HD35228
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Rack mounted system
Class A/AB linear LDMOS design
High power UHF band specific
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS : 50 Ohm, 25°C

Parameter	Specification	Notes
Operating Frequency Range	380 - 470 MHz	
Power Output @ P1dB GCP	25 Watt Min	CW
Power Gain	44 dB Min	0dBm or less for rated Pout
Power Gain Flatness	1.0 dB p-p Max	Constant input power
Gain Adjustment Range	20 dB Min	Local or remote interface
Input Return Loss	-10 dB Max	
2-Tone Intermodulation (IMD)	-30 dBc Typ	44dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Max	At rated output
Spurious	60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC, 50 - 60Hz	
Power Consumption	200 Watt Max	At rated Pout
Max Input Power	+8 dBm[1]	
Load VSWR Protection	∞ : 1[2]	Foldback @ preset limit

1 Units with optional digital monitor and control, for basic units <10 Sec without damage
2 Units with optional digital monitor and control, for basic units <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
Altitude	3000m	
Shock & Vibration	Normal transport[3]	

3 MIL Spec available for quotation

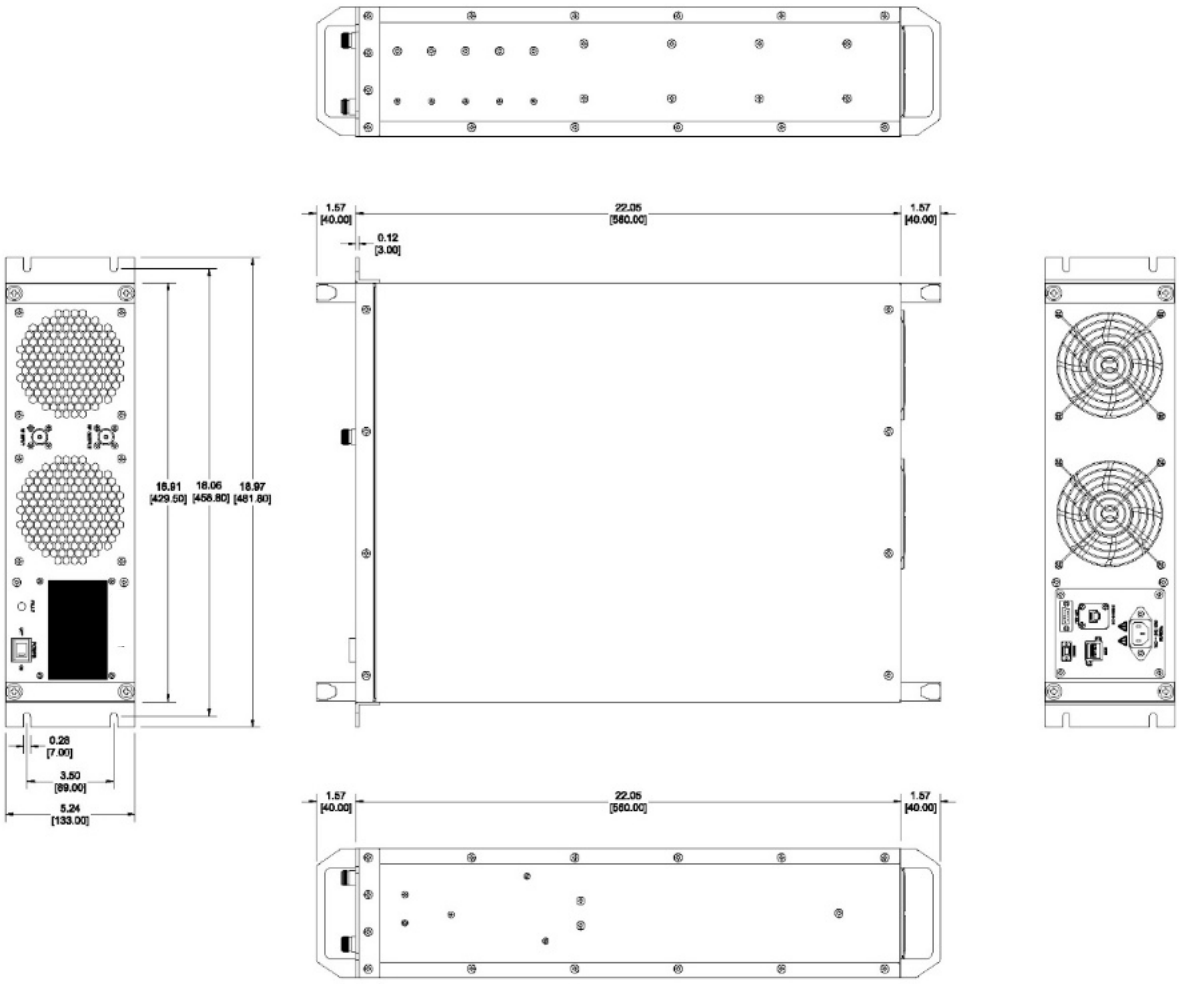
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	421 x 131 x 600 mm	3U excluding handles
Weight	20 kg.	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	

338 Jericho Tpk, Unit 387 Syosset, NY 11791 Phone: 631-588-3877
www.rfamplifiers.com sales@hdcom.com www.rfcomp.com
Specifications subject to change without notice.
Specifications and drawings may vary with selected options.

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OUTLINE DRAWING

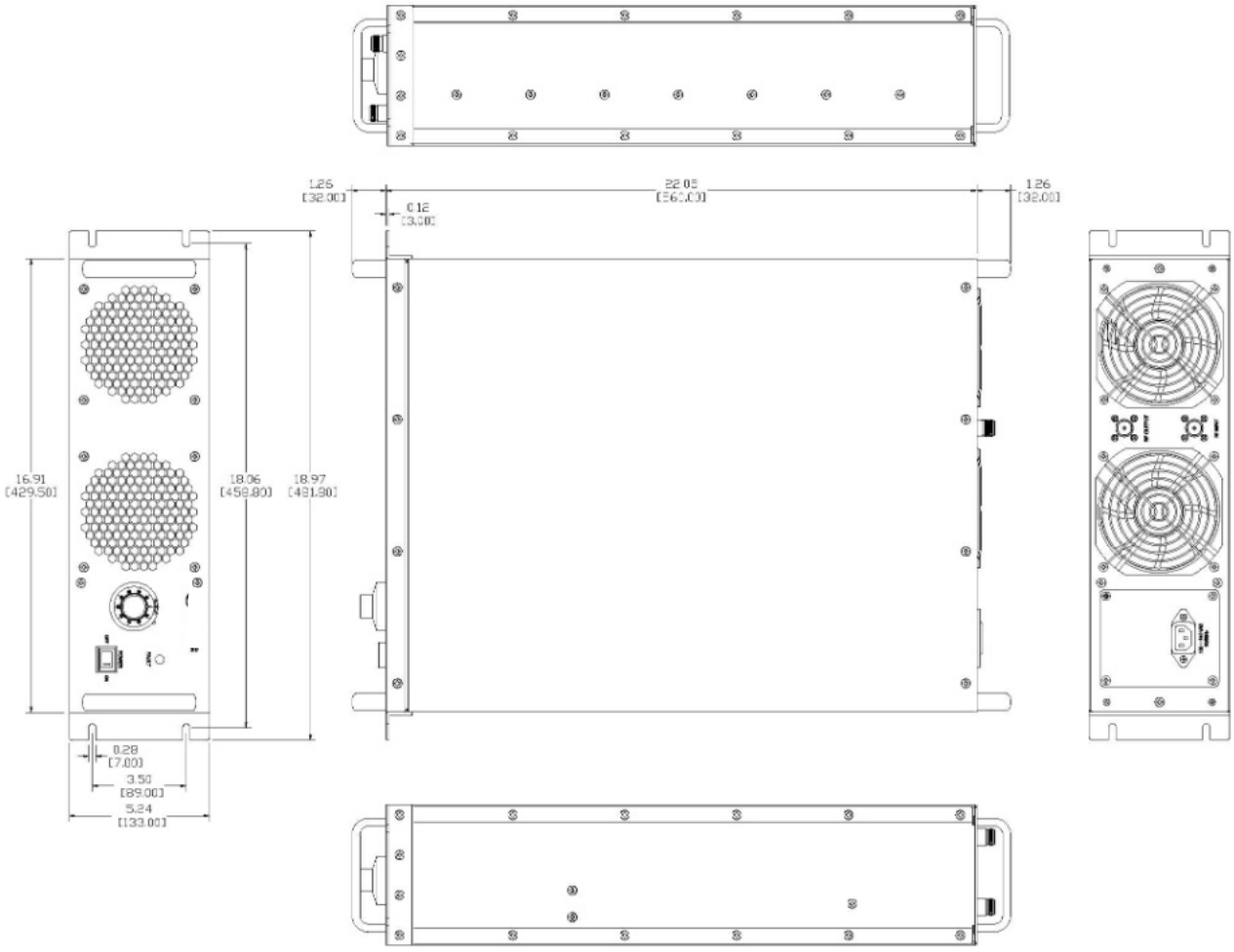


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OUTLINE DRAWING
SHOWN WITH MANUAL GAIN ADJUSTMENT



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