HD32144
SOLID STATE HIGH POWER PULSE AMPLIFIER

FEATURES

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



ELECTRICAL SPECIFICATIONS

Parameter	Specification			Notes
Operating Frequency	11.424 ±0.1 GHz			
Peak Power Output	500 Watt Min			Peak Pulse
Power Gain	57 dB Typ			
Pulse Characteristics	Width	PRF	Droop	
	10µS	200	<1dB	
Pulse Rise / Fall Time	100 nS Max			
Pulse to Pulse Phase Jitter	<1 Deg			
Pulse Amplitude Jitter	<1 %			
Input Return Loss	14 dB Min			Relative to 50 Ohm
Operating Voltage	100 - 240 VAC			
Efficiency	15 % Min			
Harmonics	<30 dBc Typ			
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

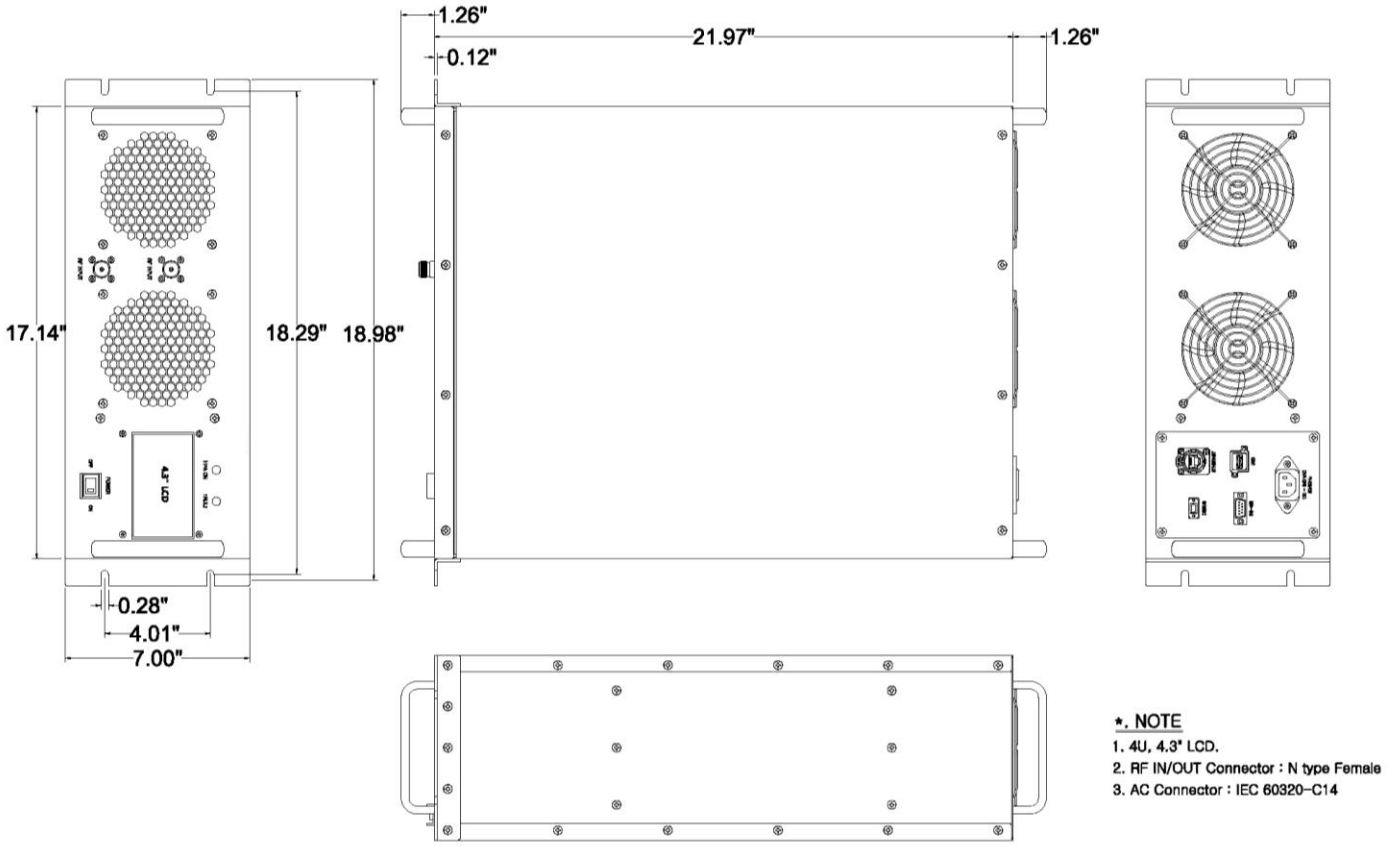
Parameter	Specification	Notes
Dimensions W x H x D	19” x 7” x 22” (483 x 178 x 580 mm)	R4U
Weight	60 lb. Max	
RF Connectors In / Out	Hi Freq. SMA-F / WR-90 WG	Front Panel Standard
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	Variable speed
OPTION: CONTROL: ON/OFF, V & I, TEMP	Optional: Ethernet RJ-45 TCP/IP, RS422/485	

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Communications Corp.

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OUTLINE DRAWING



★. NOTE
1. 4U, 4.3" LCD.
2. RF IN/OUT Connector : N type Female
3. AC Connector : IEC 60320-C14

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