



# AMP2026 SOLID STATE HIGH POWER AMPLIFIER

## FEATURES

- Small form factor, rack mounted system
- Class A/AB linear design using high power advanced GaN devices
- Instantaneous ultra-wide bandwidth
- Designed for EMI/RFI, lab, and general communication applications
- Suitable for all composite signal channel modulation standards & applications
- Built-in protection circuits
- High reliability and ruggedness with extensive monitoring & protection circuits
- Optional all remote-control platforms
- High efficiency, with unprecedented reliability and ruggedness



## ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	2.0 - 6.0 GHz	
Power Output @ Psat	200 Watt Min	CW
Power Gain	53 dB Min	
Power Gain Flatness	3 dB p-p Max	Constant input power
Gain Adjustment Range	20 dB Min / 30 dB Typ	
Input / Output Return Loss	-10 dB Max	
2-Tone Intermodulation (IMD)	<-30 dBc Typ	43dBm/Tone, Δ = 1MHz
Harmonics	<-20 dBc Typ	At rated output
Non Harmonic Spurious	60 dBc Min	
Operating Voltage	180 - 240 VAC	
Power Consumption	1500 Watt Max	At rated output
Input Power Protection	+8 dBm Max	
Load VSWR Protection	5 : 1 Max	

## MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 222 x 560 mm	5U - excluding handles
Weight	35 Kg. Max	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
<b>OPTIONAL:</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

## 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
Altitude	3000 meters Max	

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## OUTLINE DRAWING

