



AMP6003P SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Designed L-Band high power, high duty cycle pulse applications
- Class AB linear solid-state design
- Rack mounted system
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification			Notes
Operating Frequency Range	1059 MHz \pm 50 MHz			Nominal
Power Output Pulse	1000 Watt Min			Peak Pulse
Input Pulse Characteristics	Width	Duty Cycle	PRF	Typical values
	100 μ Sec	30%	80 KHz Max	
Power Gain	60 dB Min			
Input / Output Return Loss	14 dB Min			Relative to 50 Ohm
Harmonics	-30 dBc Max			At rated output
Spurious	-60 dBc Max			Non-harmonic
Operating Voltage	100 -260 VAC, 47 - 63 Hz			Single phase
Power Consumption Peak Power	3 KW Max			At rated output
Input Power Protection	+8 dBm Max			<10 Sec without damage
Load VSWR Protection	10 : 1 Max			

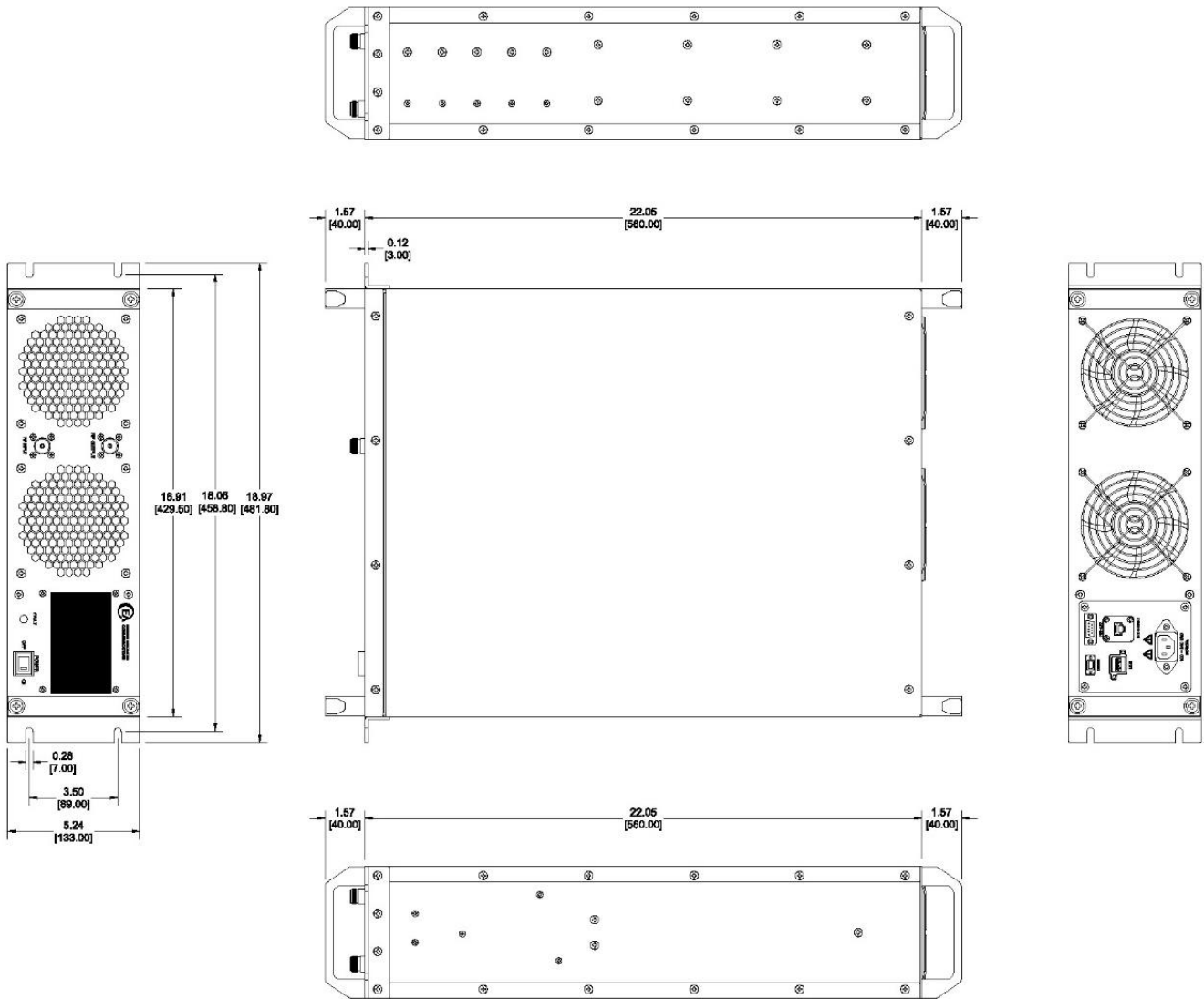
ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensation
Shock & Vibrations	MIL STD 810E	

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	560 x 133 x 430 mm	R3U
Weight	20 Kg. Max	
RF Connectors In/Out	Type-N Female	Front Panel Standard
AC Power	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	Remote Bluetooth application

OUTLINE DRAWING – With Controller and Display Option



- 5U System Outline (Rear Connectors Input N, Output N)

