HD Communications Corp.

HD33380
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Class AB linear GaN design
Instantaneous whole S & C bands coverage
Designed for EMI/RFI, lab, and general communication applications
Suitable for all single channel modulation standards
Small and light weight rack mount system
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification		Notes
Band	**A**	**B**	
Operating Frequency Range Band B	1 - 6 GHz	6 - 18 GHz	
Power Output CW Band A / Band B	10 Watt Min		CW
Power Gain	40 dB Min		
Power Gain Flatness	4.0 dB p-p Max		Constant input power
Input Return Loss	-10 dB Max		Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ		30dBm per tone, Δ = 1MHz
Harmonics	-20 dBc Typ		At rated Pout
Spurious	-60 dBc Max		Non-harmonics
Operating Voltage	100 - 240 VAC		
Power Consumption	250 Watt Max		At rated Pout
Input Power Protection	+8 dBm Max		<10 Sec without damage
Load VSWR Protection	∞ : 1		<1 minute 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

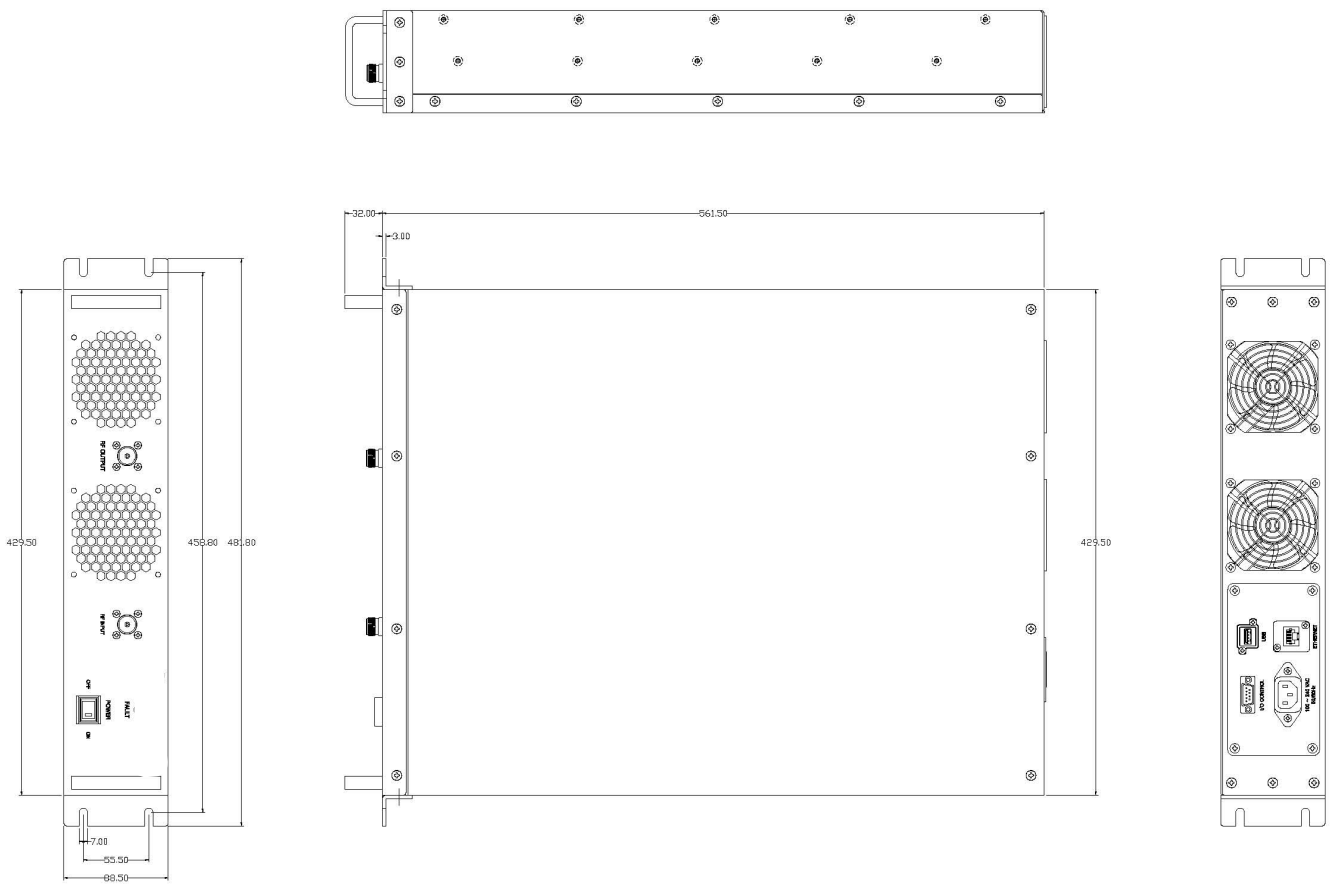
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 88 x 562 mm	2U, excluding handles
Weight	10 kg.	
RF Connectors In/Out	Hi Freq. Type-N Female	Front or rear panel
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, USB	Remote Bluetooth application

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OUTLINE DRAWING



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