HD33934
SOLID STATE HIGH POWER AMPLIFIER

HD Communications Corp.

FEATURES

Small and light weight bench top chassis
Class AB linear GaN Hybrid design
Instantaneous Ultra-broadband
Suitable for all single channel modulation standards
Built-in protection circuits
Universal voltage AC power supply
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	2.0 - 18.0 GHz	
Power Output @ Psat	5 Watt Min	CW
Power Gain	37 dB Min	
Power Gain Flatness	4.0 dB p-p Max	
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	27dBm/Tone, Δ = 1MHz
Harmonics	-25 dBc Typ	At rated Pout
Non Harmonics Spurious	60 dBc Min	Non Harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	150 Watt Max	At rated Pout
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

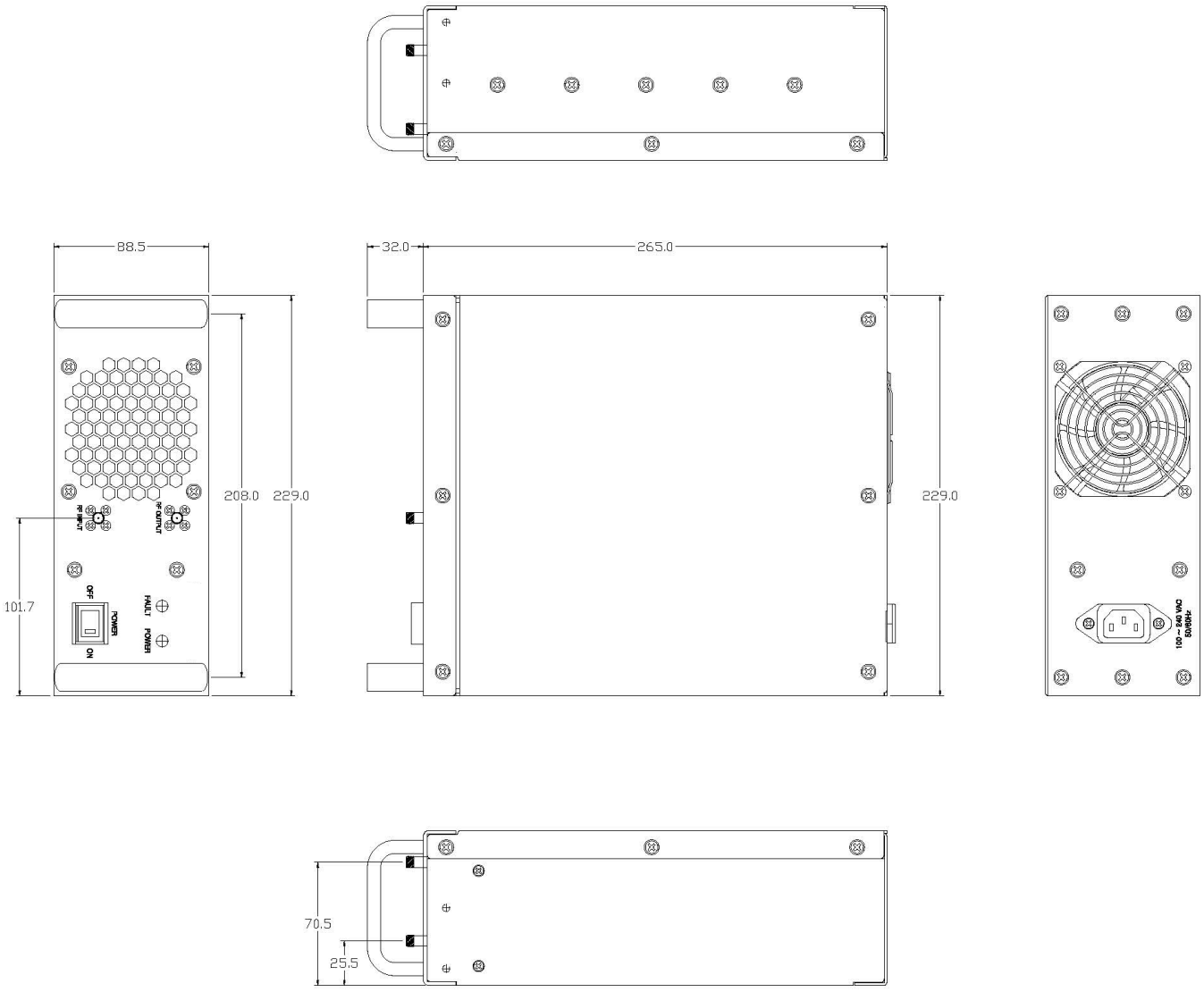
Parameter	Specification	Notes
Dimensions W x H x D	230 x 88 x 265 mm	2U benchtop
Weight	8 kg.	
RF Connectors In/Out	Type-N Female	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface	Available in a 2U chassis

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

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OUTLINE DRAWING



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