

HXPA9083G Power Amplifier

1. Description

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

2. Absolute Maximum Ratings

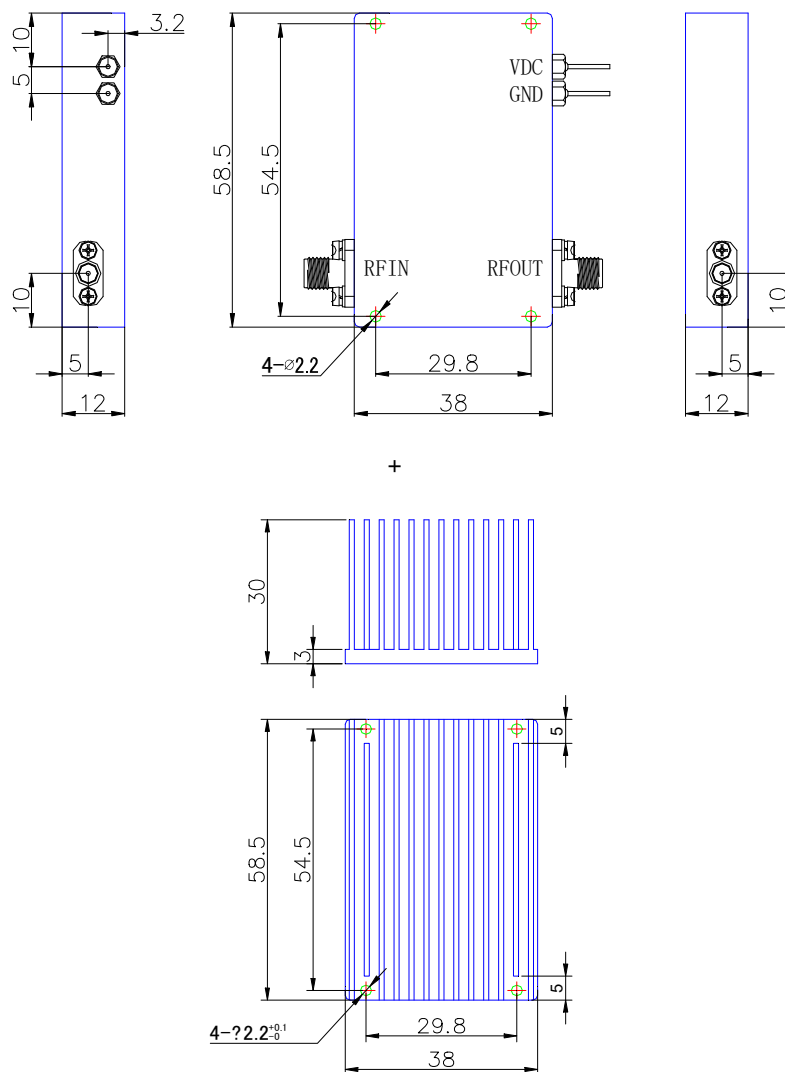
ID	Parameter	Rating
2-1	Operating Voltage	12 ~ 18V
2-2	RF Input Power	$\leq 15\text{dBm}$
2-3	Include voltage protection, current protection and temperature protection	

3. Environmental Specifications

ID	Items	Specifications
3-1	Operational Temperature	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$
3-2	Storage Temperature	$-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$

4. Outline Drawing

ID	Items	Specifications
4-1	Outline Drawing	Unit: mm
Tolerances: $\pm 0.1\text{mm}$		



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