

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

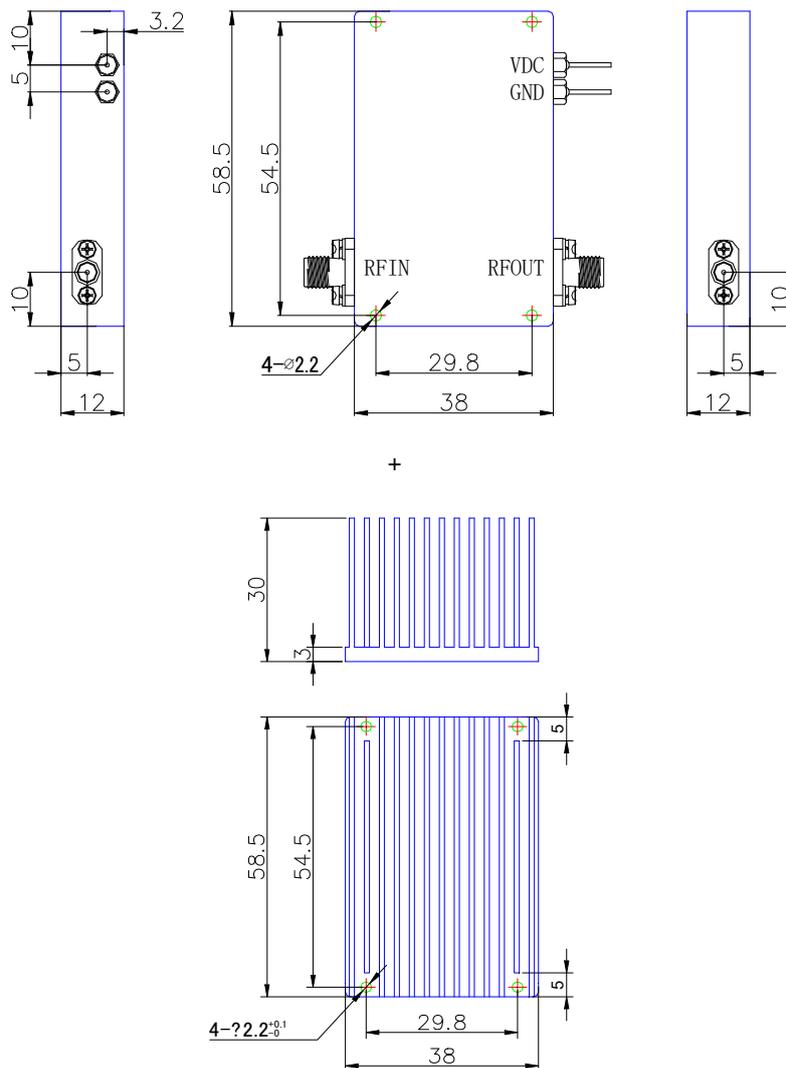
ID	Parameter	Rating
2-1	Operating Voltage	12V ~ 18V
2-2	RF Input Power	≤15dBm

3. Environmental Specifications

ID	Items	Specifications
3-1	Operational Temperature	-40°C ~ +70°C
3-2	Storage Temperature	-55°C ~ +85°C

4. Outline Drawing

ID	Items	Specifications
4-1	Outline Drawing	Unit: mm
Tolerances:±0.1mm		



4-2	Material	Aluminum
4-3	Finished	Nickel Plated
4-4	Weight	≤70g+60g

NOTE: ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.