HD32140
SOLID STATE HIGH POWER AMPLIFIER

Communications Corp.

FEATURES

Small and light weight bench top chassis
Class AB linear GaN hybrid design
Suitable for all single channel modulations standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	21.70 GHz ±300 MHz	
Power Output @ Saturation	3 Watt Typ	CW
Power Output @ P1dB GCP	2 Watt Min	CW
Power Gain	33 dB Min	
Power Gain Flatness	1.0dB p-p Max	
Input Return Loss	12 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	>30dBcTyp	23dBm/Tone, Δ = 1MHz
Harmonics	>30 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	80 Watt Max	At rated Pout
Max Input Power	0dBm	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

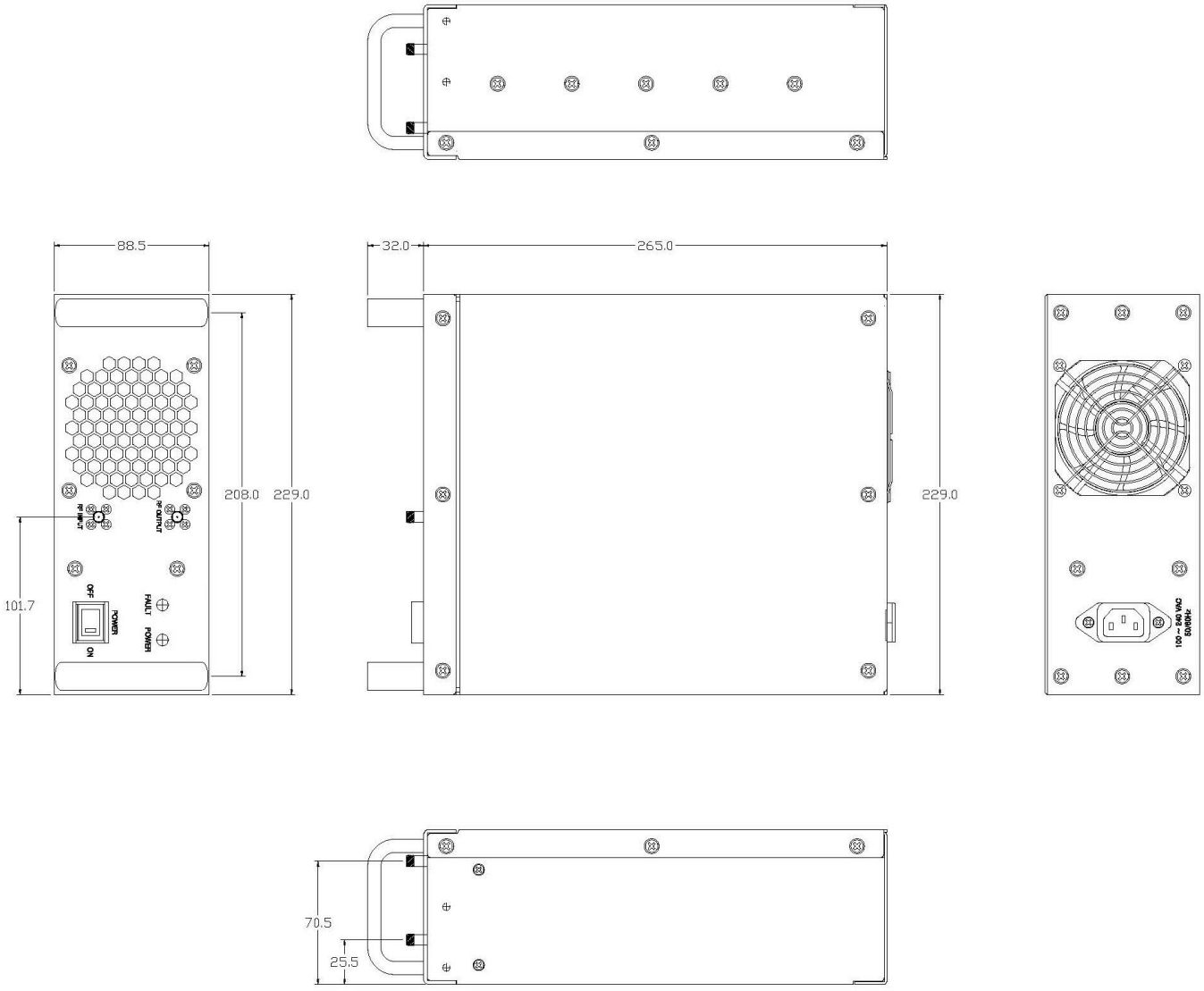
Parameter	Specification	Notes
Dimensions W x H x D	265 x 88 x 229 mm	2U
Weight	4 kg.	
RF Connectors In/Out	Hi Freq. SMA-F	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	

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OUTLINE DRAWING



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