HD32128
SOLID STATE HIGH POWER AMPLIFIER

Communications Corp.

FEATURES

Rack mounted system
Class AB GaN linear design
Instantaneous wide bandwidth
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification		Notes
Model	**HD32128**	**HD32128A**	
Operating Frequency Range	1.2 - 2.2 GHz		
Power Output	200 Watt Min	250 Watt Min	
Power Gain	53 dB Min		1.0dB p-p over 200MHz BW
Power Gain Flatness	3.0 dB p-p Max		Constant input power
Input Return Loss	10 dB Min		Relative to 50 Ohm
2-Tone Intermodulation	-30 dBc Typ		43dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Max		At rated output
Non-Harmonics Spurious	-60 dBc Max		
Operating Voltage	100 - 240 VAC		
Power Consumption	1300 Watt Max	1500 Wat Max	At rated Pout
Max Input Power	+5 dBm		Without damage
Load VSWR Protection	5 : 1		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
Shock and Vibrations	Normal truck transport	
Altitude	10,000 feet Min	

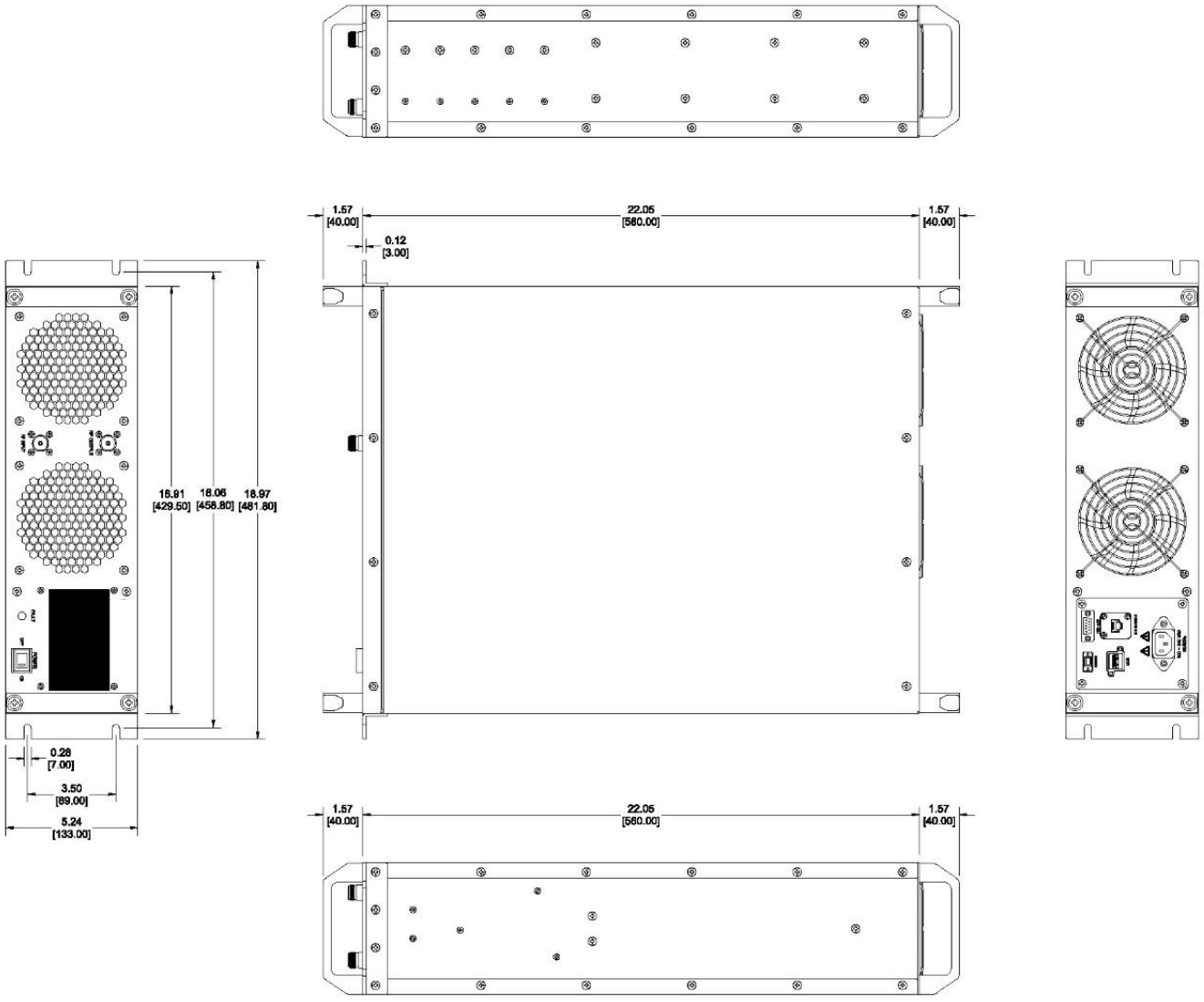
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm	3U - Excluding handles
Weight	20 kg.	
RF Connectors In / Out	Type-N Female	Rear Panel
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	Proportional variable speed
Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	

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OUTLINE DRAWING



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