HD Communications Corp.

HD32337
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

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



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	8.0 - 18.0 GHz	
Power Output @ Psat	80 Watt Min / 100 Watt Typ	CW
Power Gain	50 dB Min	
Power Gain Flatness	4 dB p-p Max	Constant input power
Input / Output Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	39dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	At rated output
Spurious	60 dBc Min	Non-harmonic
Operating Voltage	180 - 240 VAC	
Power Consumption	1200 Watt Max	At rated output
Input Power Protection	+3 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 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-condensation

MECHANICAL SPECIFICATIONS

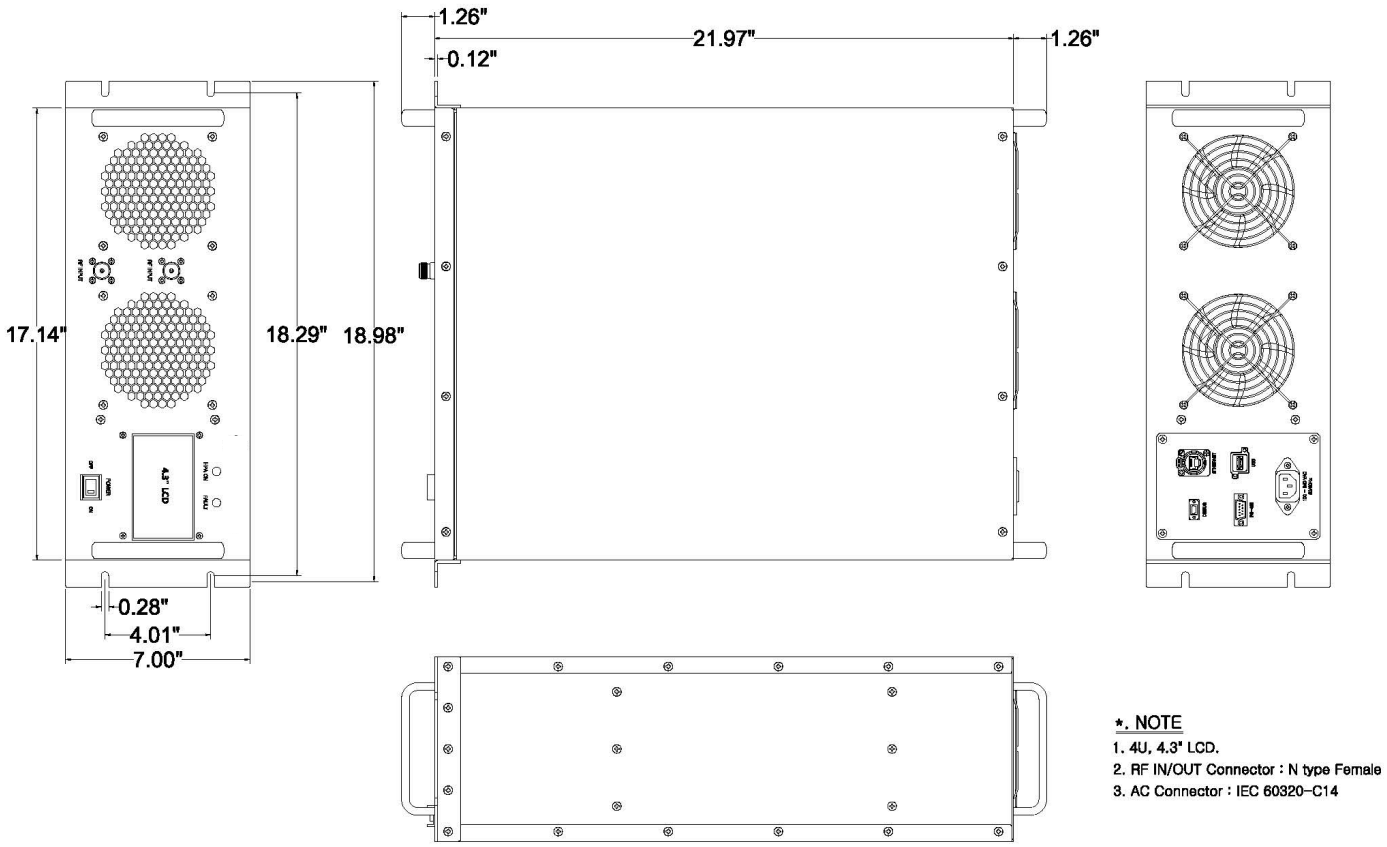
Parameter	Specification	Notes
Dimensions W x H x D	483 x 178 x 560 mm (19” x 7” x 22”)	R4U
Weight	35 Kg. (75 lb.)	
RF Connectors In / Out	Hi Freq. SMA F / WG	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Liquid Cooling	Closed circuit
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	

332C Dante Ct. Holbrook, NY 11741 Phone: 631-588-3877 Fax: 631-648-0518
www.rfcomp.com www.rfamplifiers.com sales@hdcom.com

HD Communications Corp.

HD32337
SOLID STATE HIGH POWER AMPLIFIER

OUTLINE DRAWING



★. NOTE
1. 4U, 4.3" LCD.
2. RF IN/OUT Connector : N type Female
3. AC Connector : IEC 60320-C14

332C Dante Ct. Holbrook, NY 11741 Phone: 631-588-3877 Fax: 631-648-0518
www.rfcomp.com www.rfamplifiers.com sales@hdcom.com