

# HXPA2893G Power Amplifier

## 1. Description

| ID   | Items                              | Specifications           |
|------|------------------------------------|--------------------------|
| 1-1  | Type                               | Power Amplifier          |
| 1-2  | Frequency Range                    | 18 ~ 40GHz               |
| 1-3  | Gain                               | ≥35dB                    |
| 1-4  | Gain Flatness                      | ≤±2.0dB                  |
| 1-5  | Output 1dB Compression Point(P1dB) | ≥22dBm                   |
| 1-6  | Saturated Output Power(Psat)       | /                        |
| 1-7  | Input VSWR                         | ≤2.0                     |
| 1-8  | Isolation S12                      | ≥60dB                    |
| 1-9  | Spurious                           | ≤-60dBc                  |
| 1-10 | Noise Figure                       | 3.5dB                    |
| 1-11 | Impedance                          | 50Ω                      |
| 1-12 | Input/Output Connectors            | 2.92mm-F                 |
| 1-13 | DC Power Supply                    | +12V/≤500mA              |
| 1-14 | TTL Control                        | 0 ~ 0.8V=ON/3.3 ~ 5V=OFF |

## 2. Absolute Maximum Ratings

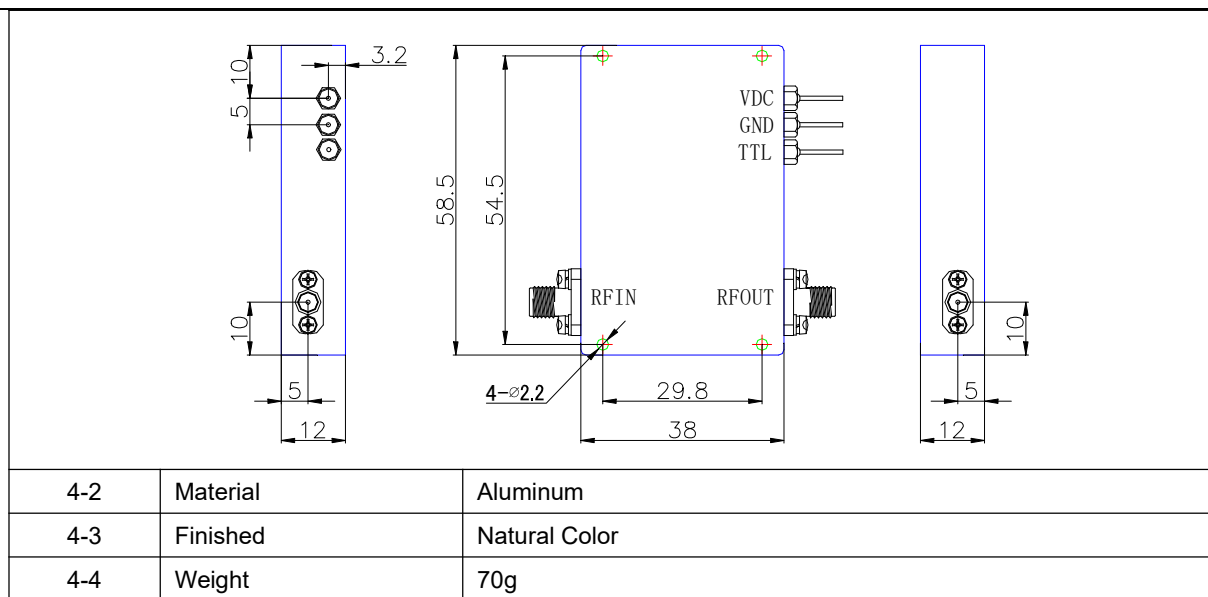
| ID  | Parameter                                                                 | Rating   |
|-----|---------------------------------------------------------------------------|----------|
| 2-1 | Operating Voltage                                                         | 12 ~ 18V |
| 2-2 | RF Input Power                                                            | ≤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 |                 |                |



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