HD32137
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Designed for X-Band high power CW applications
Class AB linear GaN hybrid design
Suitable for all single channels modulations standards
Built-in protection circuits
High reliability and ruggedness
Rack mounted system



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	10 GHz ±0.25 GHz	
Power Output	90 Watt Min / 100 Watt Typ	CW
Power Gain	50 dB Min	
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	>30 dBc Typ	37dBm/Tone, Δ = 1MHz
Harmonics	>30 dBc Min	At rated Pout
Non Harmonics Spurious	60 dBc Min	Non Harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	800 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 +60 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non Condensation

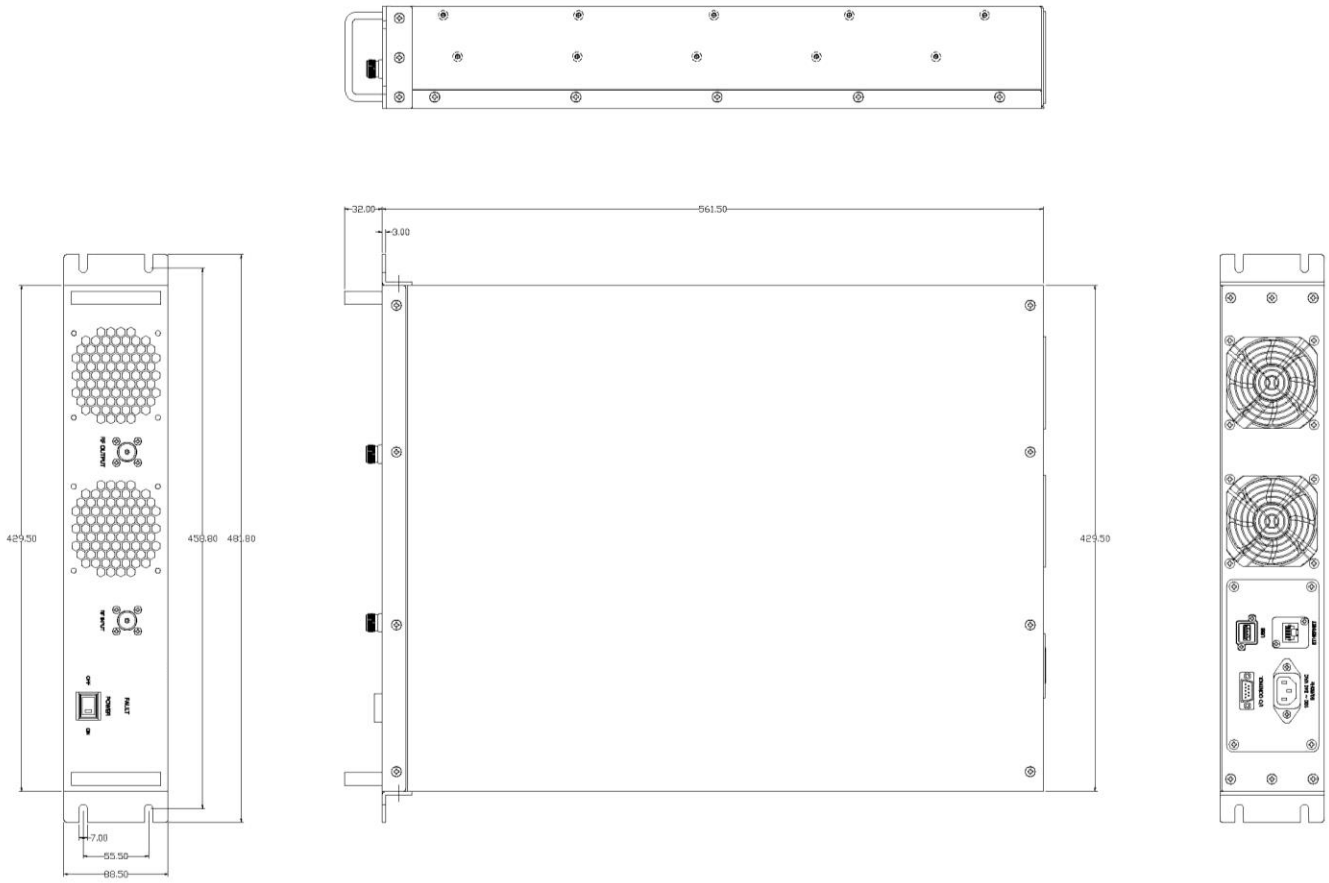
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 88 x 562 mm	2U
Weight	12 kg. Max	
RF Connectors In/Out	Type-N Female	Front Panel Standard
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	Remote Bluetooth application

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OUTLINE DRAWING



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