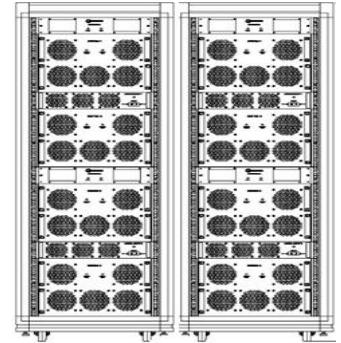




AMP2121-6000 SOLID STATE HIGH POWER AMPLIFIER



FEATURES

- Instantaneous ultra-wide bandwidth
- Class AB linear LDMOS design
- Rack mounted system
- Designed for broadband EMI/RFI, Lab, Communication applications
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	80 - 1000 MHz	
Power Output	6000 Watt Min	CW
Power Gain	68 dB Min	
Power Gain Flatness	5.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-35 dBc Typ	50dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	220/240 VAC, 3-Phase	
Power Consumption	35 KW Max	At rated Pout
Input Power Protection	+3 dBm Max	<10 Sec without damage
Load VSWR Protection	10: 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	45"W x 36"D x 72"H (2x 36U)	Rack Mount Cabinet
Weight	1200 lb. Typ	
RF Connectors In/Out/Sample	Type-N Female 1 5/8" Female	RF Input/Sample Front Panel RF Output Rear Panel
AC Power / Interface	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Air Cooling	Variable speed
STANDARD: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 GPIB Interface	Remote Bluetooth application

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OUTLINE DRAWING

*. NOTE
#. 36U Rack

