HD32170
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Rack mounted system
State of the Art CW class AB linear GaN design
Instantaneous wide bandwidth
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	6.0 - 18.0 GHz	
Power Output @ Psat	300 Watt Min	CW
Power Gain	55 dB Min	Nominal Pin = 0dBm
Power Gain Flatness	5 dB p-p Max	Constant input power
Input / Output Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	43dBm/Tone, Δ = 1MHz
Harmonics	<-20 dBc Typ	At rated output
Spurious	-60 dBc Max	Non-harmonic
Power Consumption	<5000 Watt Typ	At rated output
Input Power Protection	+3 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1	<1 minute at rated min 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-condensation

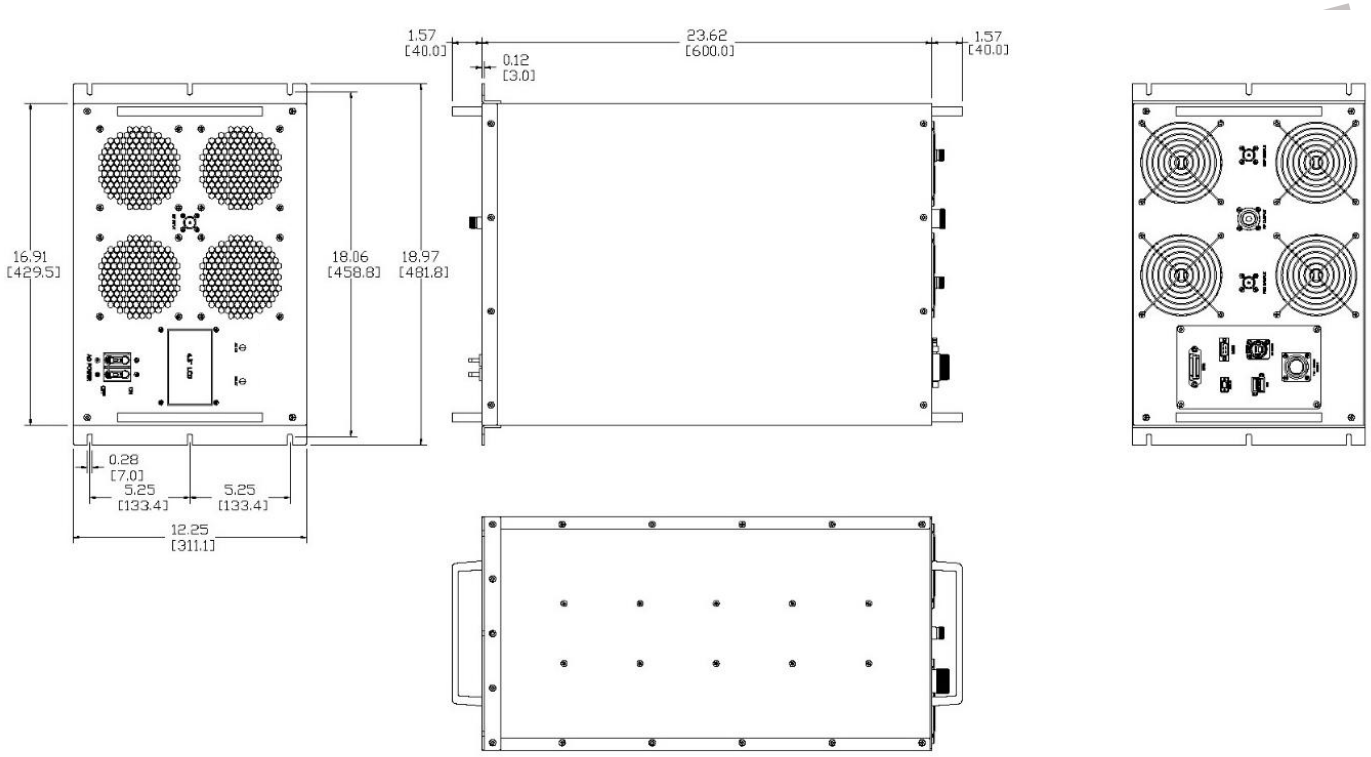
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	482 x 311 x 600 mm	R7U rack mount chassis
Weight	150 lb.	Typical
RF Connectors In/Out	Hi Freq. N/ WRD650	Front Panel Standard
AC Connector	IEC 60320-C14	Or equivalent
AC Power	180 - 260 VAC, 3-Phase, 47 - 63 Hz	
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Full feature controller is not available	

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OUTLINE DRAWING



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