HD32085
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Rack mounted system
Class AB linear GaN design
Dual Band Auto switching
Instantaneous ultra-wide bandwidth
Suitable for all single channel modulations standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	0.5 - 6.0 GHz	
Power Output @ Psat	80 Watt Min	Saturated CW
Power Output @ P1dB	30 Watt Typ	CW
Power Gain	48 dB Min	
Power Gain Flatness	5 dB p-p Max	
Input / Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	38dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	-13dBc Typ in band
Non Harmonics Spurious	-60 dBc Max	Non Harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	950 Watt Max	At rated Pout
Max Input Power Protection	+5 dBm	Without damage for 1 min.
Load VSWR Protection	∞ : 1	Without damage for 10 sec.

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

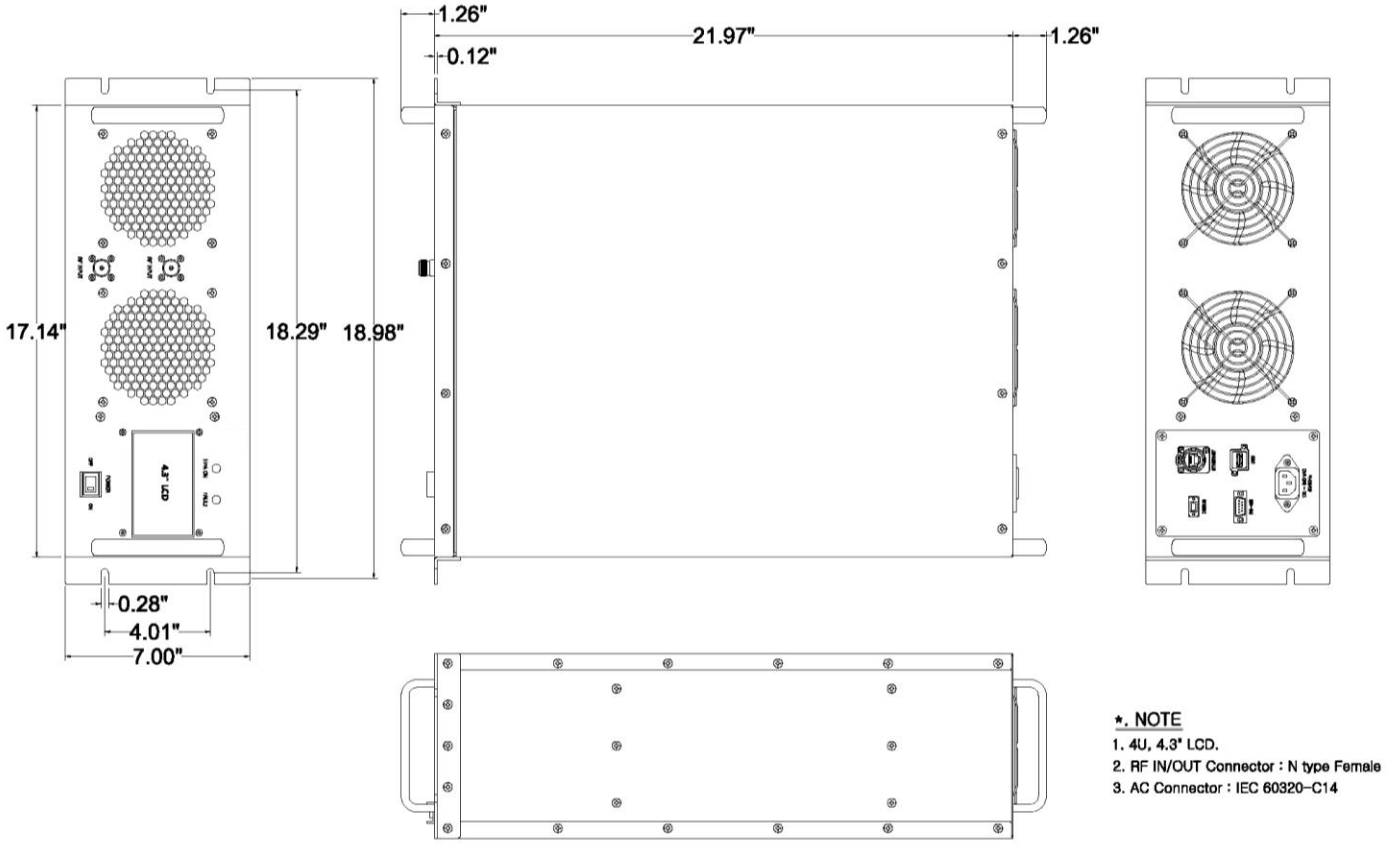
Parameter	Specification	Notes
Dimensions W x H x D	19” x 7” x 22” (483 x 178 x 560 mm)	R4U
Weight	70 lb. Typ.	
RF Connectors In/Out	Type-N Female	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, Optional GPIB Interface	

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Communications Corp.

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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