HD30964
SOLID STATE HIGH POWER PULSE AMPLIFIER

FEATURES

Rack mounted system
Class AB linear design
Suitable for S-Band Pulse Application
TWT Driver
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification			Notes
Operating Frequency	2.7 - 3.1. GHz			
Power Output	300 Watt Min			Peak Pulse
Power Gain	18 dB Typ			Input Power 0.45-0.6W
Pulse Characteristics	Width	PRF	Droop	
	12.5µS	1000	<1dB	
Pulse Rise / Fall Time	100 nS Max			
Pulse to Pulse Amplitude stability	0.1 dB			
Pulse Jitter	2 nS Max			
Input Return Loss	14 dB Min			Relative to 50 Ohm
Operating Voltage	100 - 240 VAC			
Power Consumption	200 Watt Avg			300W Peak Pulse
Harmonics	<30 dBc Typ			
Load VSWR Protection	∞ : 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

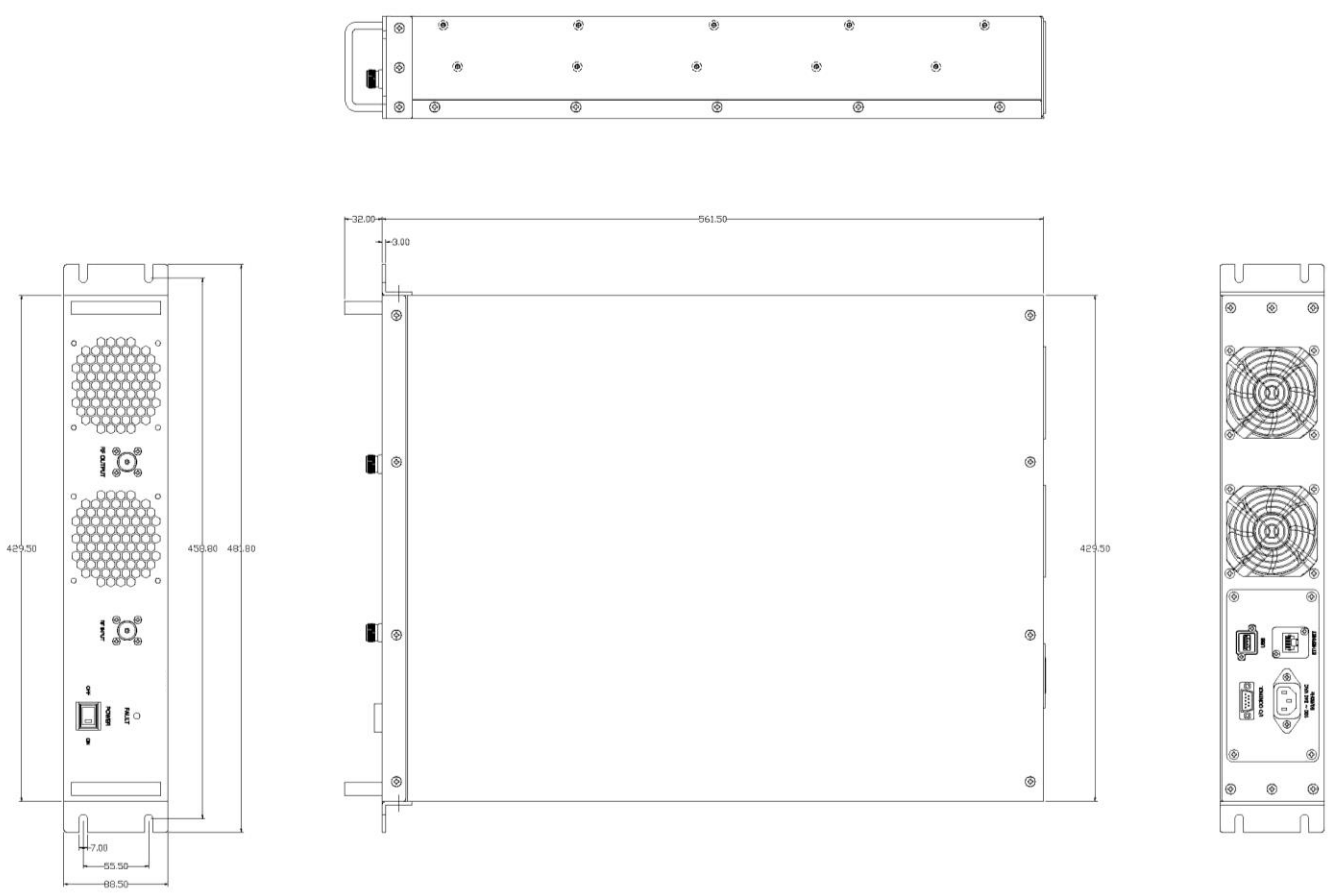
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 88 x 562 mm	2U
Weight	9 kg.	
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, Optional GPIB Interface	Remote Bluetooth application

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OUTLINE DRAWING



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