



AMP2122ADB SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Rack mounted system
- Ultra-broadband, class AB linear LDMOS and GaN design
- Dual Band, One input - One Output
- Designed for broadband EMI/RFI, Lab, Communication applications
- 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	25 - 500 MHz	500 - 3000 MHz	
Band Switching Speed	15 mS Nom		Coaxial relay - Local or Remote
Power Output @ Psat	300 Watt Min		CW
Power Gain	55 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		45dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ		At rated Pout
Non-Harmonic Spurious	-60 dBc Max		
Operating Voltage	180 - 240 VAC		Single -phase
Power Consumption	3000 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	430 x 311 x 600 mm	7U - excluding handles
Weight	40 Kg. Nom	
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

OUTLINE DRAWING

