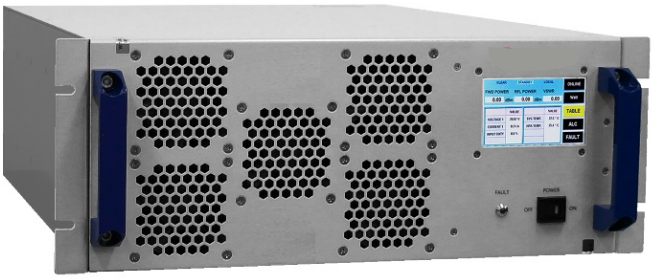
HD Communications Corp.

HD33855
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Rack mounted system
Class A/AB linear design
Instantaneous wide bandwidth
Designed for EMI/RFI, lab, and general communication applications
Suitable for all single channel modulation standards
Local LCD & remote flexible interfaces
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	18.0 - 26.5 GHz	
Power Output CW	20 Watt Min	25-30 Watt Typ
P1dB Power	10 Watts Min	
Power Gain	44 dB Min	
Power Gain Flatness	4.0 dB p-p Max	Constant input power
Input Return Loss	-10 dB Max	
2-Tone Intermodulation (IMD)	-30 dBc Typ	34dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Max	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	450 Watt Max	
Input Power Protection	+3 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	Auto shutdown @ 5:1 load VSWR
Sample Port Coupling	-40 dB	K-F (2.9mm)

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
Shock & Vibration	MIL-STD-810E	Designed to meet

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	483 x 178 x 560 mm	4U - Excluding handles
Weight	25 Kg. Nom	
RF Connectors In / Out / Sample Port	2.9 mm KF/WR42/ 2.9 mm KF	Front or rear panel
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling (Quiet Cool design)	60dBa-Typ- Air-Liquid Cooled	Built in pump (closed loop)
EMI SERIES: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	

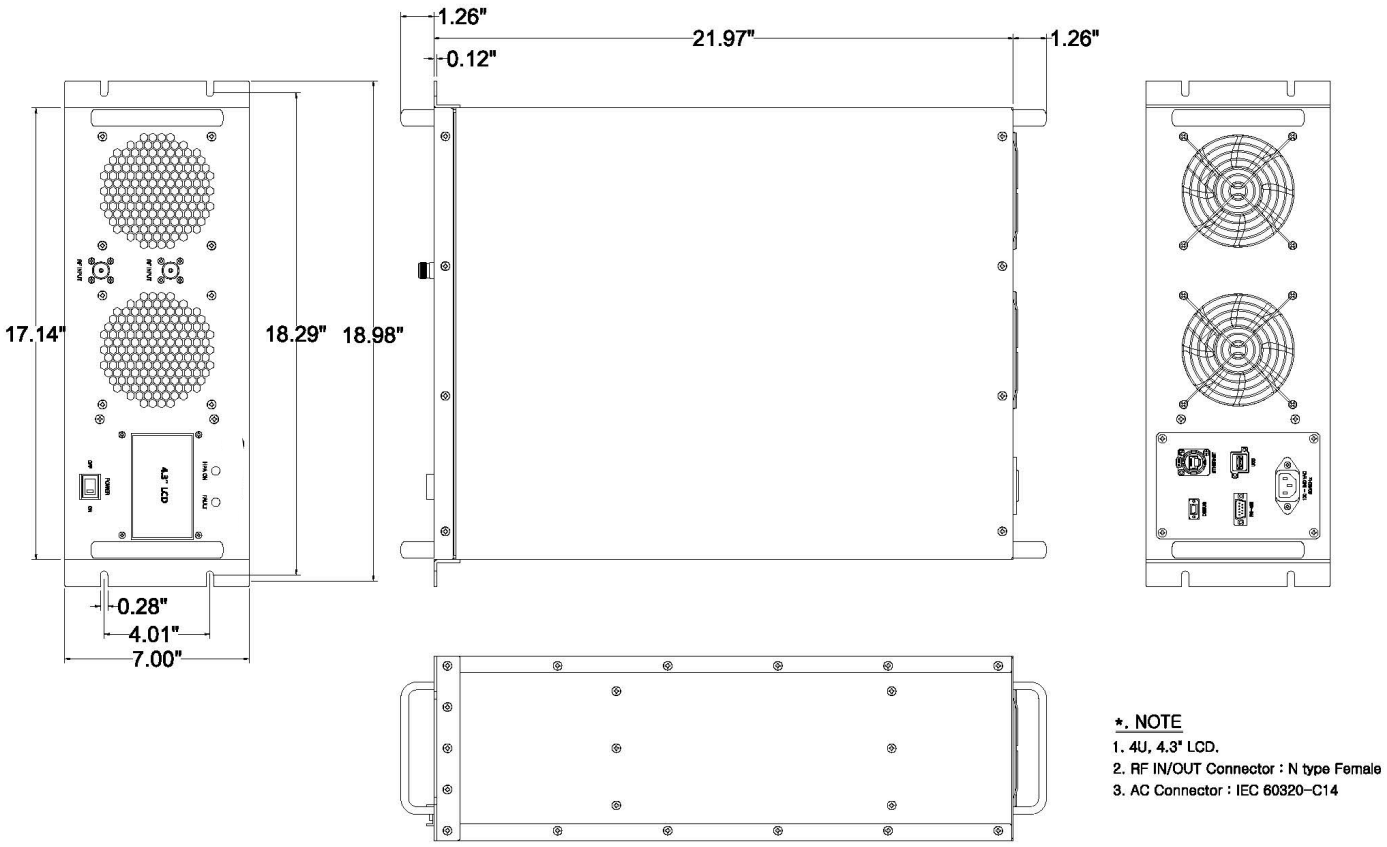
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338 Jericho Turnpike, Unit 387. Syosset, NY 11791 sales@hdcom.com
www.rfamplifiers.com www.rfcomp.com

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OUTLINE DRAWING



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

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