



AMP2040 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	100 - 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 nd / 3 rd	-30 dBc / -20 dBc Typ	At rated output power
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	1200 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
OPTIONAL: 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



AMP2040
SOLID STATE HIGH POWER AMPLIFIER

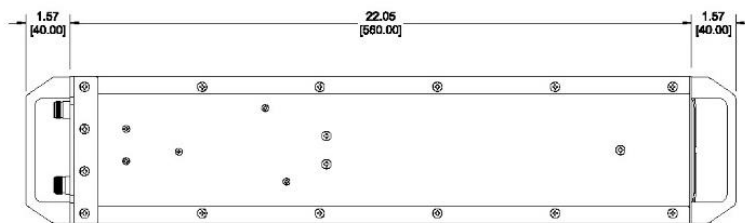
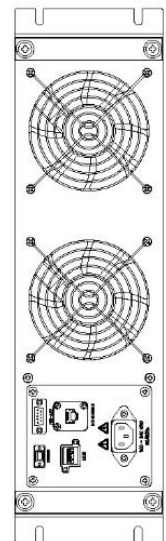
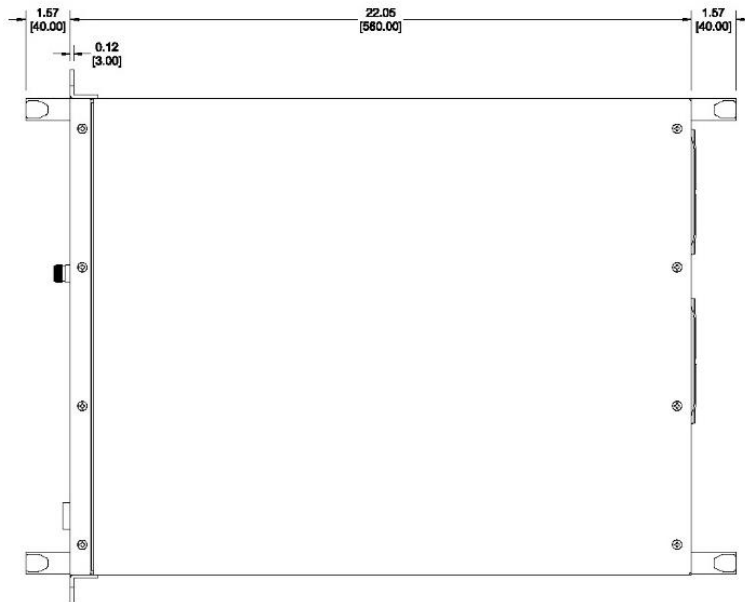
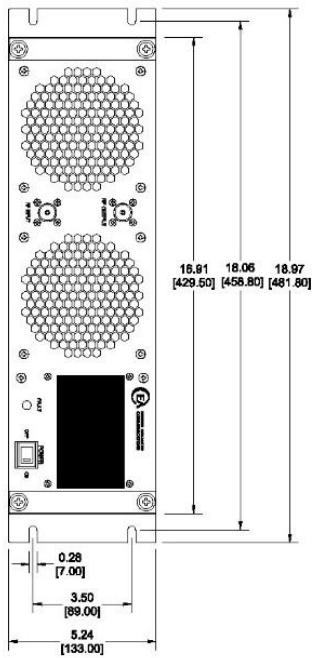
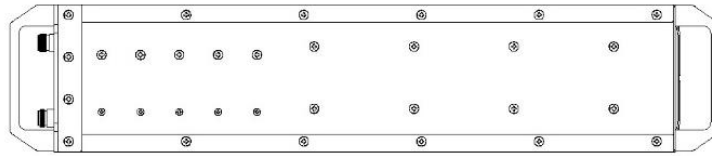


AMP2040 SOLID STATE HIGH POWER AMPLIFIER

OUTLINE DRAWINGS

OPTIONAL LCD DIGITAL CONTROLLER

AMP2040 SOLID STATE HIGH POWER AMPLIFIER



AMP2040 SOLID STATE HIGH POWER AMPLIFIER

MANUAL GAIN ADJUSTMENT

