



## AMP2108 & AMP2108A SOLID STATE HIGH POWER AMPLIFIER

### FEATURES

- Suitable for broadband EMI/RFI, Lab, Comm. and EW applications
- High Power Class AB linear GaN design
- Instantaneous ultra wide bandwidth
- Suitable for all single channel modulations standards
- Rack mounted system
- Built-in protection circuits
- High reliability and ruggedness



### ELECTRICAL SPECIFICATIONS Into 50 Ohm load

Parameter	Specification		Notes
	AMP2108	AMP2108A	
Model	AMP2108	AMP2108A	
Operating Frequency Range	5.0 - 18.0 GHz		
Power Output @ Psat	25 Watt Min	40 Watt Typ	CW
Power Output @ P1dB GCP	15 Watt Typ	25 Watt Min	CW
Power Gain	44 dB Min		
Power Gain Flatness	5.0 dB p-p Max		Constant input power
Input / Output Return Loss	10 dB Min		Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ		34dBm/Tone, $\Delta = 1$ MHz
Harmonics	>10 dBc		At rated output
Non Harmonic Spurious	>60 dBc		
Operating Voltage	100 - 240 VAC Nom		50/60 Hz
Power Consumption	300 Watt Max	400 Watt Max	At rated output
Load VSWR Protection	5 : 1		Self-initiated shutdown
High Temperature Protection	Automatic Shutdown		

### ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-20 to +85 °C	
Relative Humidity	5 to 95 %	Non Condensation
Shock & Vibration	Normal truck transportation	

### MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133.3 x 560 mm	5U
Weight	20 kg.	
RF Connectors In / Out/Reference	Precision Hi Frequency Type-N Female	
AC Power / Control Connector	IEC 60320-C14 / 9-Pin D-Sub	
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 GPIB Interface	Remote <a href="#">Bluetooth</a> application

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## OUTLINE DRAWING

