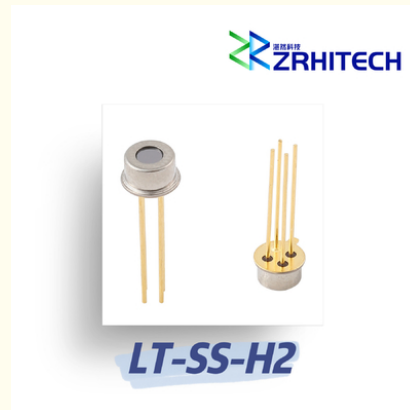


## Aluminum Gas Detection Made Easy with High Precision NDIR H2 Gas Sensor

Our Product Introduction

### Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-SS-H2
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T



### Product Specification

- Features: High Sensitivity; Good Stability
- Product Name: Gas Sensor
- Material: Aluminum
- Application: Gas Detection
- Color: Silver
- Highlight: **Aluminum H2 Gas Sensor,  
High Precision H2 Gas Sensor,  
NDIR H2 Gas Sensor**

for more products please visit us on [zrhitech.com](http://zrhitech.com)

## Product Description

### LT-SS series high precision gas sensor

#### Quick Detail:

- Aluminum housing
- Low power consumption
- High repeatability
- high sensitive
- NDIR H2
- Gas detection
- CE, RoHS, REACH compliant
- 1 Year Warranty

#### Description:

LT-SS-H2 is a ZR part number for Gas Sensor;High sensitivity;Good stability

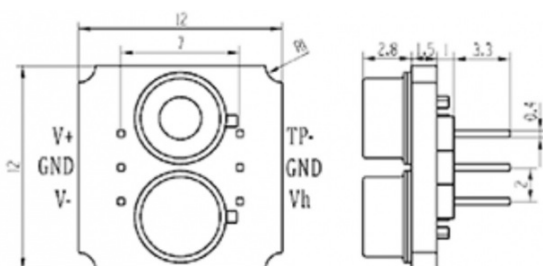
#### Specifications:

#### Electrical / Optical Characteristics (Ta=25°C±3°C)

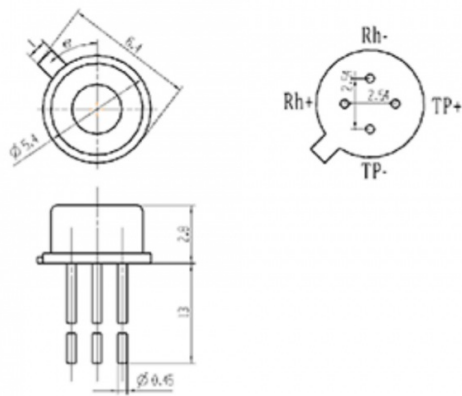
Items	Specification					Conditions		
Part Number	LT-SS-H2							
Detect principle	Thermal conductivity*							
Standard packaging	2×TO46							
Target gas	H2							
Effective detection range	0~100%							
Test carrier gas conditions	Air(20.9%O2in N2) 20℃±2℃,50±5%RH							
Test gas conditions	H2, concentration0~4%							
Circuit conditions	Heating voltage Vh=2±0.01V DC							
Preheating time	5min							
Heater resistance(Rh)	working	300Ω±10%	reference	300Ω±10%	Room temp.			
Temp. Measuring element resistance(TP)		70kΩ±10%		70kΩ±10%				
Heating power consumption(PH)	PH=13.3mW×2							
Signal Standard Deviation(σ)	20±10uV(2Hz,1min sampling,differential wiring)							
Response time(T)	3 s (T80)							
Sensitivity(S)	About 3Mv/%							
Linearity	2%(the concentration more than 4% may cause additional nonlinearity)							
Note: for custom specs, please contact us directly.								


#### Outline Drawing (Unit: mm):


With PCB substrate



Without PCB substrate



 **Sichuan ZR Hi-Tech Ltd.**

 13541202623

 [info@zrhitech.com](mailto:info@zrhitech.com)

 [zrhitech.com](http://zrhitech.com)

No.1411, Zhuye Building, 100 Xingping Road, Jinniu District, Chengdu, Sichuan Province, CHINA