HD31014
SOLID STATE HIGH POWER AMPLIFIER



FEATURES

Small and light weight bench top chassis
Class AB linear GaAs FET design
Instantaneous bandwidth
Suitable for all modulations standards
Built-in protection circuits
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	18 - 26.5GHz	
Power Output	4 Watt Min / 5 Watt Typ	CW
Power Gain	37 dB Min	
Power Gain Flatness	5.0 dB p-p Max	At rated Pout
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	>30 dBc Typ	26dBm/Tone, Δ = 1MHz
Harmonics	>25 dBc Typ	At rated Pout
Non Harmonics Spurious	60 dBc Min	Non Harmonics
Noise Figure	10 dB Max	
Operating Voltage	100 - 240 VAC	50/60Hz
Power Consumption	90 Watt Max	At rated Pout
Max Input Power	+5 dBm	Without damage
Load VSWR Protection	5 : 1	

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

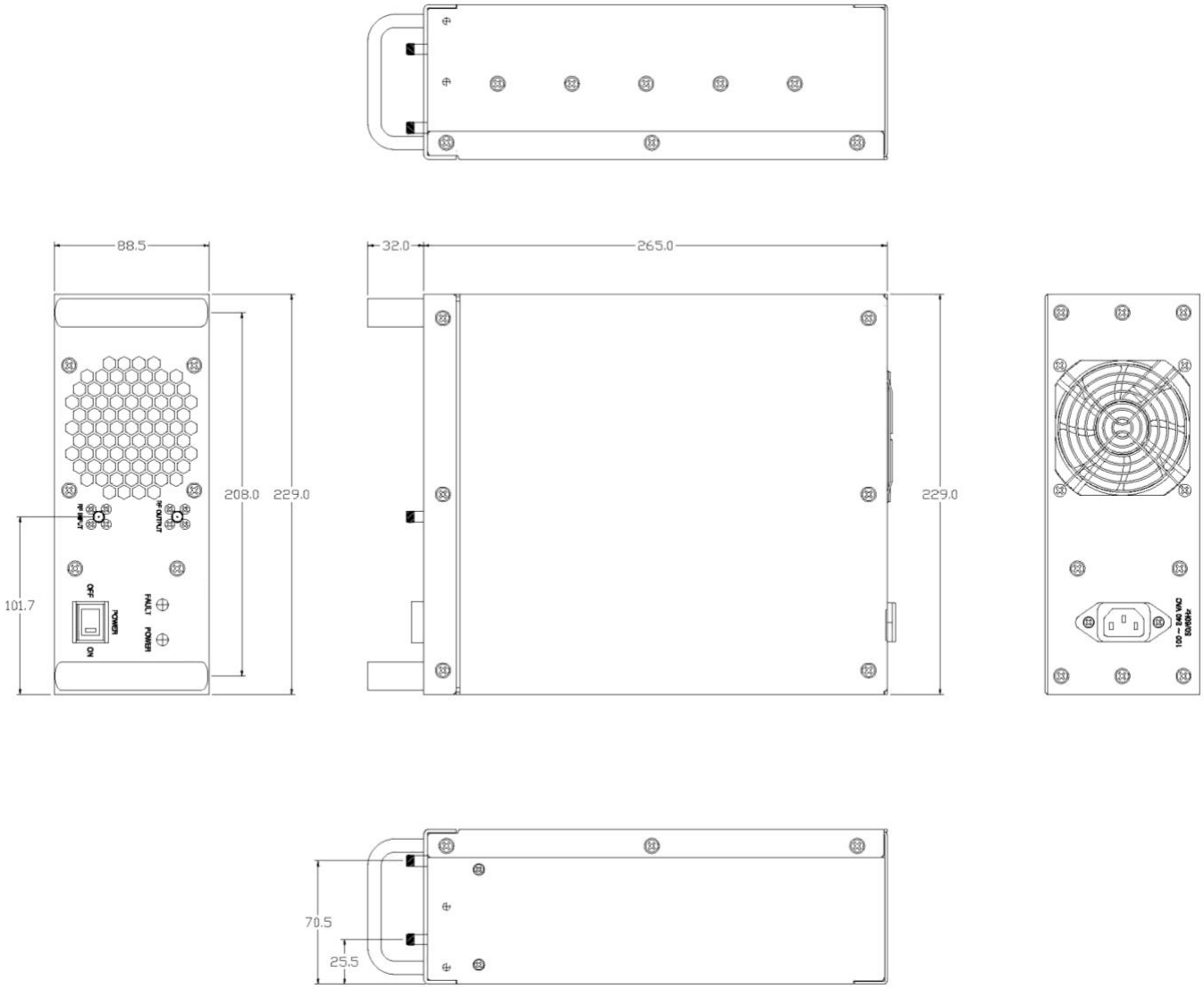
Parameter	Specification	Notes
Dimensions W x H x D	265 x 88 x 229 mm	2U Bench Top
Weight	7 kg.	
RF Connectors In/Out	SMA Female	Front Panel Standard
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	

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Communications Corp.

OUTLINE DRAWING



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