



# AMP2074B SOLID STATE HIGH POWER AMPLIFIER



## FEATURES

- Rack mounted system
- Class AB linear GaN design
- Instantaneous full L-Band bandwidth
- Designed for EMI/RFI, lab, and general 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
Operating Frequency Range	1.0 - 2.0 GHz	
Power Output @ Saturation	600 Watt Typ	CW
Power Output @ P1dB	500 Watt Min / 550 Watt Typ	
Power Gain	57 dB Min	
Power Gain Flatness	3.0 dB p-p Max	Constant input power
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	48dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	At rated output power
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	180 - 240 VAC	
Power Consumption	4 KW Max	At rated Pout
Input Power protection	+8 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	Auto shutdown

## 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	Type-N / 7/16-Female	Front or rear panel
AC Power	220 VAC, 1 phase	
I/O Connector	9-Pin D-Sub	
Cooling	Quiet Cool Liquid cooling	Closed circuit pump
<b>STANDARD:</b> Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	Optional Remote Bluetooth application

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## OUTLINE DRAWING

