



AMP2126DB SOLID STATE HIGH POWER AMPLIFIER

FEATURES

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



ELECTRICAL SPECIFICATIONS

Parameter	Specification		Notes
	A	B	
Band Designation			
Operating Frequency Range	20 - 1000 MHz	1000 - 3000 MHz	
Power Output CW	20 Watt Min		CW
Power Output @ P1dB	10 Watt Min		
Power Gain	43 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		33dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics	-20 dBc Typ		At rated Pout
Spurious	-60 dBc Max		Non-harmonic
Operating Voltage	100 - 240 VAC		
Power Consumption	300 Watt Max		At rated Pout
Max Input Power protection	+8 dBm		<10 Sec without damage
Load VSWR Protection	10 : 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	430 x 88 x 562 mm	2U, excluding handles
Weight	9 kg.	
RF Connectors In/Out A / Out B	Type-N Female	Front Panel Standard
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	Remote Bluetooth application

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OUTLINE DRAWING

