HD Communications Corp.

HD32841
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Class AB linear GaN design
Rack mounted system
Instantaneous ultra-wide bandwidth
Suitable for broadband EMI/RFI, Lab, Comm. and EW applications
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification			Notes
Operating Frequency Range	500 - 3000 MHz			
Power Output Pulse	200 Watt Min			
Pulse Characteristics	**Width**	**Duty**		
	50 µS	5 %		
Power Gain	53 dB Min			
Power Gain Flatness	4.0 dB p-p Max			Constant input power
Input / Output Return Loss	-10 dB Max			Relative to 50 Ohm
Harmonics	-20 dBc Typ			At rated output power
Spurious	-60 dBc Max			Non-harmonics
Operating Voltage	100 - 240 VAC			
Power Consumption	400 Watt			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

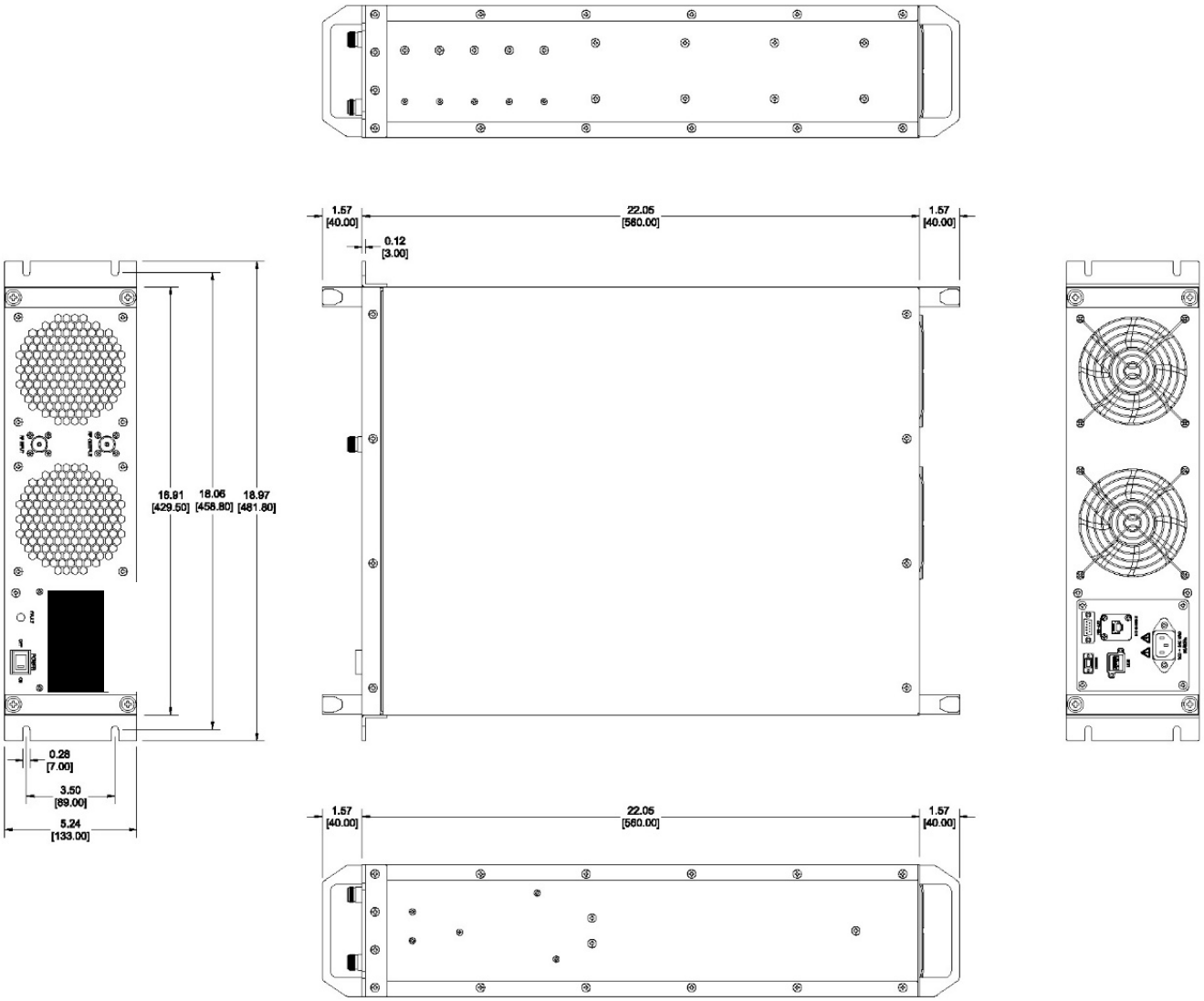
Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm	R3U Rack Mount Chassis
Weight	20 kg.	
RF Connectors In / Out	Type-N Female	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	Remote Bluetooth application

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OUTLINE DRAWING



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