HD35119
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Small form factor rack-mounted system
Class AB linear LDMOS design
Instantaneous RF & VHF bands wide bandwidth coverage
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 - 200 MHz	
Power Output @ P1dB	500 Watt Min	CW
Power Gain	57 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)	-30 dBc Typ	47dBm/Tone, Δ = 1MHz
Harmonics	-15 dBc Typ	
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC, 50 - 60Hz	
Power Consumption	2000 Watt Max	At rated Pout
Input Power Protection	+8 dBm Max	
Load VSWR Protection	∞ : 1	Foldback @ preset limit

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

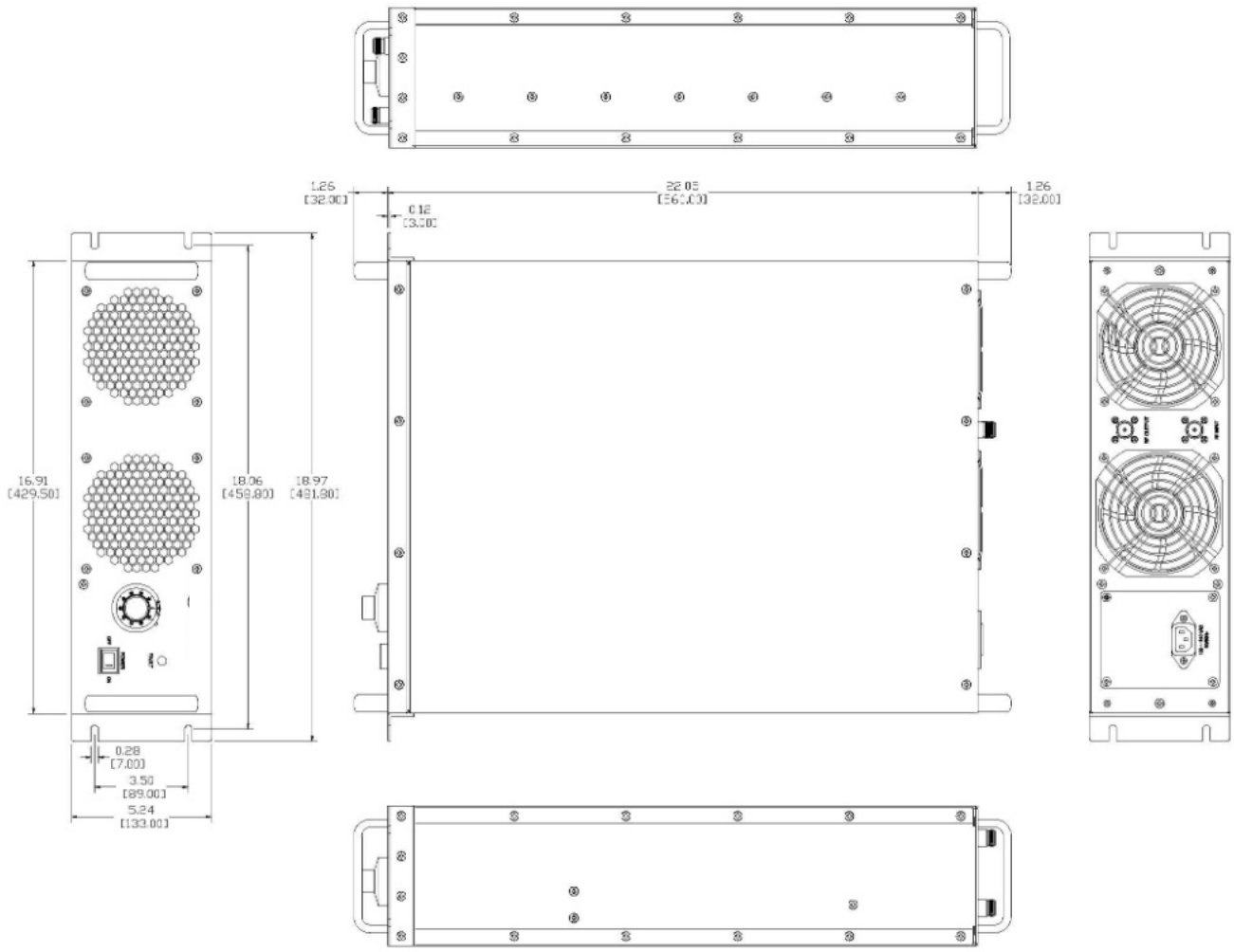
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560mm	3U
Weight	25 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
OPTION: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	Remote Bluetooth application

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Specifications subject to change without notice.
Specifications and drawings may vary with selected options.

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OUTLINE DRAWING



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