HD30962
SOLID STATE HIGH POWER AMPLIFIER

Communications Corp.



FEATURES

Designed L-Band high power pulse applications
Rack mounted system
Class AB linear GaN design
Built-in protection circuits
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification			Notes
Operating Frequency Range	1.575 GHz			Nominal
Power Output Pulse	2000 Watt Min			Peak Pulse
Input Pulse Characteristics	Width	Duty Cycle	PRF	Typical values
	5 µSec	2% Nom- 5% Max	10 KHz	
Power Gain	63 dB Min			
Input / Output Return Loss	10 dB Min			Relative to 50 Ohm
Harmonics	-30 dBc Max			At rated output
Non-Harmonic Spurious	-60 dBc Max			
Operating Voltage	100 - 240 VAC			
Power Consumption per Duty Cycle	300 Watt @ 2% / 500 Watt @ 5% Max			At rated output
Max Input Power	+27 dBm			Protection circuit
Load VSWR Protection	∞ : 1			

ENVIRONMENTAL CHARACTERISTICS

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

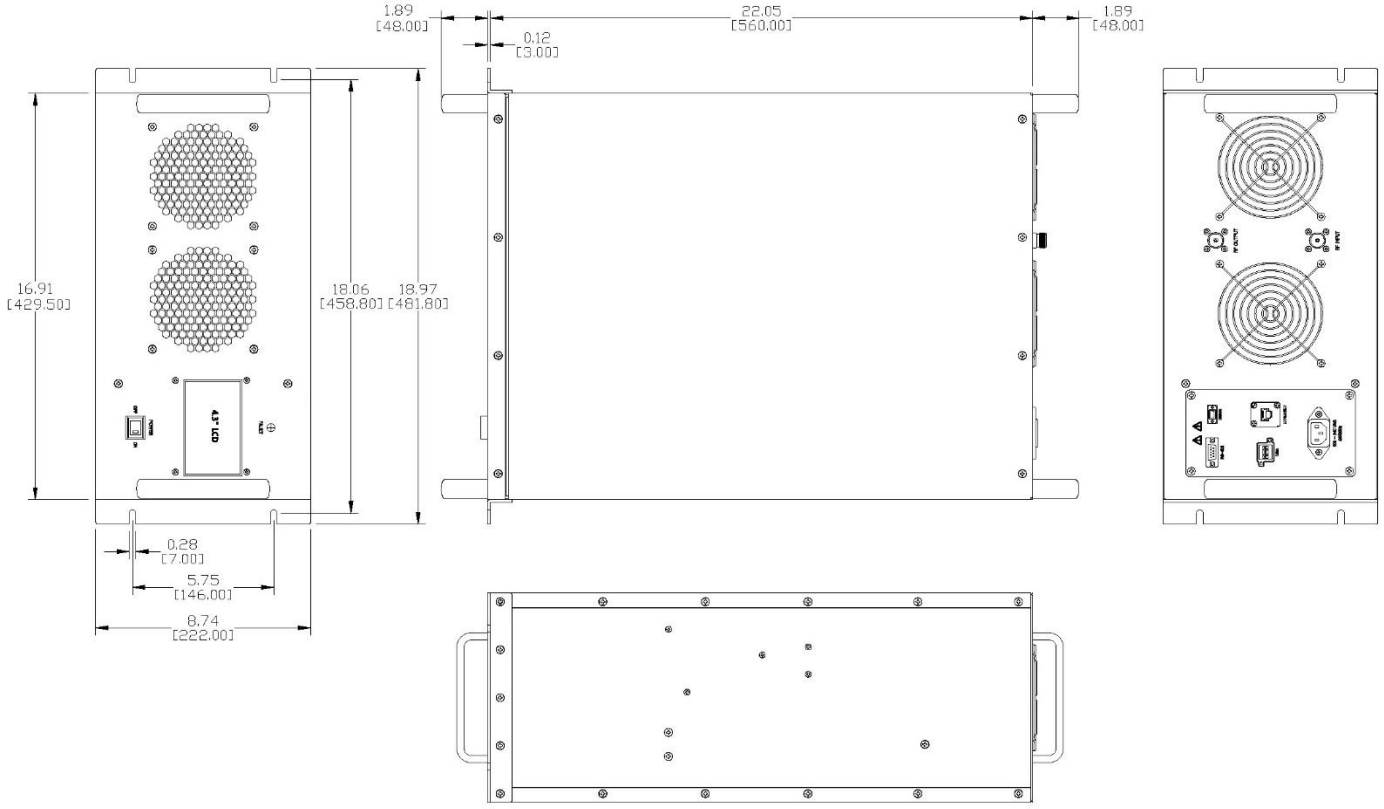
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	R5U	Per outline drawing
Weight	30 Kg. Max	
RF Connectors In/Out	Type-N Female	Front Panel Standard
AC Power	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
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 Optional GPIB Interface	Remote Bluetooth application

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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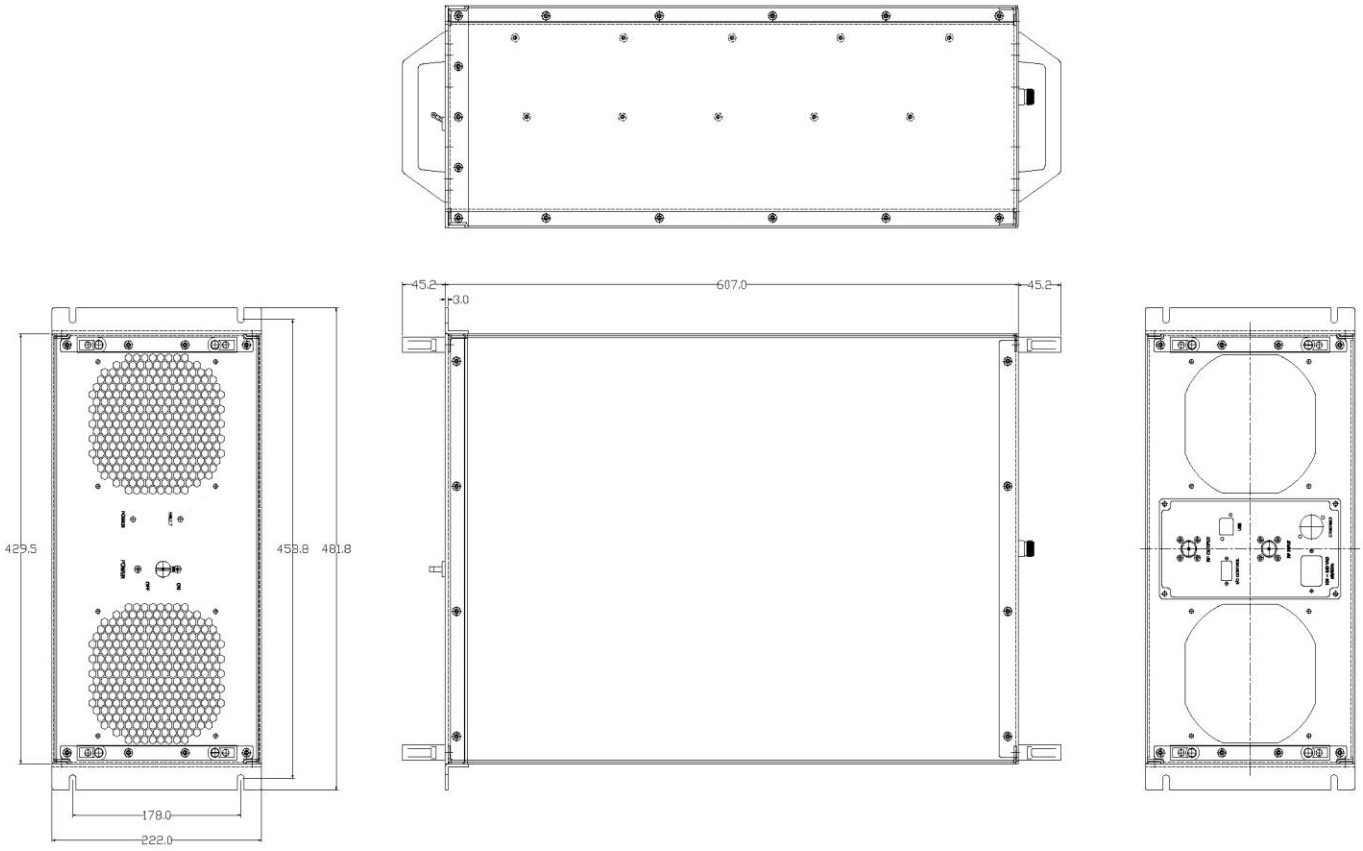
OUTLINE DRAWING – With Controller and Display Option



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- 5U System Outline (Rear Connectors Input N, Output N)



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