HD30090
SOLID STATE HIGH POWER AMPLIFIER

HD Communications Corp.

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, Δ = 1MHz
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	∞ : 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	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, Optional GPIB Interface	Remote Bluetooth application

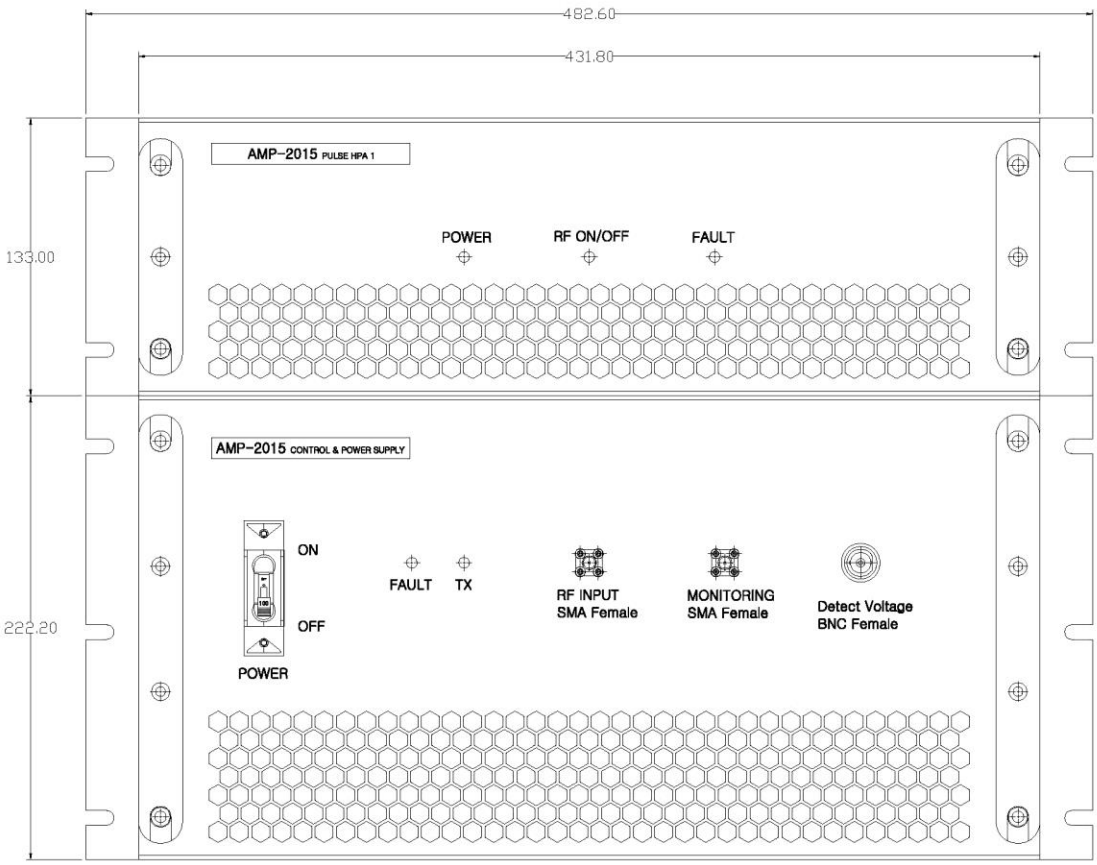
ENVIRONMENTAL CHARACTERISTICS

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	

332C Dante Ct. Holbrook, NY 11741 Phone: 631-588-3877 Fax: 631-648-0518
www.rfcomp.com www.rfamplifiers.com sales@hdcom.com

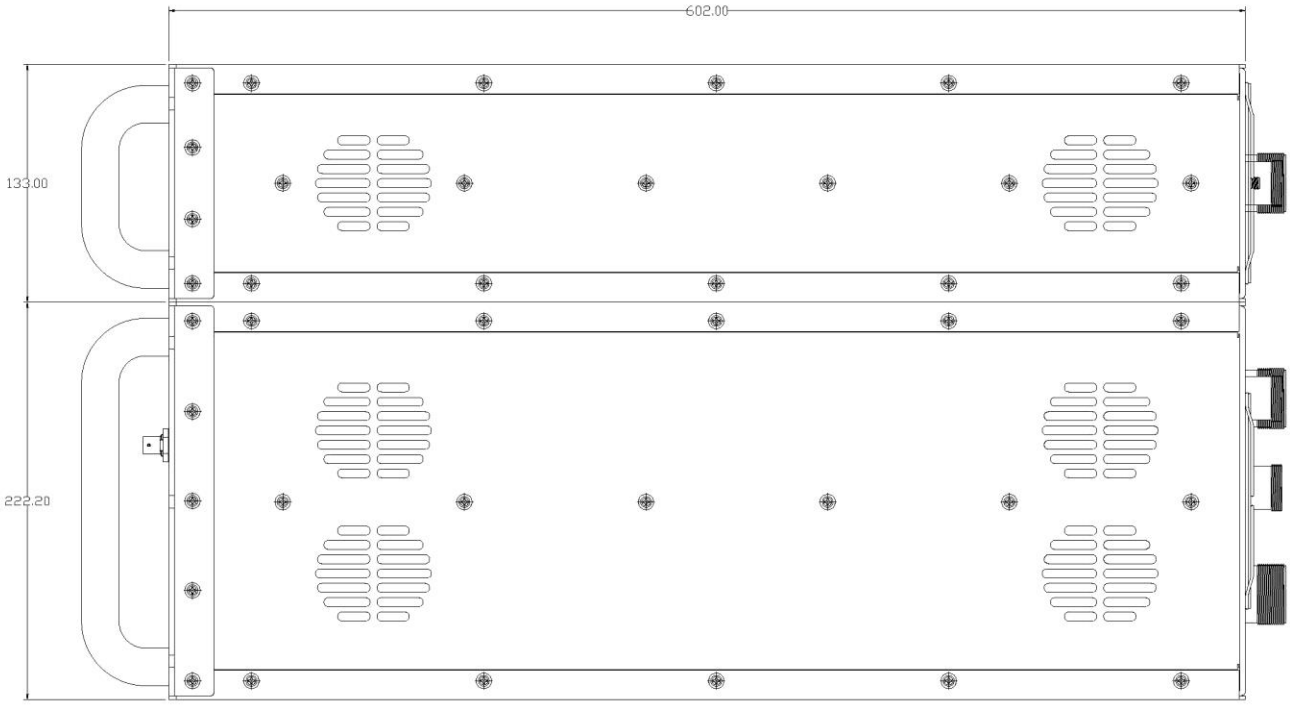
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OUTLINE DRAWING



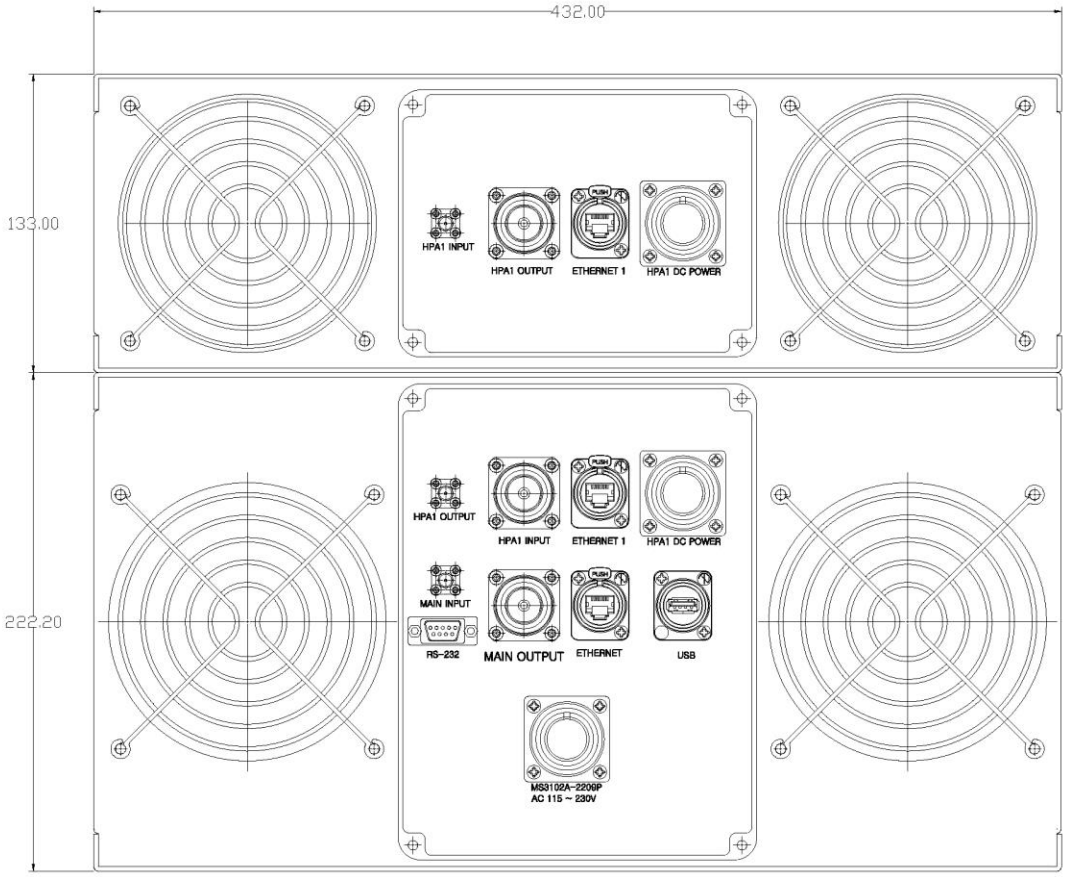
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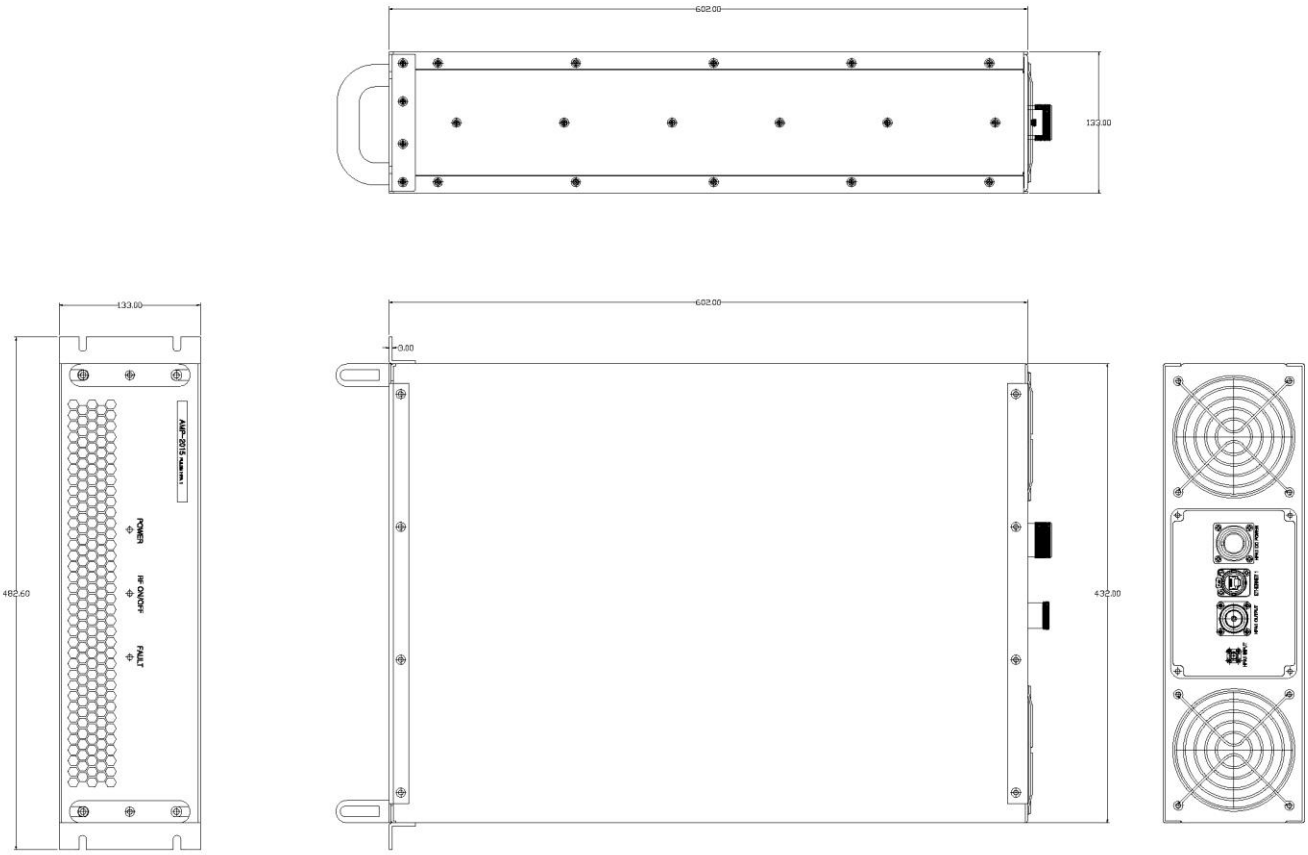
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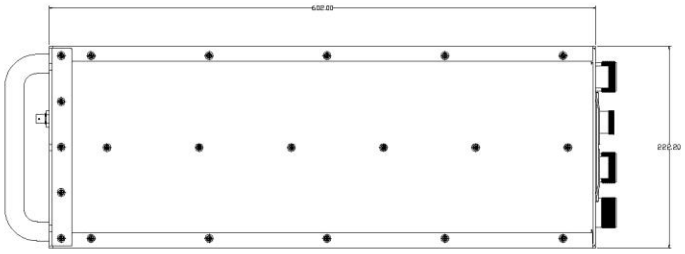
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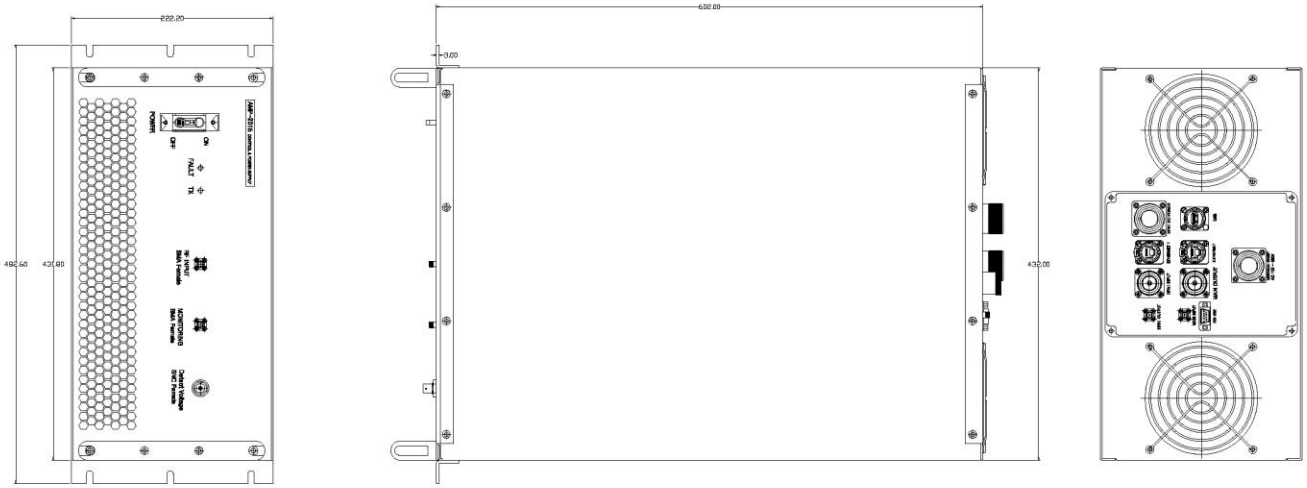
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