HD32360
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Instantaneous ultra-wide bandwidth
Class A/AB linear LDMOS design
Rack mounted system
Designed for broadband EMC-EMI/RFI, all Lab, Automotive & BCI applications
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	10 KHz - 250 MHz	
Power Output @ Sat	300 Watt Min / 350 Watt Typ	CW
Output Power @ P1dB	225 Watt Min / 250 Watt Typ	
Power Gain	55 dB Min	
Power Gain Flatness	4.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	<-30 dBc Typ	45dBm/Tone, Δ = 1MHz
Harmonics	<-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	1800 Watt Max	At rated Pout
Input Power Protection	+5 dBm Max	< 10 Sec without damage
Load VSWR Protection	∞ : 1	Auto Shutdown @ >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-condensing

MECHANICAL SPECIFICATIONS

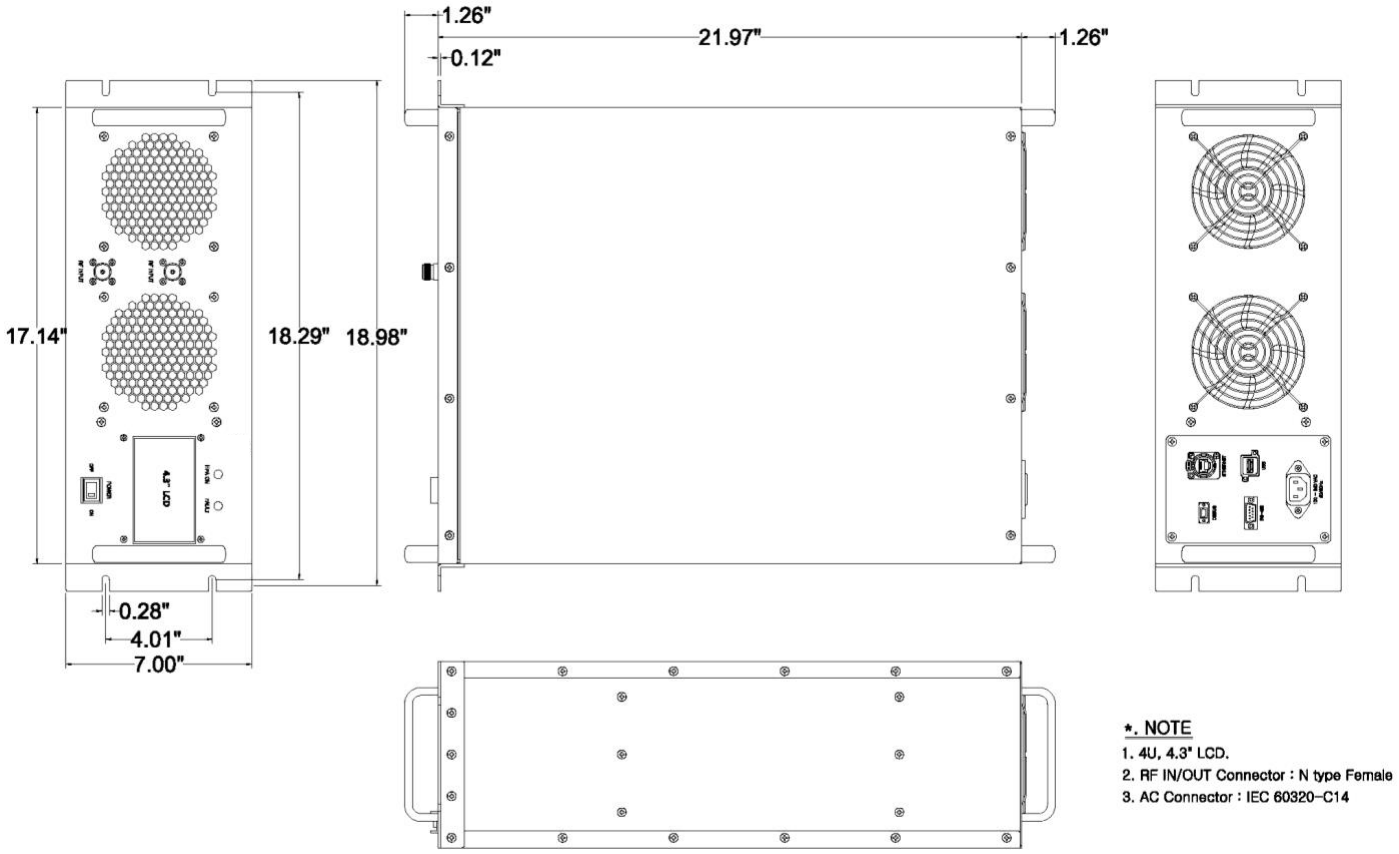
Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm	4U excluding handles
Weight	20 Kg. Max	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Quiet-Cool design	Variable speed fan cooling
STANDARD: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	

332C Dante Ct. Holbrook, NY 11741 Phone: 631-588-3877 Fax: 631-648-0518
www.rfcomp.com www.rfamplifiers.com sales@hdcom.com

Communications Corp.

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OUTLINE DRAWING - SHOWN WITH LCD CONTROLLER



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

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