HD30959
SOLID STATE HIGH POWER AMPLIFIER

HD Communications Corp.

FEATURES

Rack mounted Roll-Around cabinet
Class AB Solid-State linear design
Suitable for high peak pulse applications
Built-in protection circuits
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS @ 50 Ohm

Parameter	Specification	Notes
Operating Frequency Range	1.0 - 1.2 GHz	
Power Output @ Peak Pulse	10.0 KW Min	Peak Pulse
Average Power Output	250 Watt Min	
Pulse Width	1 - 25 µSec	
Duty Cycle	0.1 to 2.5 % Max	
Pulse Repetition Rate	1 - 25 KHz	
Input Power for rated Power	-2 to +2 dBm	
Min Input Power @ Min Output Power	-17 dBm	
Input Return Loss	10 dB Min	Relative to 50 Ohm
Gain Adjustment Range	15 dB Min	
Operating Voltage	220 VAC	Single phase
Max Input Power	+14 dBm	Or greater
Max Output Load VSWR	>3 : 1	Automatic Shutdown

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	+30 to +110°F	
Storage Temperature	-30 to +160°F	
Relative Humidity	5 to 95 %	Non Condensing

MECHANICAL SPECIFICATIONS

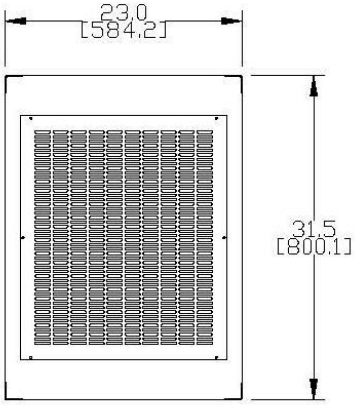
Parameter	Specification	Notes
Dimensions W x H x D	2 x 5U +7U Rack Mount Chassis	Roll-Around Cabinet
Weight		
RF Connectors In / Out	SMA Female / 7-16 Female	Front Panel Standard
Blanking	BNC Female	
AC Power	NEMA Style L6-20, Three Bladed - Turn Log Plug	w/ 30 foot cord
Cooling	Built in Forced Air - Variable speed	Thermal protection
Digital Monitor & Control: FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, USB	

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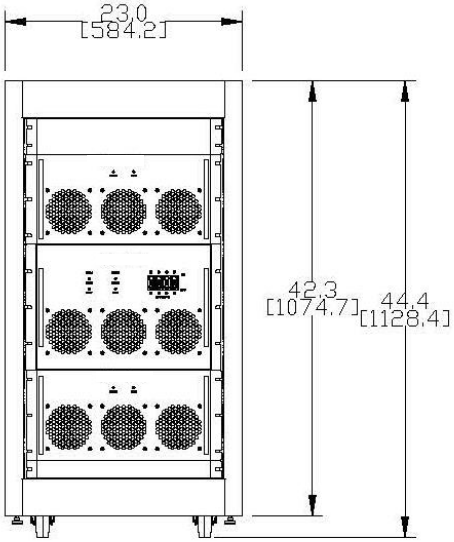
OUTLINE DRAWING



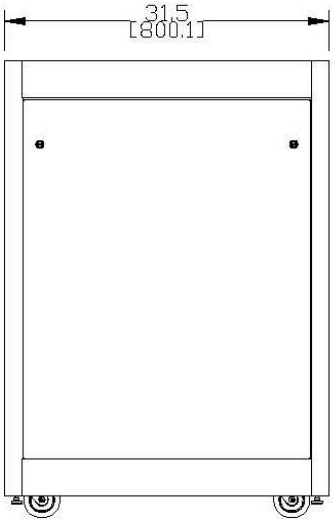
Top View

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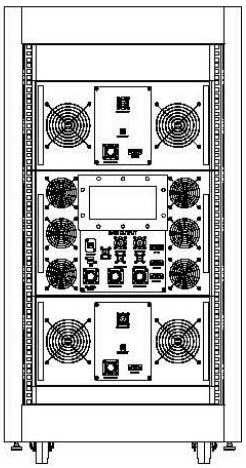
1. Apply Model : Hammond Manufacturing – C2 Series



Front View



Side View



Rear View

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