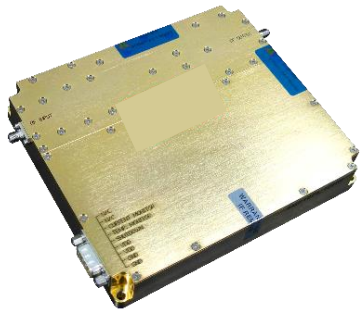
HD32872
SOLID STATE HIGH POWER AMPLIFIER



FEATURES
Class AB GaN design
Instantaneous ultra-wide Bandwidth
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	10.5 - 20.2 GHz	
Power Output Past	10 Watt Min	CW
Power Gain	40 dB Min	
Power Gain Flatness	4 dB p-p Max	
Input Return Loss	-10 dB Max	
Harmonics 2^{nd} / 3^{rd}	-20 dBc Max	-10~-15dBc Typ up to 4GHz
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	32 VDC Nom	
Current Consumption	5.0 Amp Max	At rated Pout
Input Power Protection	0 dBm Max	<10 Sec without damage
Load VSWR Protection	3 : 1 Max	<1 minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Case Temperature	-20 to +65 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions	160 x 140 x 27 mm	Excluding connectors
Weight	1.4 Kg.	
RF Connectors In/Out	SMA female	
DC Power / Interface Connector	9-Pin D-Sub	
Cooling	External Heatsink	Forced air required

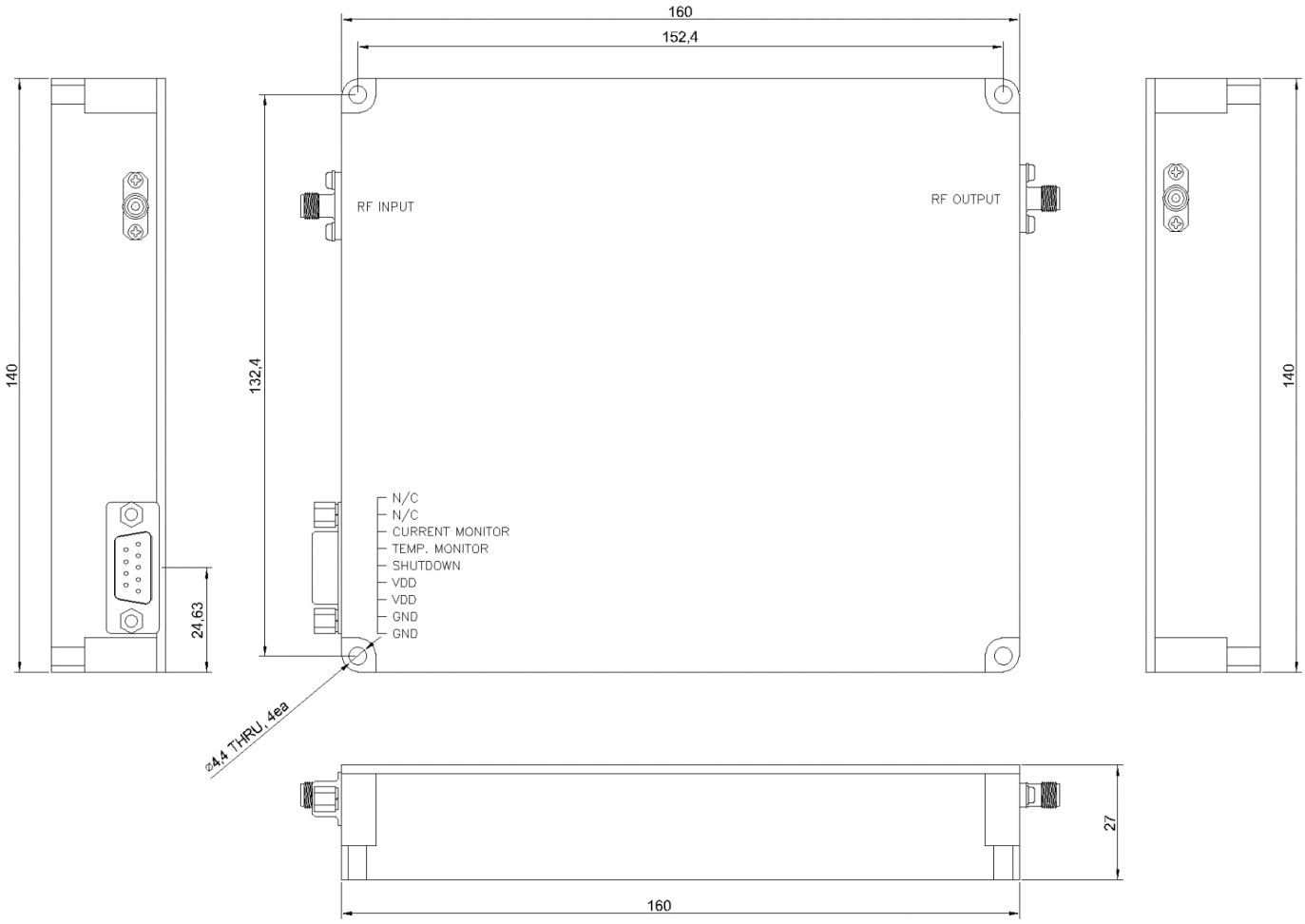
D-SUB CONNECTOR PIN ASSIGNMENT

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	32VDC
8, 9	GND	Ground

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Syosset, NY 11791
Tel: (631) 588-3877 Email: sales@hdcom.com

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OUTLINE DRAWING



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