HD30888
SOLID STATE HIGH POWER AMPLIFIER

Communications Corp.



FEATURES

Class AB GaN design
Instantaneous wide Bandwidth
Built-in protection circuits
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	8.0 - 12.0GHz	
Power Output Past	25 Watt Min	CW
Power Gain	44 dB Min	
Power Gain Flatness	3.0 dB p-p Max	
Input Return Loss	10 dB Min	
Harmonics	>30 dBc	At rated Pout
Non Harmonics Spurious	>60 dBc	
Noise Figure	10 dB Max	
Operating Voltage	30 VDC Nom	30
Current Consumption	5.0 Amp Max	At rated Pout
Max Input Power	+3 dBm Max	Without damage
Minimum Load VSWR	5 : 1 Min	

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Case Temperature	-20 to +75°C	
Storage Temperature	-40 to +85°C	
Relative Humidity	5 to 95 %	Non Condensation

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions	140 X 130 x 27 mm	Excluding Connectors
Weight	TBD	
RF Connectors In/Out	HF SMA female	Cover Flange
DC Power / Interface Connector	9-Pin D-Sub	
Cooling	External Heatsink	Forced air required

D-SUB CONNECTOR PIN ASSIGNMENT

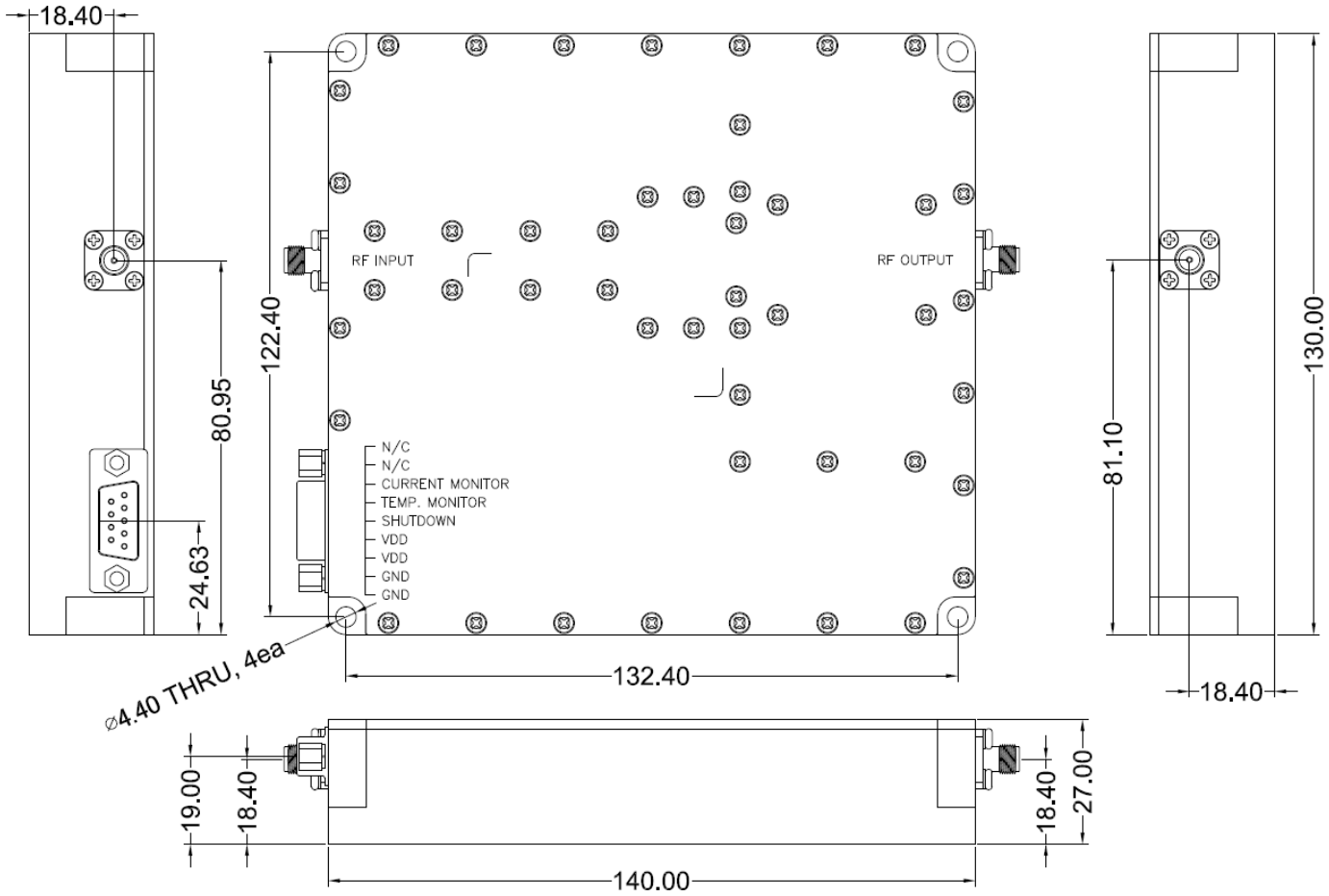
Pin	Function	Description
1		N/A
2		N/A
3	Current Sensor	I_D@50mV/100mA Typ
4	Temp Sensor	V_T@10mV/°C + 500mV Typ
5	Shutdown	TTL
6,7	VDD	30VDC
8,9	GND	Ground

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

Communications Corp.

HD30888
SOLID STATE HIGH POWER AMPLIFIER

OUTLINE DRAWING



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