

HXLNA4083G Low Noise Amplifier

1. Description

ID	Items	Specifications
1-1	Type	Low Noise Amplifier
1-2	Frequency Range	0.4 ~ 8GHz
1-3	Gain	≥35dB
1-4	Gain Flatness	≤±1.5dB
1-5	Output 1dB Compression Point(P1dB)	≥20dBm@0.4 ~ 2.0GHz ≥18dBm@2.0 ~ 4.0GHz ≥15dBm@4.8 ~ 8.0GHz
1-6	Saturated Output Power(Psat)	/
1-7	VSWR	≤2.0
1-8	Isolation	≥50dB
1-9	Spurious	≤-60dBc
1-10	Output Third Order Intercept(OIP3)	30dBm Typical
1-11	Noise Figure	≤3.0dB
1-12	Impedance	50Ω
1-13	Input/Output Connectors	SMA-F
1-14	DC Power Supply	+12V/≤180A

2. Absolute Maximum Ratings

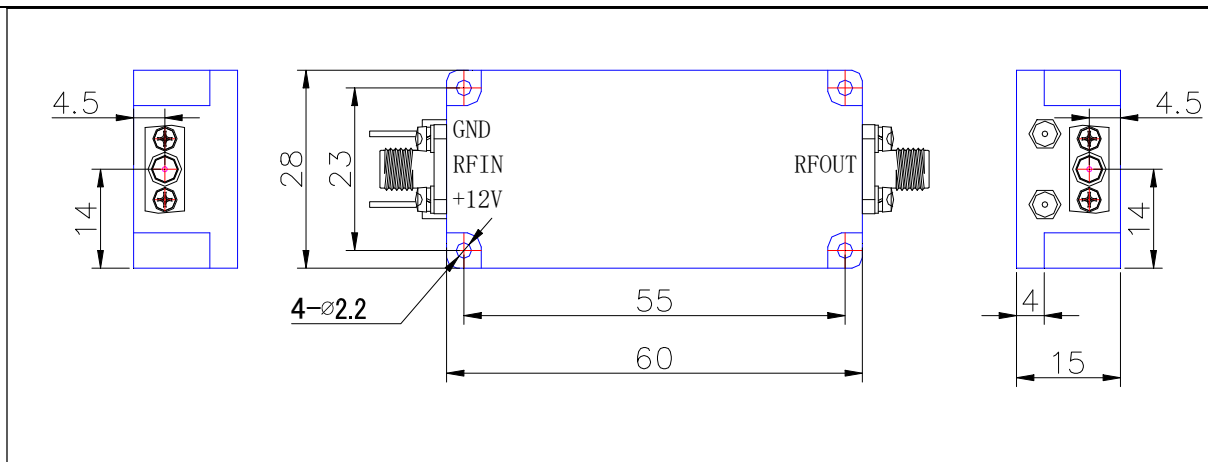
ID	Parameter	Rating
2-1	Operating Voltage	12 ~ 12.5V
2-2	RF Input Power	≤10dBm

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:±0.5mm		



4-2	Material	Aluminum
4-3	Finished	Natural Color
4-4	Weight	60g

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