



## AMP2040-2 SOLID STATE HIGH POWER AMPLIFIER

### FEATURES

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



### ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	500 - 1000 MHz	
Power Output	200 Watt Min	CW
Power Output @ P1dB GCP	150 Watt Typ	
Power Gain	53 dB Min	
Power Gain Flatness	3.0 dB p-p Max	Constant input power
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-20 dBc Typ	43dBm/Tone, Δ = 1MHz
Harmonics 2 <sup>nd</sup> / 3 <sup>rd</sup>	-30 dBc / -20 dBc Typ	At rated output power
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	1000 Watt Max	At rated Pout
Input Power Protection	+3 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	<1 minute at rated Pout

### ENVIRONMENTAL CHARACTERISTICS

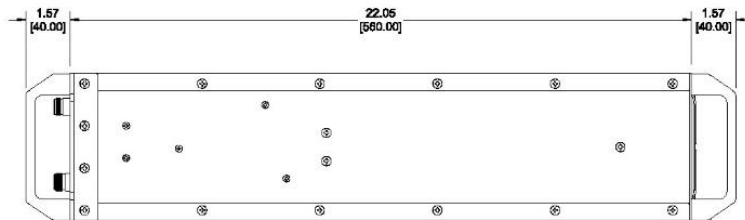
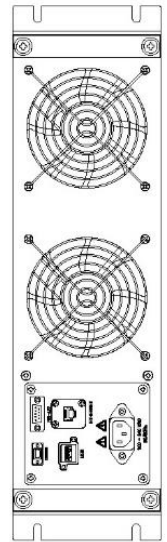
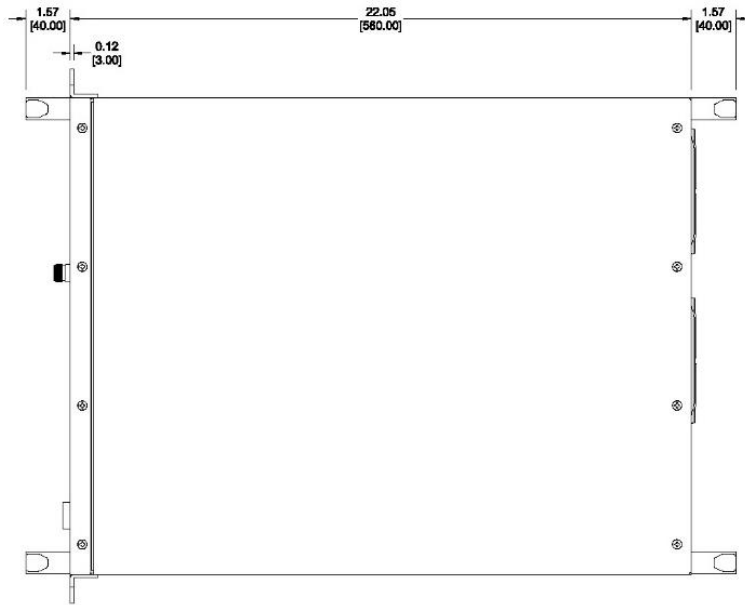
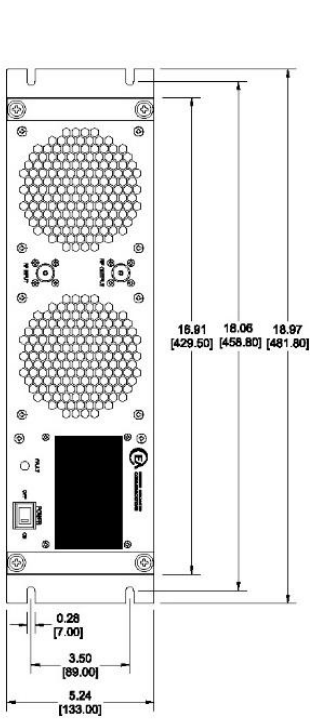
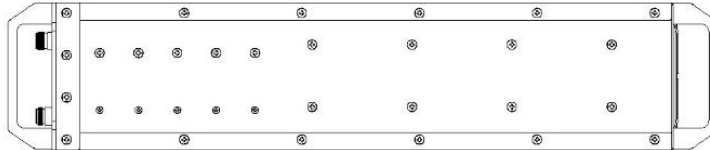
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

### MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 600 mm	3U - excluding handles
Weight	20 kg.	
RF Connectors In / Out	Type-N Female	Front or rear panel
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	Variable speed
<b>OPTIONAL:</b> Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	Optional Remote Bluetooth application

## OUTLINE DRAWINGS

### OPTIONAL LCD DIGITAL CONTROLLER



## MANUAL GAIN ADJUSTMENT

