HD32124
SOLID STATE HIGH POWER AMPLIFIER

HD Communications Corp.

FEATURES

Rack mount system
Class AB linear GaN design
Instantaneous bandwidth
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	6.8 - 7.2 GHz	
Power Output	100 Watt Min	CW
Power Gain	40 dB Min	
Power Gain Flatness	2.0 dB p-p	
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30dBcTyp	37dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Max	At rated output power
Non-Harmonics Spurious	-60 dBc Max	
Operating Voltage	100 - 240 VAC	Single phase
Power Consumption	150 Watt Max	At Rated Pout
Max Input Power Protection	+5 dBm	Without damage
Load VSWR Protection	5 : 1	

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	IP65 Enclosure	2U
Weight	TBD	
RF Connectors In/Out	Type-N Female	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	Variable speed
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

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OUTLINE DRAWING

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