



# AMP2020 SOLID STATE HIGH POWER AMPLIFIER

## FEATURES

Small form factor rack mounted system  
 High power advanced GaN devices  
 Instantaneous bandwidth  
 Suitable for linear CW and composite signal applications  
 Built-in remote control, monitoring and protection circuits  
 High efficiency, reliability and ruggedness

## ELECTRICAL SPECIFICATIONS

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	
2-Tone Intermodulation (IMD)	>30 dBc Typ	50dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics	>20 dBc Typ	
Spurious	60 dBc Min	Non Harmonics
Operating Voltage	180 - 240 VAC	
Power Consumption	5000 Watt Max	At rated Pout
Max Input Power	+8 dBm	Without damage
Load VSWR Protection	$\infty : 1$	

## MECHANICAL SPECIFICATIONS

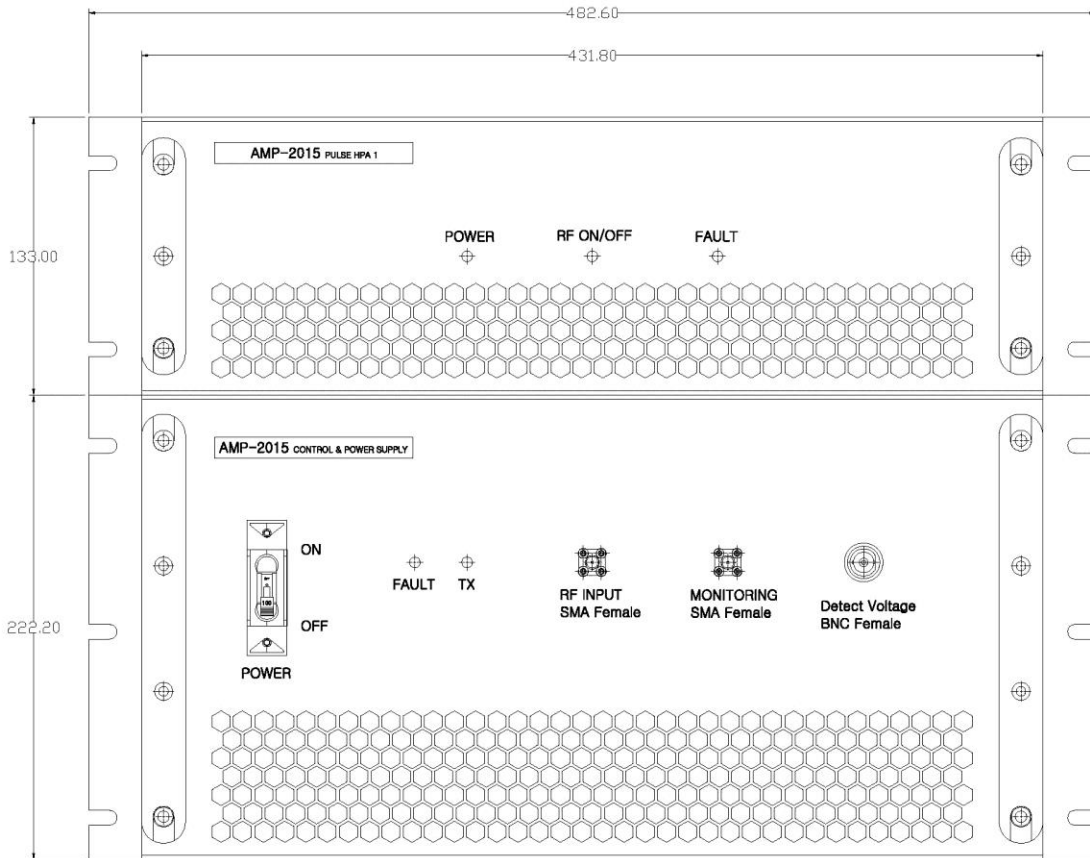
Parameter	Specification	Notes
Dimensions W x H x D	R5U + R3U	Without cabinet
Weight	-	
RF Connectors In/Out	Type N F / 7/16	
Cooling	Built in forced air	
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, GPIB Interface	Remote Bluetooth application

## 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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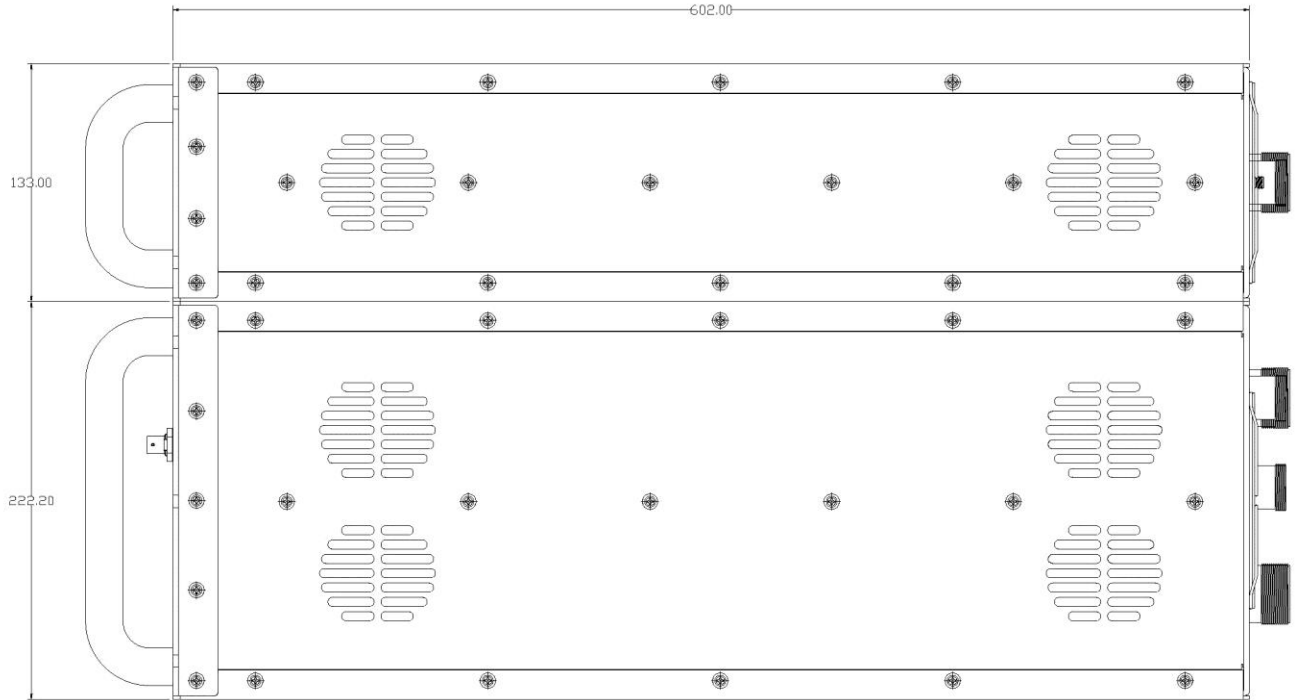
## OUTLINE DRAWING



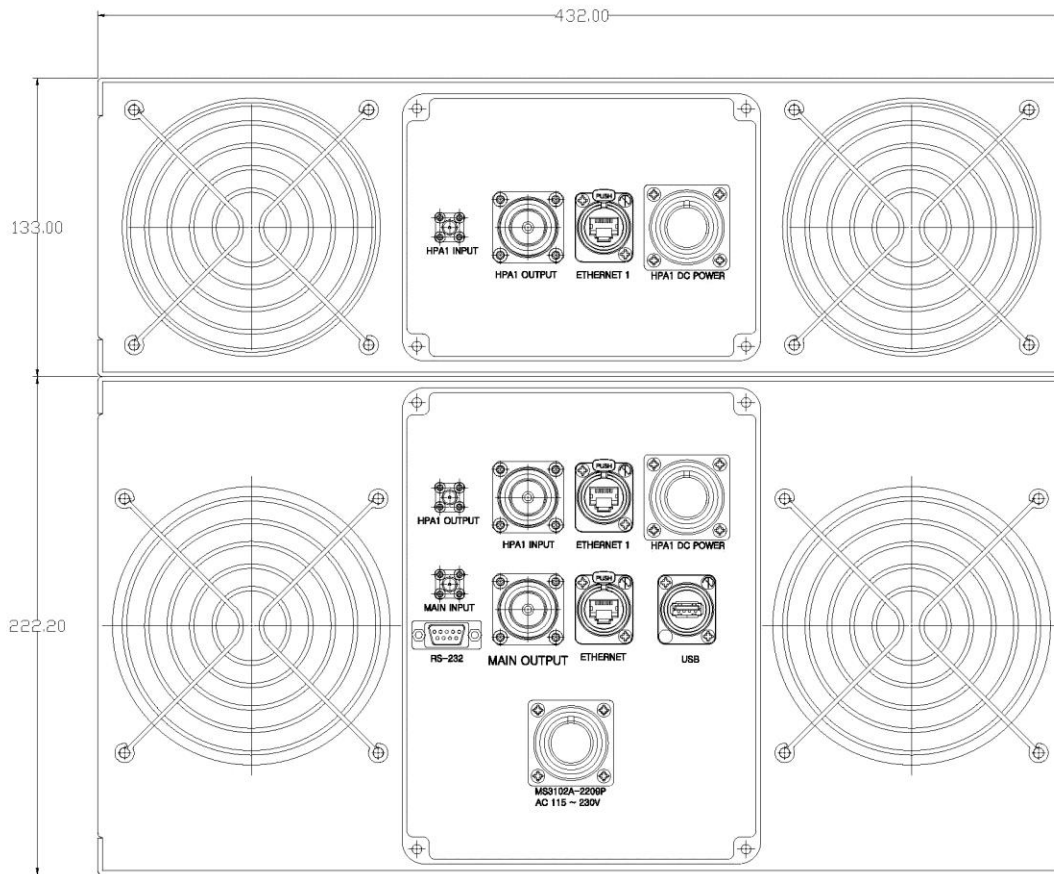


EXODUS ADVANCED  
COMMUNICATIONS

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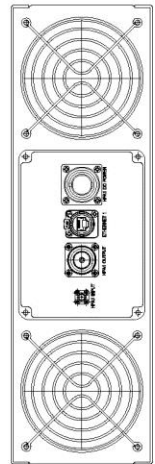
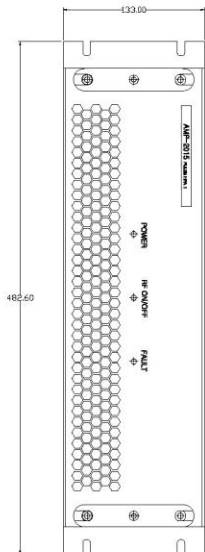
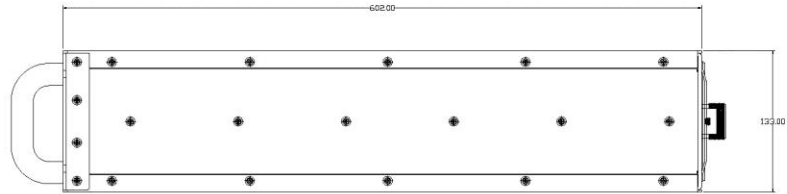


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