

# HXPA9085G Power Amplifier

## 1. Description

ID	Items	Specifications
1-1	Type	Power Amplifier
1-2	Frequency Range	0.4 ~ 18GHz
1-3	Gain	≥35dB
1-4	Gain Flatness	±1.5dB Typical
1-5	Output 1dB Compression Point(P1dB)	≥27dBm
1-6	Saturated Output Power(Psat)	/
1-7	Input VSWR	≤2.0
1-8	Isolation S12	≥55dB
1-9	Spurious	≤-60dBc
1-10	Noise Figure	≤3.5dB
1-11	Impedance	50Ω
1-12	Input/Output Connectors	SMA-F
1-13	DC Power Supply	12V/≤500mA

## 2. Absolute Maximum Ratings

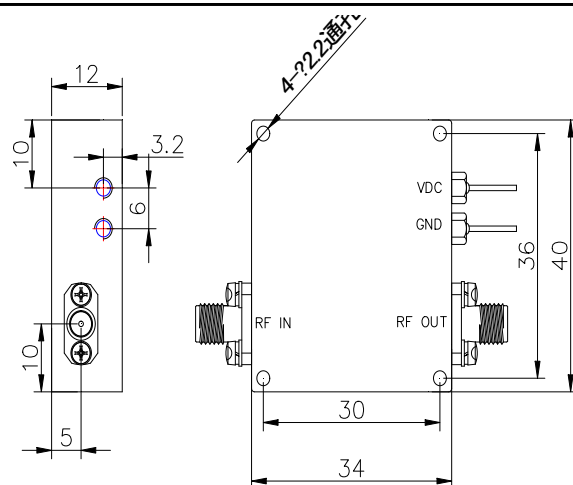
ID	Parameter	Rating
2-1	Operating Voltage	12 ~ 18V
2-2	RF Input Power	≤10dBm
2-3	Include voltage protection, current protection and temperature protection	

## 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	Finish	Natural Color
4-4	Weight	60g

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