



# AMP2020 SOLID STATE HIGH POWER AMPLIFIER

## FEATURES

- Class A-AB linear design
- Instantaneous wide bandwidth
- Rack mounted cabinet system
- Designed for EMI/RFI, lab, automotive, and general communication applications
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness



## ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	1.0 - 2.0 GHz	
Peak Output Power	1200 Watt Min	CW
Power Gain	61 dB Min	
Gain flatness	3.0 dB p-p Max	
Input /Output Return Loss	-10 dB Min Max	
2-Tone Intermodulation (IMD)	-30 dBc Typ	50dBm/Tone, Δ = 1MHz
Harmonics	<-20 dBc Typ	
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	180 - 240 VAC	
Power Consumption	5000 Watt Max	At rated Pout
Input Power Protection	+8 dBm Max	<10 Sec without damage
Load VSWR Protection	∞ : 1	<1 minute at rated Pout

## MECHANICAL SPECIFICATIONS

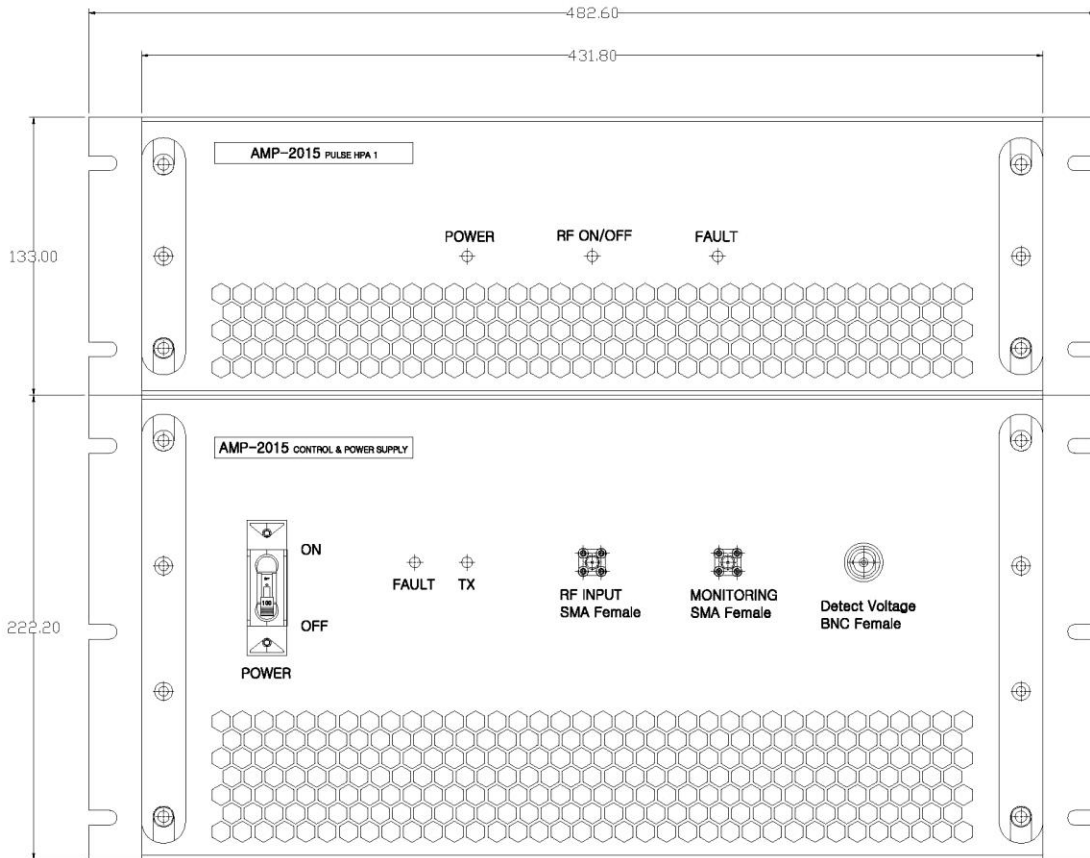
Parameter	Specification	Notes
Dimensions W x H x D	R5U + R3U	Without cabinet
Weight	-	
RF Connectors In/Out	Type N F / 7/16	Front Panel Standard
Cooling	Built in forced air	
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	Optional Remote Bluetooth application

## 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	Designed to meet

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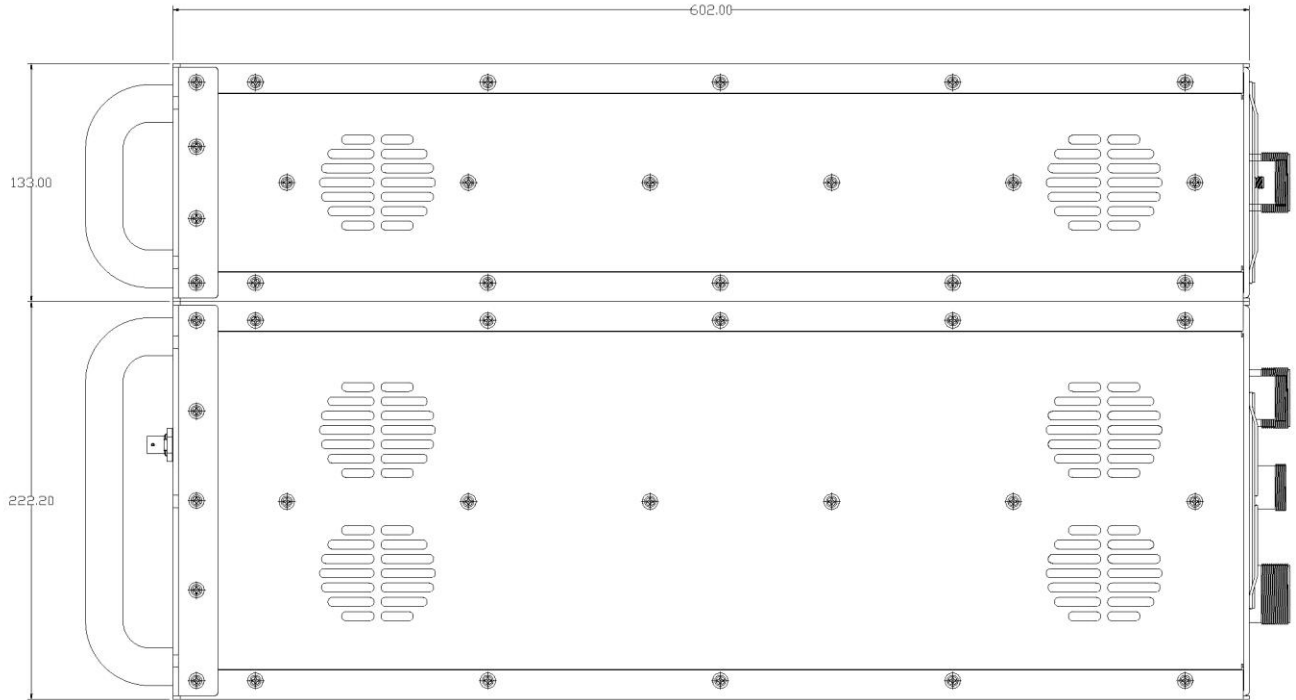
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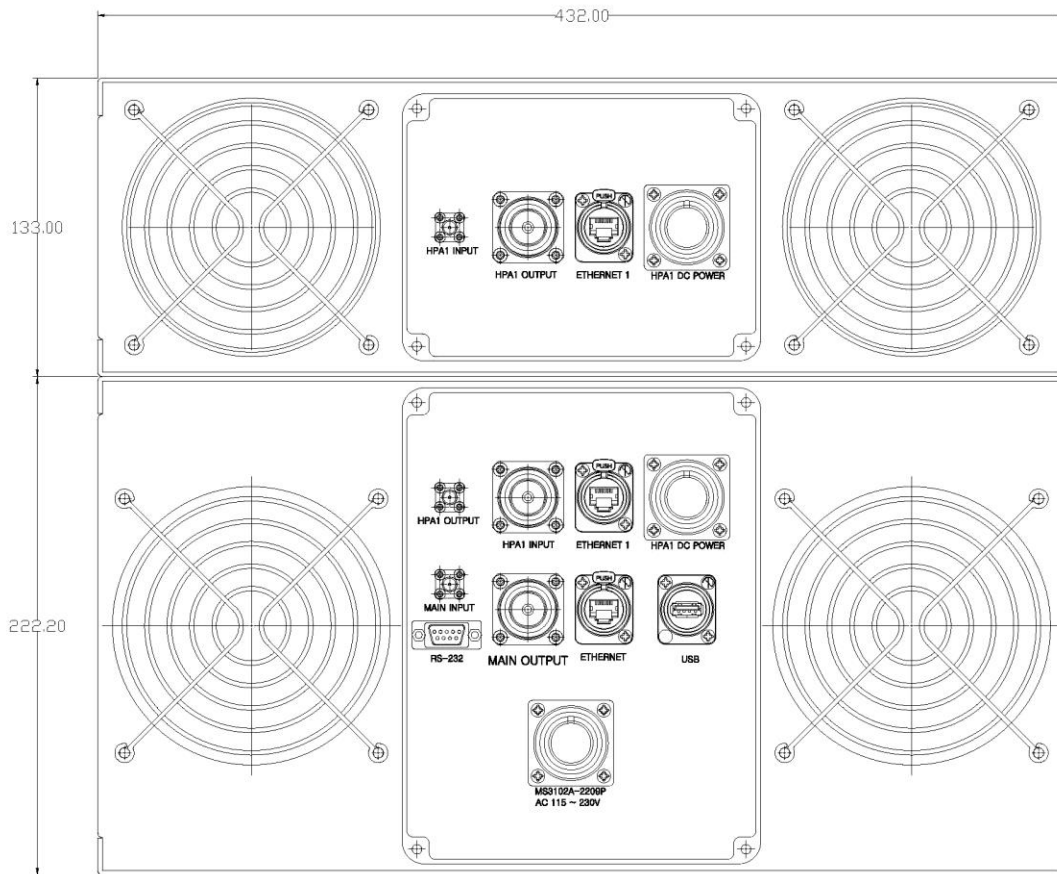


EXODUS ADVANCED  
COMMUNICATIONS

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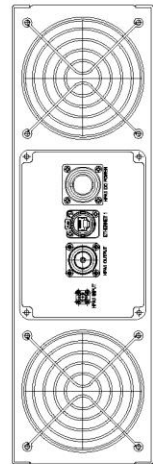
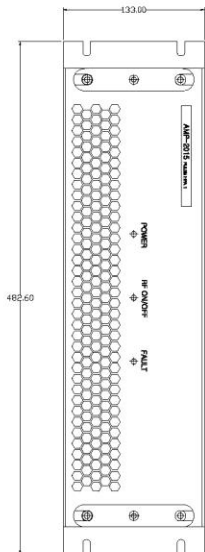
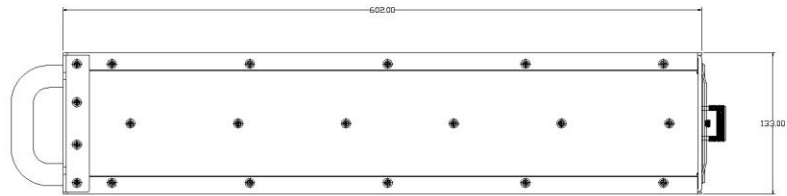


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