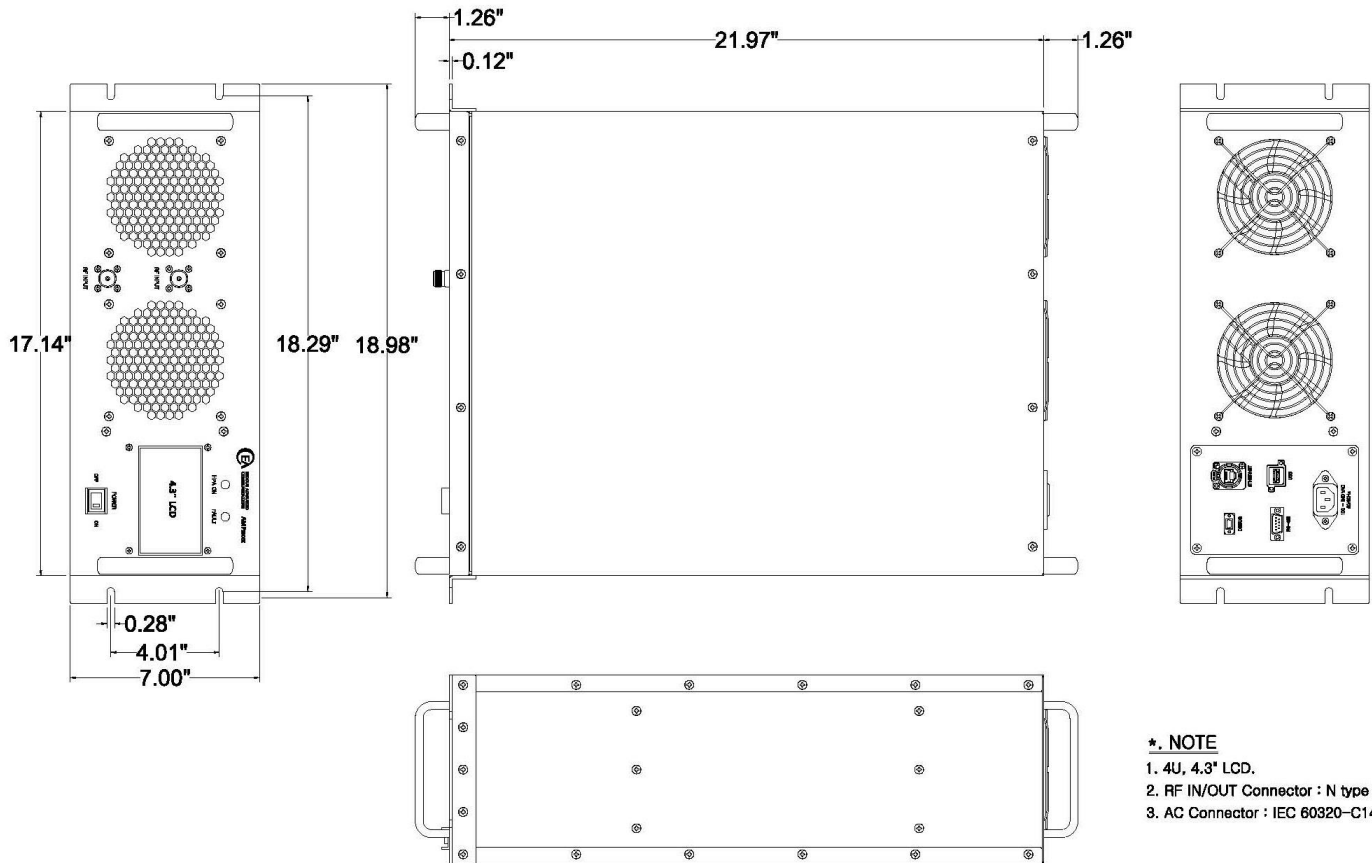
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	483 x 178 x 560 mm	4U - Excluding handles
Weight	25 Kg. Typ	
RF Connectors In/Out	Type-N Female	Front or rear panel
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, USB, RS422/485, USB Optional GPIB Interface	

AMP2135B-1 SOLID STATE HIGH POWER AMPLIFIER

**OUTLINE DRAWING
SHOWN WITH OPTIONAL DISPLAY**



***. NOTE**

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