HD Communications Corp.

HD32101
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Rack mounted system
Class AB linear GaAsFET Chip & Wire technology
Instantaneous wide bandwidth
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification		Notes
Operating Frequency Range	18 - 26.5 GHz		
Model	HD32101-10	HD32101-20	
Power Output CW	10 Watt Typical	20 Watt Min	Few frequency spots that could be marginal 10W.
Power Output @ P1dB	6 Watt Typ		
Power Gain	40 dB Min	43 dB Min	
Power Gain Flatness	4.0 dB p-p Max		Constant input power
Input Return Loss	10 dB Min		Relative to 50 Ohm
Harmonics	-20 dBc Typ		At rated Pout
Spurious	60 dBc Min		Non Harmonics
Operating Voltage	100 - 240 VAC		
Power Consumption	220 Watt Max	400 Watt Max	At rated Pout
Max Input Power Protection	+3 dBm		Without damage
Load VSWR Protection	5 : 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

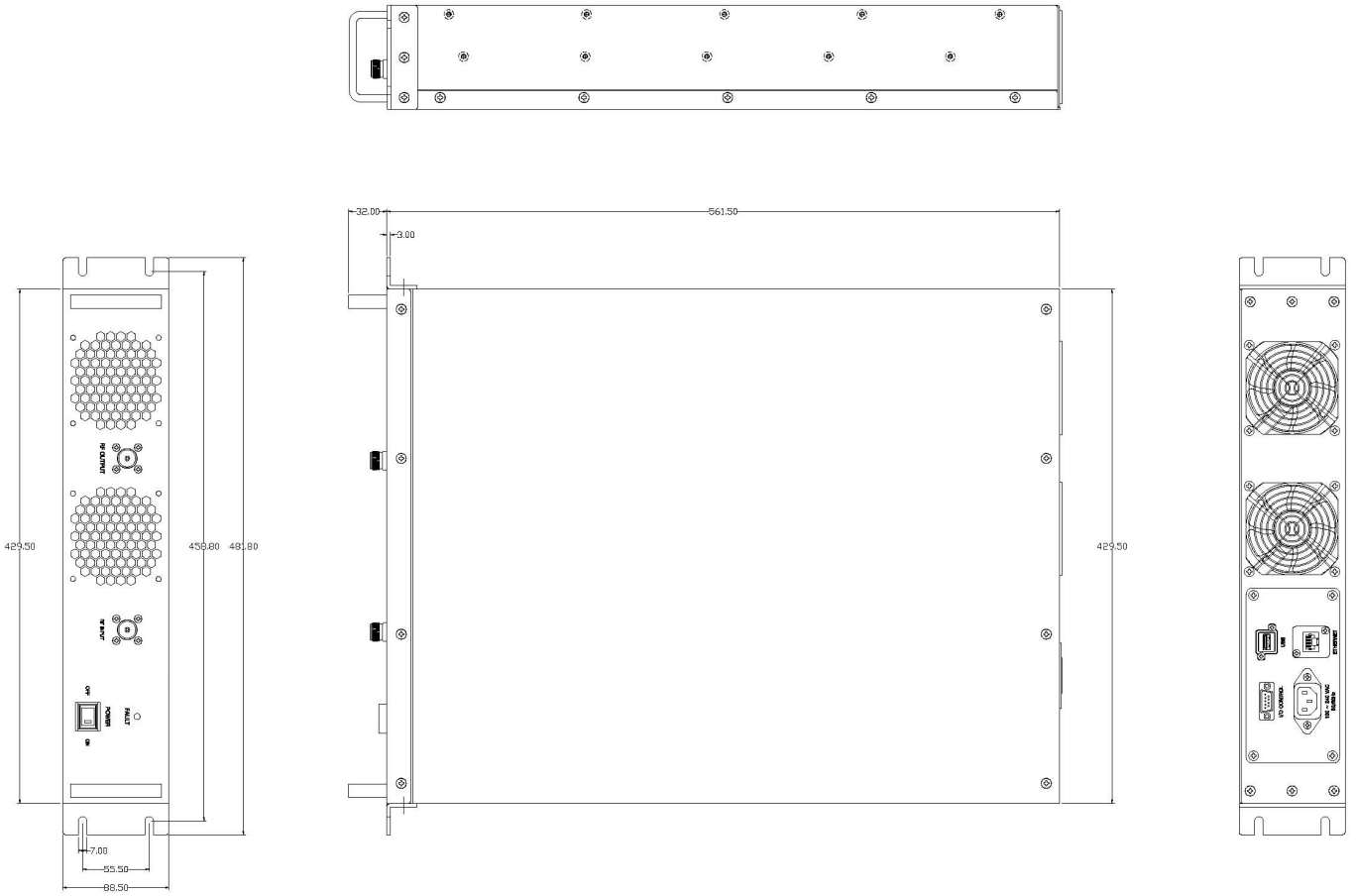
Parameter	Specification		Notes
Dimensions W x H x D	430 x 88 x 562 mm		2U
Weight	9 kg.	12 Kg.	
RF Connectors In/Out	2.9 mm (K / air type) Female		Optional Waveguide output
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub		
Cooling	Built in Fan Cooling		
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface		Remote Bluetooth application

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OUTLINE DRAWING



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