HD31619
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Rack mounted Roll-Around cabinet
Push-pull MOSFET design
Suitable for all single channel modulation standards
Built-in control, monitoring and protection circuits
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS@ 50 Ohm

Parameter	Specification	Notes
Operating Frequency Range	1.6 - 30 MHz	Instantaneous
Power Output@ Psat	5.0 KW Watt Min	CW
Power Output @ 1dB compressions	3.0 KW Typ	
Power Gain	67 dB Min	0dBm for normal operation
Gain Flatness	3 dB p-p Max	
Input Return Loss	10 dB Min	
Harmonics 2nd /3rd	-15 / -18 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Gain Adjustment	20 dB Min	Continuous range
Power Consumption	15 KW Max	At rated Pout
Input Overdrive Protection	+8 dBm	<10Sec without damage
Load VSWR	5 : 1 Max	<1 minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +45 °C	
Storage Temperature	-20 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

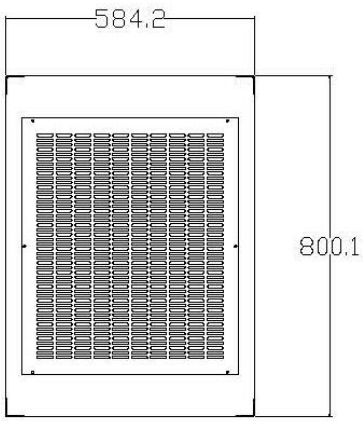
MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	4 x 5U + 2U	Without rack cabinet
Weight	300 Kg Max	
RF Connectors In/Out	N Female / 1-5/8" EIA Standard	Rear
AC Power	187-264 VAC Delta (4 wire) Wye compatible	47-63Hz, 3-phase
Cooling	Built in cooling fans	
Digital Monitor & Control: FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, USB, RS-232, IEEE-488.2 GPIB, LCD Display	

32C Dante Ct. Holbrook, NY 11741 Phone: 631-588-3877 Fax: 631-648-0518
www.rfcomp.com www.rfamplifiers.com sales@hdcom.com

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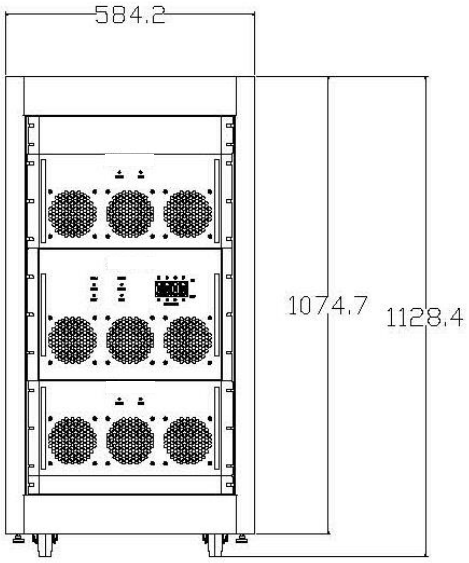
OUTLINE DRAWING FOR ILLUSTRATION ONLY - SHOWN WITH ROLED ARROUND RACK CABINET



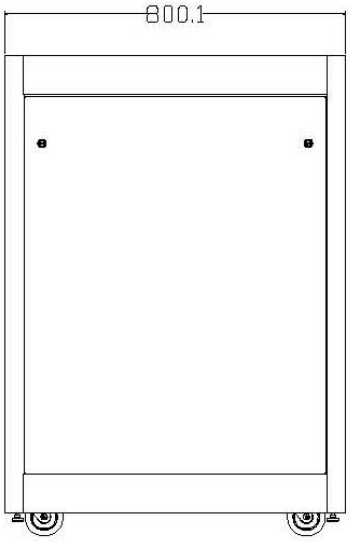
Top View

*. NOTE

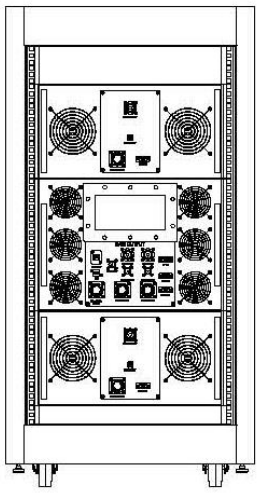
1. Apply Model : Hammond Manufacturing – C2 Series



Front View



Side View



Rear View

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