HD32822
SOLID STATE HIGH POWER AMPLIFIER

Communications Corp.

FEATURES

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



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	10 KHz - 250 MHz	
Power Output	500 Watt Min	CW
Power Gain	57 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	47dBm/Tone, Δ = 1MHz
Harmonics	<-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	180 - 240 VAC	
Power Consumption	4000 Watt Max	At rated Pout
Input Power Protection	+5 dBm Max	< 10 Sec without damage
Load VSWR Protection	5 : 1 Max	<1 minute at rated Pout

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

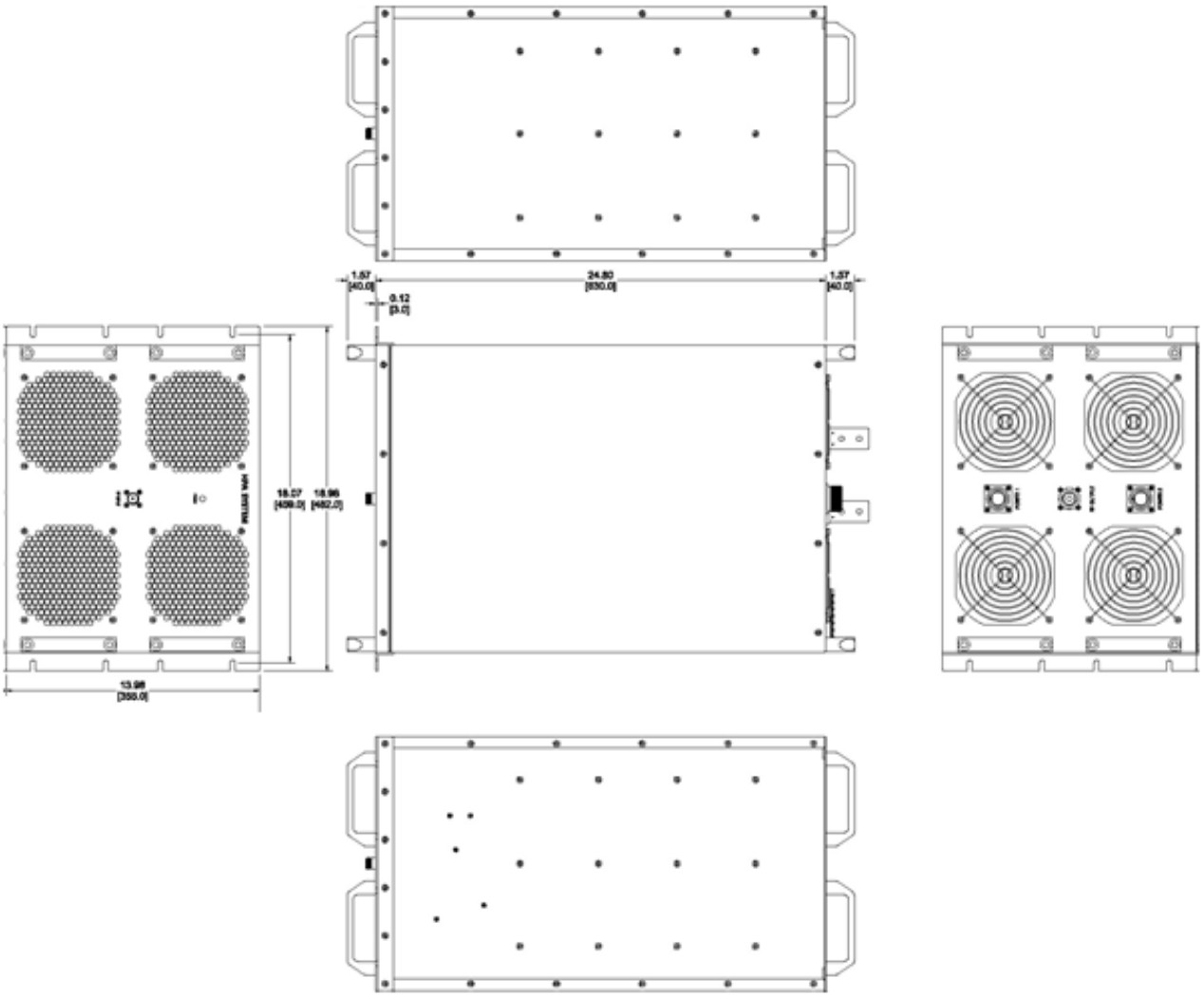
Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm	8U - excluding handles
Weight	Kg. Max	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power / Interface Connector	MS / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
INCLUDED: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	

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OUTLINE DRAWING - SHOWN WITH LCD CONTROLLER OPTION



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