HD33342
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Rack mounted system
Class AB linear GaN design
Dual-Band, manual relay switching
Rack mounted system
Designed for broadband EMI/RFI, Lab, Communication applications
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification		Notes
Band	**Band A**	**Band B**	
Operating Frequency Range by Band	0.5 - 6 GHz	6 - 18 GHz	
Power Output CW Band A / Band B	20 Watt Min	10 Watt Min	CW
Power Gain	43 dB Min		
Power Gain Flatness	4.0 dB p-p Max	6.0 dB p-p Max	Constant input power
Input Return Loss	-10 dB Max		Relative to 50 Ohm
2-Tone Intermodulation (IMD) Band A / Band B	-30 dBc Typ		33 / 30dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ Note: -13dBc to -15dBc @ 500MHz		At rated Pout
Spurious	-60 dBc Max		Non-harmonics
Operating Voltage	100 - 240 VAC		
Power Consumption	300 Watt Max		At rated Pout
Input Power Protection	+3 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

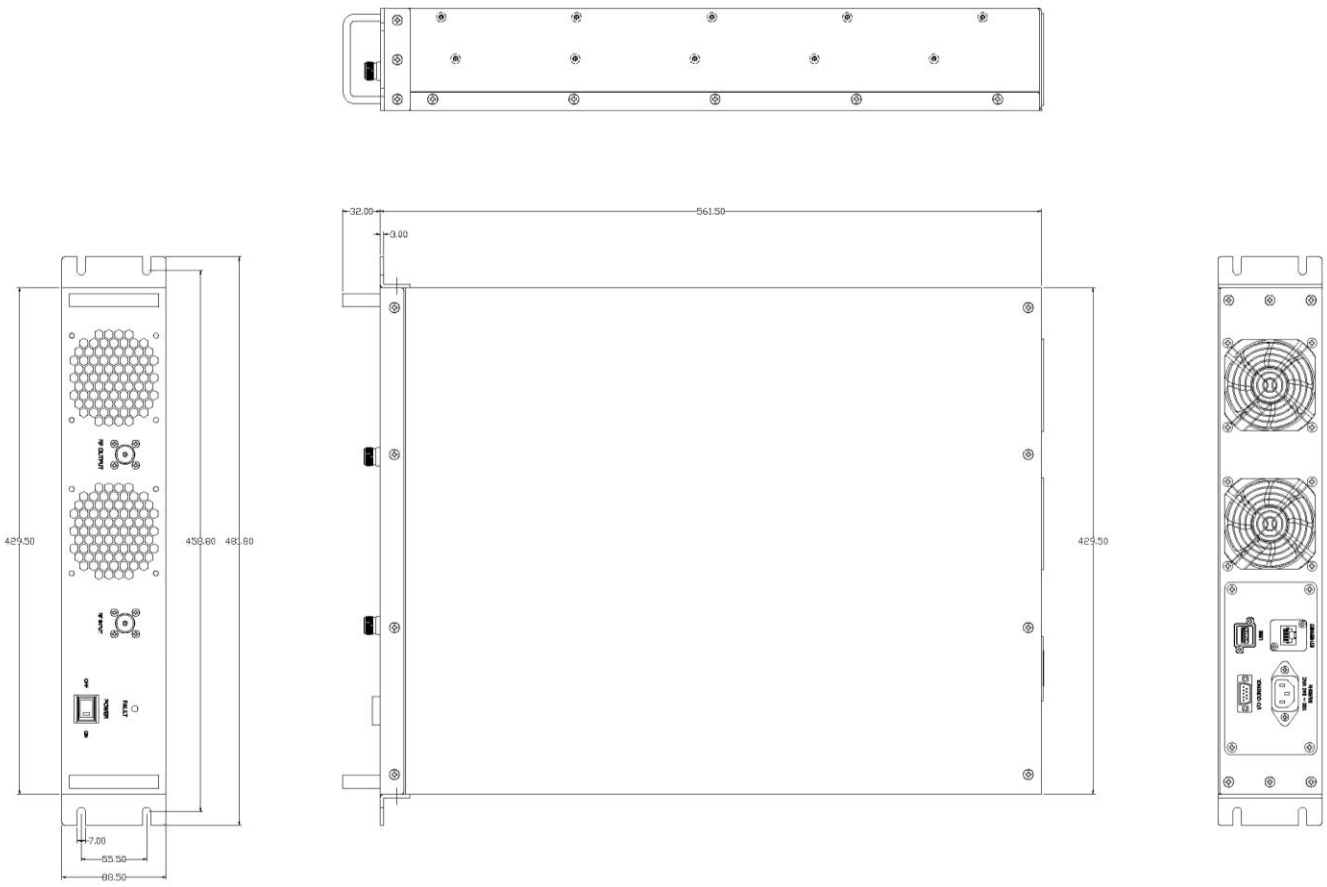
Parameter	Specification	Notes
Dimensions W x H x D	430 x 88 x 562 mm	2U - Excluding handles
Weight	10 kg.	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	

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Communications Corp.

OUTLINE DRAWING



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