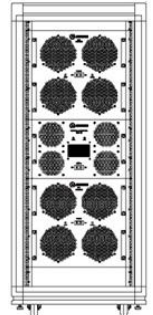




AMP2030-800 SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Rack mounted system in a cabinet
- Class AB linear GaN design
- Instantaneous ultra-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	1.0 - 6.0 GHz	
Power Output @ Psat	800 Watt Typ	CW or Pulse
Power Output @ P1dB	500 Watt Min	
Power Gain	59 dB Min	Pin = 0 dBm Nom
Power Gain Flatness	5 dB p-p Max	Constant input power
Input / Output Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	49 dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	At rated output
Spurious	-60 dBc Max	Non-harmonic
Operating Voltage	180 - 240 VAC	3-Phase
Power Consumption	7000 Watt Max	At rated output
Input Power Protection	+5 dBm Max	<10 Sec without damage
Load VSWR Protection	10 : 1 Max	<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-condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	24" x 56" x 36" Nom	27U excluding handles
Weight	200 Kg. Nom	
RF Connectors In/Out	Type-N Female Type-SC Female	RF Input Front or Rear Panel RF Output Rear Panel
AC Power	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
STANDARD: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional: GPIB Interface	

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OUTLINE DRAWING

