

HXPA9083G Power Amplifier

1. Description

ID	Items	Specifications
1-1	Type	Power Amplifier
1-2	Frequency Range	1GHz~18GHz
1-3	Gain	≥27dB
1-4	Gain Flatness	≤±2.0dB
1-5	Output 1dB Compression Point(P1dB)	≥30dBm@+12V ≥32dBm@+18V
1-6	Saturated Output Power (Psat)	/
1-7	Input VSWR	≤2.0
1-8	Isolation S12	≥50dB
1-9	Spurious	≤-60dBc
1-10	Noise Figure	/
1-11	Impedance	50Ω
1-12	Input/ Output Connectors	SMA-F
1-13	DC Power Supply	+12V ~ +18V /≤1A

2. Absolute Maximum Ratings

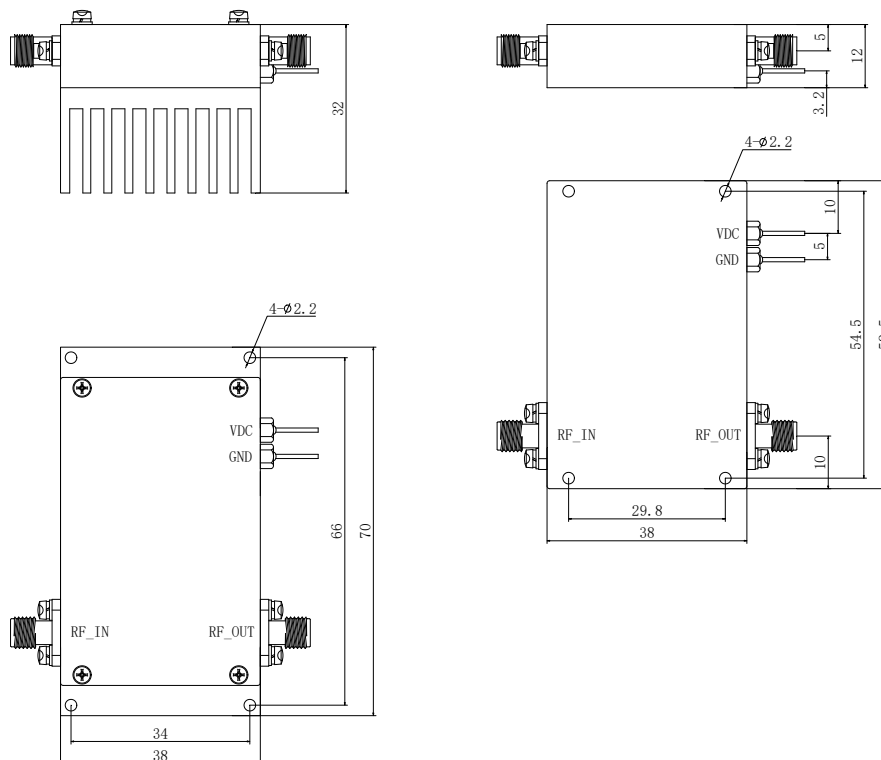
ID	Parameter	Rating
2-1	Operating Voltage	+12V ~ +18V
2-2	RF Input Power	≤10dBm

3. Environmental Specifications

ID	Items	Specifications
3-1	Working Condition	CW/PL
3-2	Operational Temperature	-40℃ ~ +70℃
3-3	Storage Temperature	-55℃ ~ +85℃

4. Outline Drawing

ID	Items	Specifications
4-1	Outline Drawing	Unit: mm
Tolerances:±0.2mm		



4-2	Material	Aluminum
4-3	Finish	Nickel Plated
4-4	Weight	130g

5. Note

5-1	Should be take the ESD protection during use.
5-2	Exceeding the rated input power limit may cause the product to burn out.
5-3	Avoid using in extreme temperature, humidity, or corrosive environments.
5-4	Good grounding can reduce EMI and RFI.
5-5	All specifications are subject to change without notice at any time.