HD Communications Corp.

HD32154
SOLID STATE HIGH POWER AMPLIFIER



FEATURES

Ku-Band high power CW applications
Rack mounted system
Linear high power GaN design
Built-in protection circuits
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	14.4 - 14.6 GHz	Nominal
Power Output @ Psat	150 Watt Min	CW
Power Gain	52 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	1500 Watt Max	At rated output
Max Input Power Protection	+3 dBm	<10 Sec without damage
Load VSWR Protection	∞ : 1	Output isolator

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

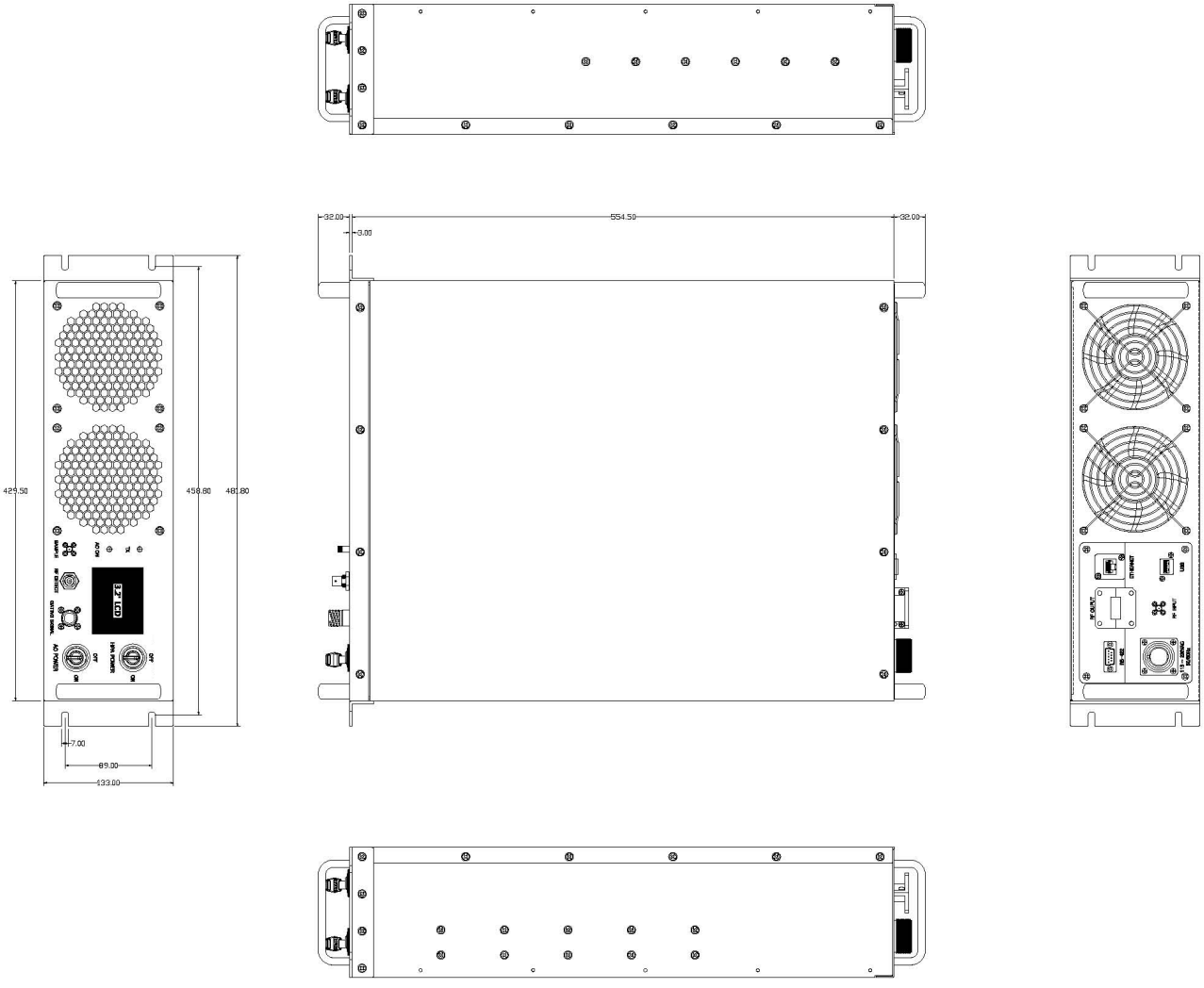
Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm	3U
Weight	20 kg. Max	
RF Connectors In/Out	Type-N Female / WR75	Front Panel Standard
AC Power	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	

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OUTLINE DRAWING – Shown with LCD Controller Option



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