



AMP6003P SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Rack mounted system for easy installation
- High power Class AB solid-state devices
- Suitable for high duty pulse and composite signals applications
- Built-in protection circuits
- High efficiency, reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	1059 MHz \pm 25 MHz	
Peak Output Power	1000 Watt Min	Peak Pulse
Power Gain	60 dB Min	
Power Gain Flatness	1 dB p-p Max	
Input /Output Return Loss	14 dB Min	Relative to 50 Ohm
Pulse Envelope Timing	Per Diagram	
Pulse Duty Cycle	30 % Max	
Pulse Repetition Rate	80 KHz	
Pulse Rise / Fall time	200 nS Max	
Harmonics 2 nd /3 rd	<-60 dBc	
Spurious	60 dBc Min	Non Harmonics
Operating Voltage	100 -260 VAC, 47 - 63 Hz	Single phase
Power Consumption	4 KWatt Max	At rated Pout
Max Input Power	+10 dBm	Without damage
Load VSWR Protection	10 : 1 Max	
Output Monitoring	-45 dBc Nom	Via BNC-F

MECHANICAL SPECIFICATIONS

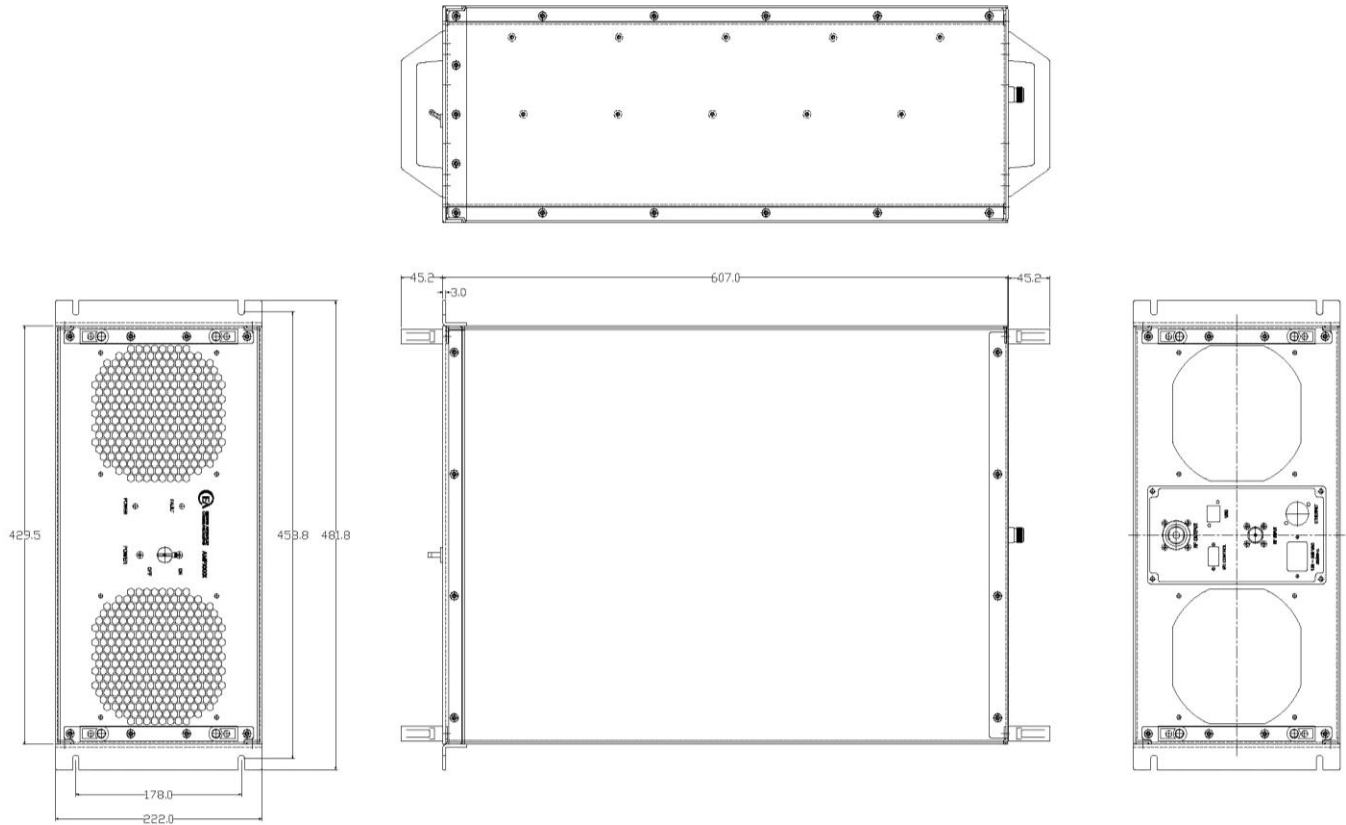
Parameter	Specification	Notes
Dimensions	5U Rack Mount Chassis	See outline drawing
Weight	35 Kg	
RF Connectors In/Out	Type N Female	Rear panel
Cooling	Built in forced air	
Alarm & Monitoring Connector	25 Pin D-Sub	
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, GPIB Interface	Remote Bluetooth application

ENVIRONMENTAL CHARACTERISTICS

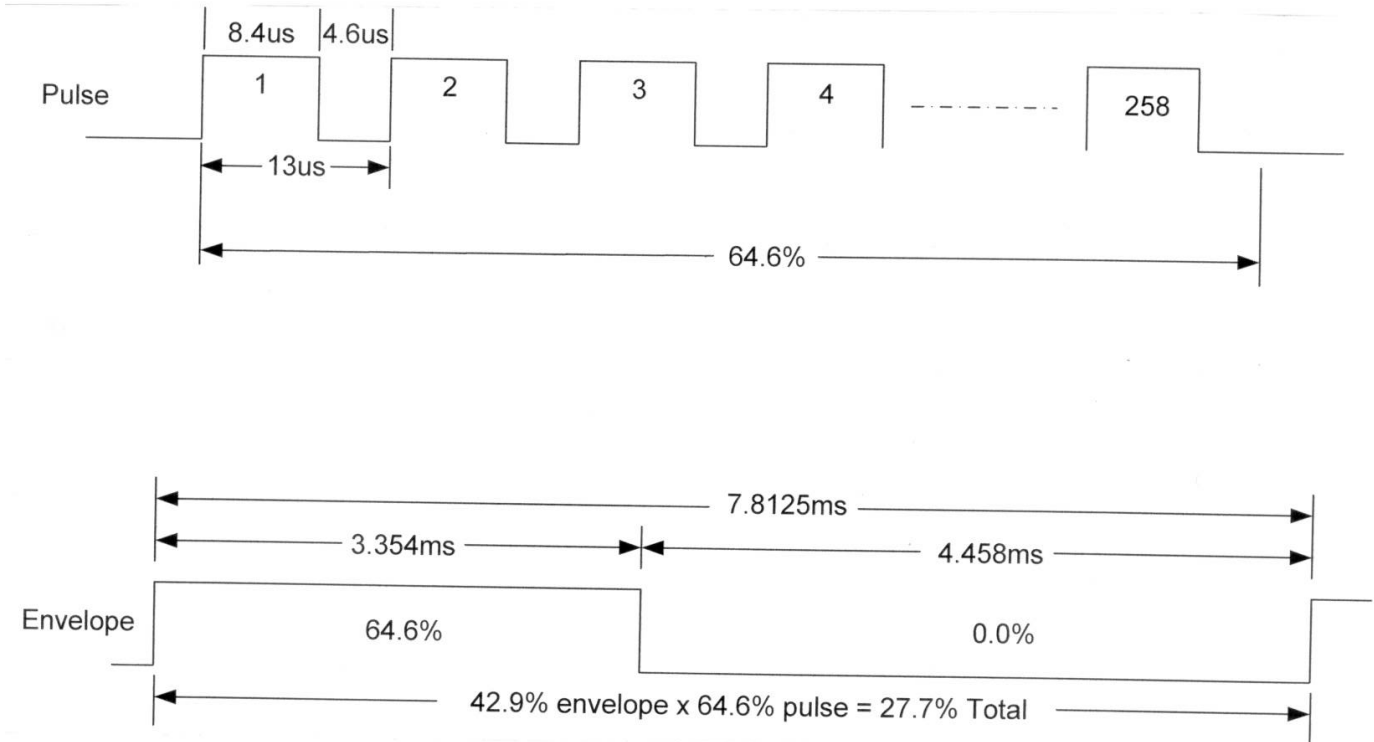
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-20 to +70°C	
Relative Humidity	95% @ 40°C	Non Condensing
Shock & Vibrations	MIL STD 810E	

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OUTLINE DRAWING



PULSE ENVELOPE TIMING



PULSE TEST CONDITIONS

