



AMP2113 SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Rack mounted system
- Class AB linear GaN design
- Instantaneous wide bandwidth
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	10 - 2000 MHz	
Power Output	20 Watt Min	Saturated CW
Power Output @ 1dB G.C.P.	10 Watt Min	
Small Signal Gain	+44 dB Min	
Power Gain Flatness	4.0 dB p-p Max	
Input Return Loss	10 dB Min	Relative to 50 Ohm
3 rd Order Intercept Point	+47 dBm Typ	33dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	At rated Pout
Non-Harmonics Spurious	-60 dBc Max	*Following our standard format
Operating Voltage	100 - 240 VAC	
Power Consumption	250 Watt Max	At rated Pout
Max Input Power	+5 dBm	Nominal Input Power 0dBm Max Input Power Protection +5dBm rated for 10 Sec without damage
Load VSWR Protection	5 : 1	Maximum 1 Min @ rated output

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
Weight	9 kg.	
RF Connectors In/Out	Type-N Female	
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	Remote Bluetooth application

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OUTLINE DRAWING

