



AMP2122DB SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Rack mounted system
- Ultra-broadband, class AB linear LDMOS and GaN design
- Dual Band, One input - Two Outputs
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification		Notes
	A	B	
Band Designation			
Operating Frequency Range	20 - 1000 MHz	1000 - 3000 MHz	
Band Switching Speed	15 mS Nom		Coaxial relay - Local or Remote
Power Output @ Psat	100 Watt Min		CW
Power Gain	50 dB Min		
Power Gain Flatness	4.0 dB p-p Max		Constant input power
Input Return Loss	-10 dB Max		Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ		40dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ		At rated Pout
Non-Harmonic Spurious	-60 dBc Max		
Operating Voltage	100 - 240 VAC		
Power Consumption	1000 Watt Max		At rated Pout
Input Power Protection	+8 dBm Max		<10 Sec without damage
Load VSWR Protection	10 : 1 Max		<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-condensing

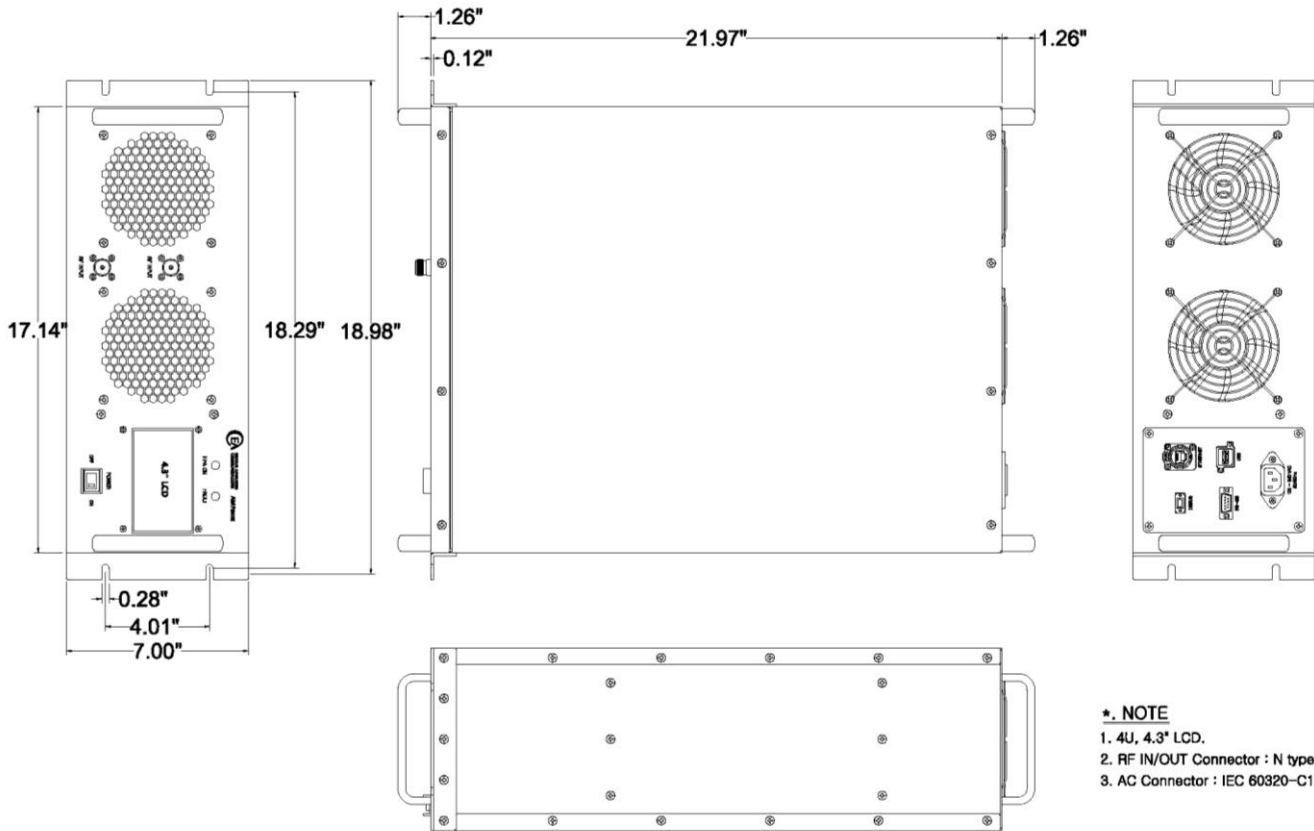
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	483 x 178 x 560 mm	4U - excluding handles
Weight	30 Kg. Max	
RF Connectors In/Out A / Out B	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, RS422/485 Optional GPIB Interface	Optional Remote Bluetooth application

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OUTLINE DRAWING

SHOWN WITH OPTIONAL LCD CONTROLLER



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