

# HXLNA1291G Low Noise Amplifier

## 1. Description

ID	Items	Specifications
1-1	Type	Low Noise Amplifier
1-2	Frequency Range	6 ~ 18GHz
1-3	Gain	≥20dB
1-4	Gain Flatness	≤±1.5dB
1-5	Output 1dB Compression Point(P1dB)	≥15dBm
1-6	Saturated Output Power(Psat)	/
1-7	VSWR	≤2.0
1-8	Isolation	≥20dB
1-9	Spurious	≤-60dBc
1-10	Output Third Order Intercept(OIP3)	28dBm Typical
1-11	Noise Figure	≤2.5dB
1-12	Impedance	50Ω
1-13	Input/Output Connectors	SMA-F
1-14	DC Power Supply	+5V/≤80mA

## 2. Absolute Maximum Ratings

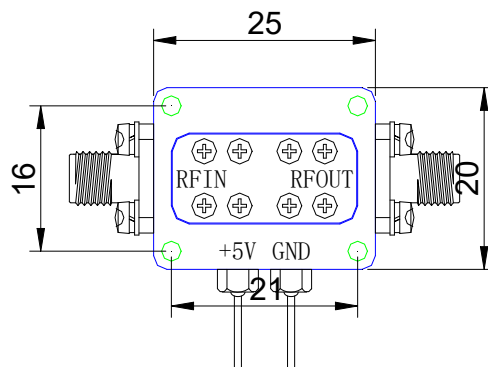
ID	Parameter	Rating
2-1	Operating Voltage	5V
2-2	RF Input Power	≤10dBm

## 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	40g

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