HD33333
SOLID STATE HIGH POWER AMPLIFIER

Communications Corp.

FEATURES

Rack mounted system
Class AB linear LDMOS design
Instantaneous RF & VHF band wide bandwidth coverage
Designed for broadband EMI/RFI, Lab, Comm. and EW 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		2 - 100 MHz	
Power Output		1000 Watt Min	CW
Power Gain		60 dB Min	
Power Gain Flatness		3.0 dB p-p Max	
Input Return Loss		-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)		-25 dBc Typ	50dBm/Tone, Δ = 1MHz
Harmonics	2^{nd}	-30 dBc Typ	
	3^{rd}	-15 dBc Typ	
Spurious		-60 dBc Max	Non-harmonics
Operating Voltage		100 - 240 VAC	
Power Consumption		2600 Watt Max	At rated Pout
Input Power Protection		+8 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

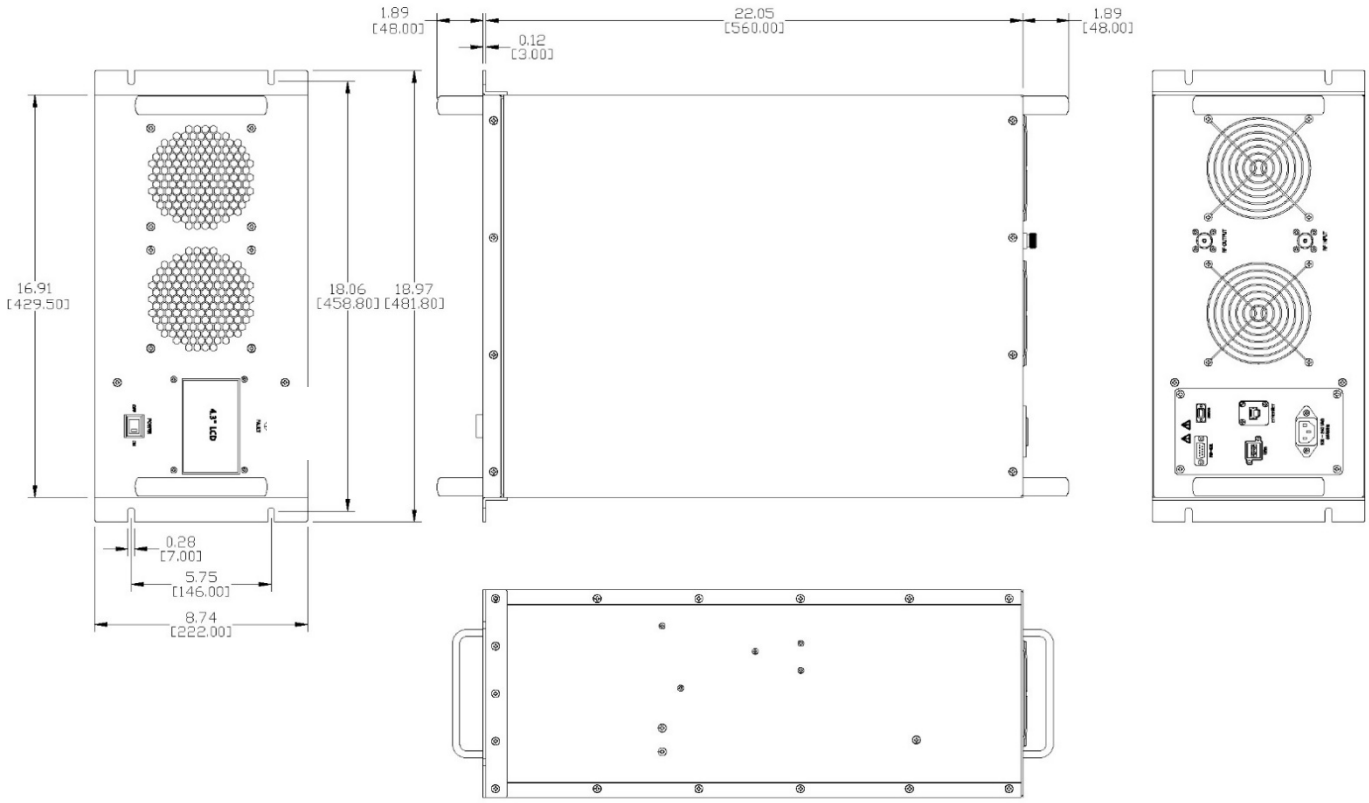
Parameter	Specification	Notes
Dimensions W x H x D	430 x 221 x 700 mm	5U
Weight	35 Kg. Max	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	Optional Remote Bluetooth application

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OUTLINE DRAWING



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