

# HXPA2893G Power Amplifier

## 1. Description

ID	Items	Specifications
1-1	Type	Power Amplifier
1-2	Frequency Range	18 ~ 40GHz
1-3	Gain	38dB Typical
1-4	Gain Flatness	$\leq \pm 1.5\text{dB}$ Typical
1-5	Output 1dB Compression Point(P1dB)	$\geq 22\text{dBm}$
1-6	Saturated Output Power(Psat)	/
1-7	Input VSWR	$\leq 2.0$
1-8	Isolation S12	$\geq 60\text{dB}$
1-9	Spurious	$\leq -60\text{dBc}$
1-10	Noise Figure	3.5dB
1-11	Impedance	50 $\Omega$
1-12	Input/Output Connectors	2.92mm-F
1-13	DC Power Supply	+12V/ $\leq 500\text{mA}$
1-14	TTL Control	0 ~ 0.8V=ON/3.3 ~ 5V=OFF

## 2. Absolute Maximum Ratings

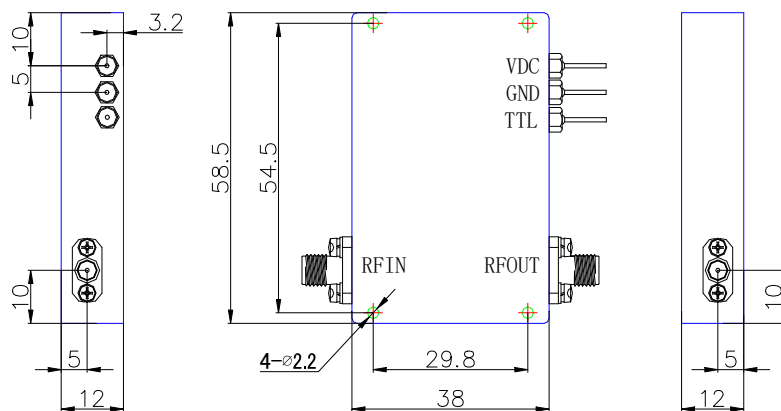
ID	Parameter	Rating
2-1	Operating Voltage	12 ~ 18V
2-2	RF Input Power	$\leq 10\text{dBm}$
2-3	Include voltage protection, current protection and temperature protection	

## 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: $\pm 0.1\text{mm}$		



4-2	Material	Aluminum
4-3	Finish	Natural Color
4-4	Weight	70g

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