HXLNA1991G Low Noise Amplifier

1. Description

ID	Items	Specifications
1-1	Type	Low Noise Amplifier
1-2	Frequency Range	0.4GHz ~ 40GHz
1-3	Gain	30dB Typical
1-4	Gain Flatness	≤±2.8dB Typical ≤±0.5dB Typical @ 1GHz Bandwidth
1-5	Output 1dB Compression Point(P1dB)	≥16dBm Typical
1-6	Saturated Output Power(Psat)	/
1-7	VSWR	≤2.5
1-8	Isolation	≥50dB
1-9	Spurious	≤-60dBc
1-10	Output Third Order Intercept(OIP3)	20dBm Typical
1-11	Noise Figure	≤4.0dB Typical
1-12	Impedance	50Ω
1-13	Input/Output Connectors	2.92mm-F
1-14	Control Connectors	Feedthrough Capacitor
1-15	DC Power Supply	+12V/≤400mA

2. Absolute Maximum Ratings

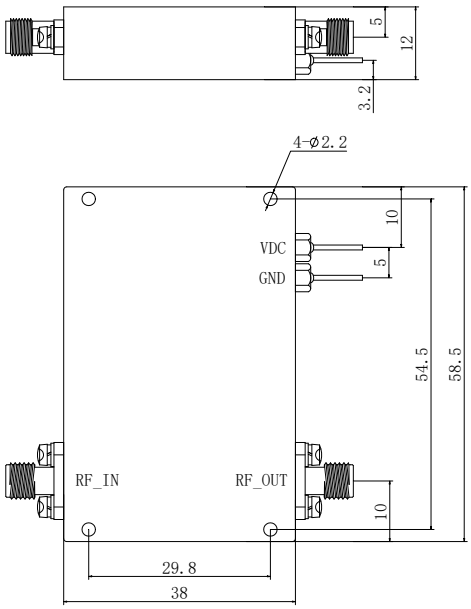
ID	Parameter	Rating
2-1	Operating Voltage	+10V ~ +28V
2-2	RF Input Power	≤10dBm

3. Environmental Specifications

ID	Items	Specifications
3-1	Operational Temperature	-40℃ ~ +70℃
3-2	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	70g

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.