HD32094
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Rack mounted system
Ultra-broadband, class AB linear LDMOS design
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	1- 30 MHz	
Power Output CW	100 Watt Min	CW
Power Output @ P1dB	70 Watt Typ	
Power Gain	50 dB Min	
Power Gain Flatness	3.0 dB p-p Max	Constant input power
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	30dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonic
Operating Voltage	100 - 240 VAC	
Power Consumption	500 Watt Max	At rated Pout
Max Input Power protection	+8 dBm	<10 Sec without damage
Load VSWR Protection	10 : 1	<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-condensation

MECHANICAL SPECIFICATIONS

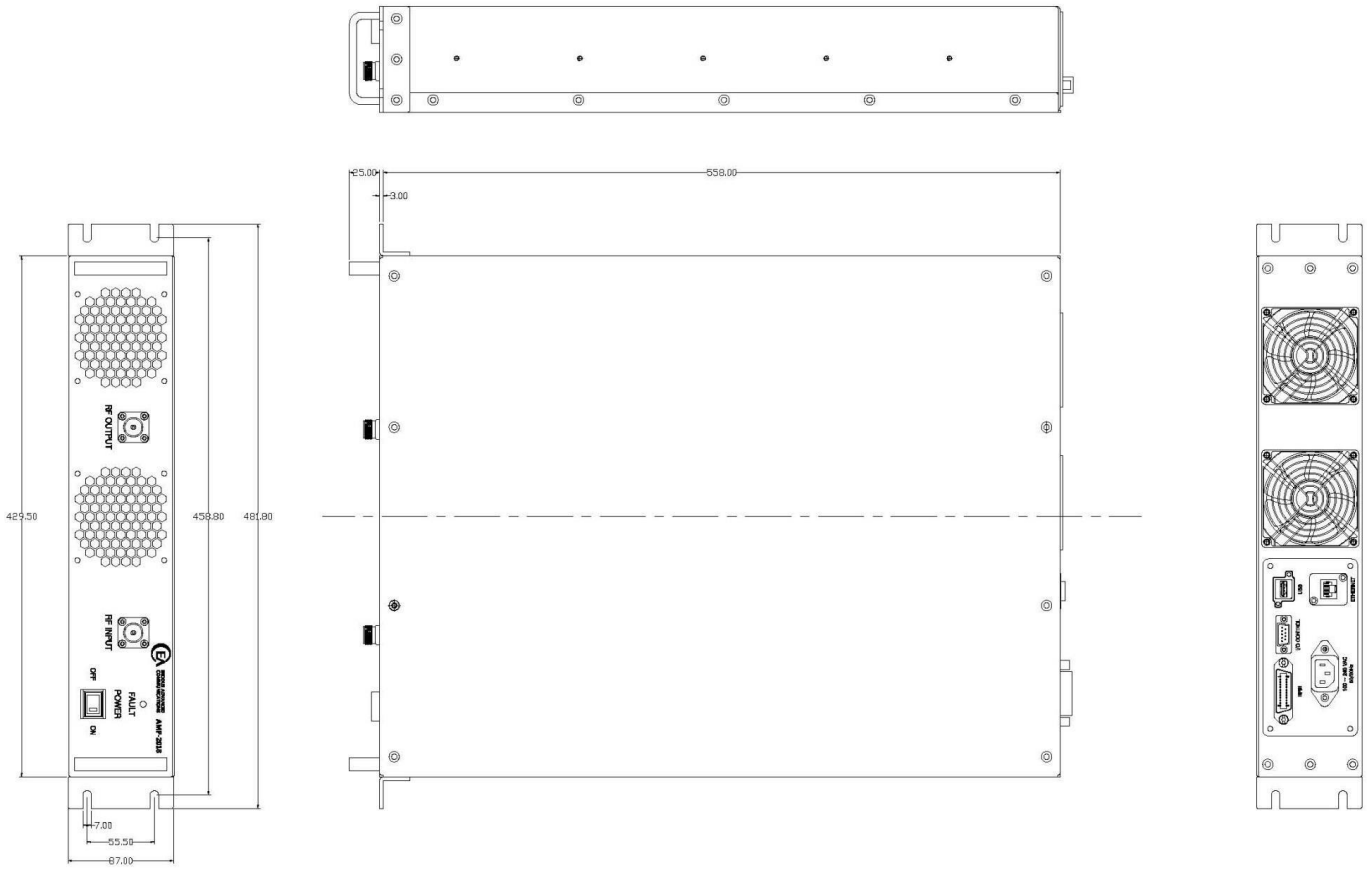
Parameter	Specification	Notes
Dimensions W x H x D	430 x 88 x 562 mm	2U, excluding handles
Weight	9 kg.	
RF Connectors In/Out A / Out B	Type-N Female	Front Panel Standard
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	
OPTIONAL: Digital Monitor & Control FWD,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

332C Dante Ct. Holbrook, NY 11741 Phone: 631-588-3877 Fax: 631-648-0518 www.rfcomp.com
www.rfamplifiers.com sales@hdcom.com

Communications Corp.

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OUTLINE DRAWING



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