

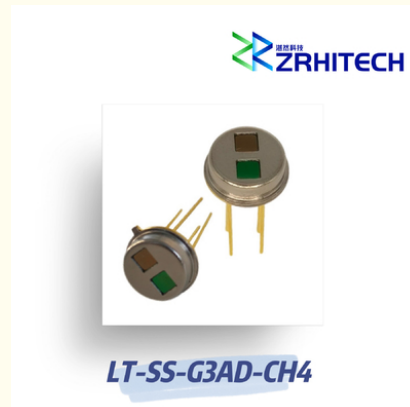
## NDIR CH4 Gas Sensor With High Infrared Response Rate

Our Product Introduction

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

### Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-SS-G3AD-CH4
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T



### Product Specification

- Features: High Infrared Responsiveness, Repeatability And Reliability
- Product Name: Gas Sensor
- Material: Aluminum
- Operating Temperature: -20~100°C
- Application: Gas Safety
- Color: Silver
- Highlight: **LT-SS-G3AD-CH4, Gas Detector, NDIR CH4 Gas Sensor**

## Product Description

### 40MHz~130MHz LT-SS series high precision gas sensor

#### Quick Detail:

- Aluminum housing
- High infrared response rate
- -20°C~+100°C operating temperature
- High repeatability
- high reliability
- NDIR CH<sub>4</sub>
- TO-39 Twin window metal shell package
- CE, RoHS, REACH compliant
- 1 Year Warranty

#### Description:

LT-SS-G3AD-CH4 is a ZR part number for Gas Sensor, Viewing Angle 108°;High sensitivity;Good stability, working temperature: -20°C~+100°C;

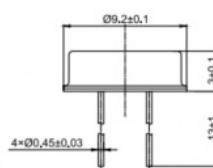
#### Specifications:

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

Items	Specification	Conditions
Part Number	LT-SS-G3AD-CH4	
Chip Size	1.8*1.8mm	
Sensitive Area	1.4*1.4mm	
Field	108°	
Resistance	72±8 kΩ	
Noise Figure	34±2 nV/Hz <sup>1/2</sup>	
Noise Equivalent Power	0.43 nW/Hz <sup>1/2</sup>	
Response Ratio	78V/W	
Time Constant	25ms	
Detectivity	1.6E08 cm*Hz <sup>1/2</sup> /W	
Thermistor Value	100±1% kΩ	
Thermistor Beta Value	3950±1% K	
Operating Temperature	-20°C~+100°C	
Storage Temperature	-40°C~+125°C	
Duty Cycle(%)	45%~55%	
Dimension	14×9 series(4pad)	
Note: for custom specs, please contact us directly.		

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

Optical Filter			
CWL (nm)	FWHM	peak transmittance	Cut-off range (nm)
3300±30	160±20	≥80%	UV~11000(≤1%)
3910±40	90±20	≥75%	UV~11000(≤1%)



Electrical connection				
PIN	1	2	3	4
Define	NTC	TP2	TP1	GND