HD32149
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Rack mounted system
Solid State Class AB LDMOS linear design
Instantaneous bandwidth
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification				Notes
Model	HD32149-100	HD32149-200	HD32149-500	HD32149-1000	
Operating Frequency Range	2.0 - 2.02 GHz				
Peak Output Power	100 Watt	200 Watt	500 Watt	1000 Watt	CW
Power Gain	50 dB	53 dB	57 dB	60 dB	
Power Gain Flatness	1.0 dB p-p Max				
Input Return Loss	10 dB Min				Relative to 50 Ohm
Harmonics	-30 dBc Min				At rated output
Spurious	-60 dBc Max				Non-harmonics
Operating Voltage	100 - 240 VAC		180 - 260 VAC		47 - 63 Hz, Single phase
Power Consumption	300 Watt	600 Watt	1.5 KWatt	2.6 KW	Max at rated Pout
Max Input Power	+3 dBm				Without damage
Load VSWR Protection	∞ : 1 Max				Output isolator

MECHANICAL SPECIFICATIONS

Parameter	Specification				Notes
Dimensions	2U	3U	4U	5U	Rack Mount Chassis
Weight			30 Kg.	40 Kg.	
RF Connectors In/Out	Type N Female			N-F / 7/16	Per customer specification
Cooling	Built in forced air				
Alarm & Monitoring Connector	9 Pin D-Sub				Per customer specification
AC Connector	IEC 60320-C14				Or equivalent
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485				ALC function included

ENVIRONMENTAL CHARACTERISTICS

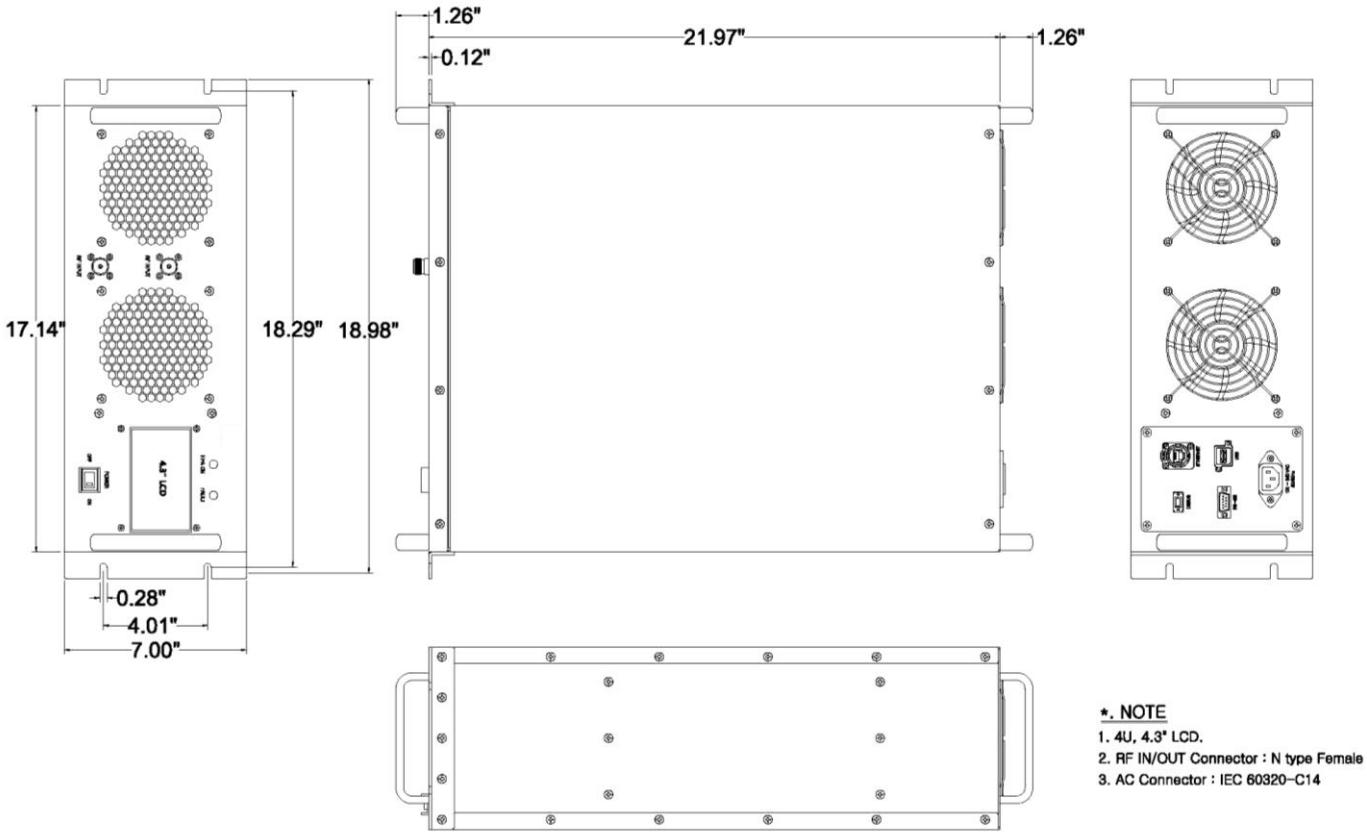
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-20 to +70 °C	
Relative Humidity	95% @ 40 °C	Non Condensing
Shock & Vibrations	MIL STD 810E	

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OUTLINE DRAWING

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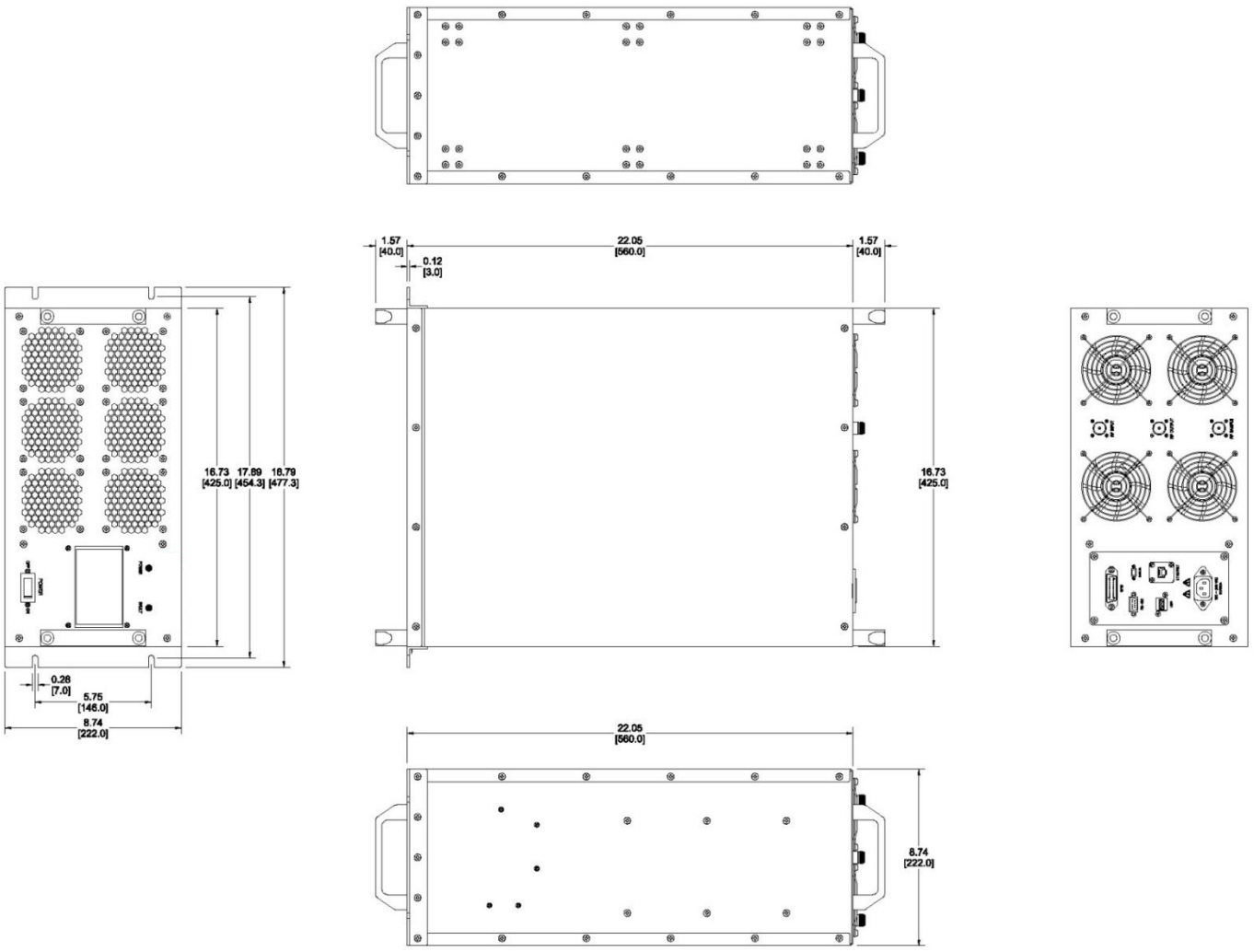
*. NOTE
1. 4U, 4.3" LCD.
2. RF IN/OUT Connector : N type Female
3. AC Connector : IEC 60320-C14

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