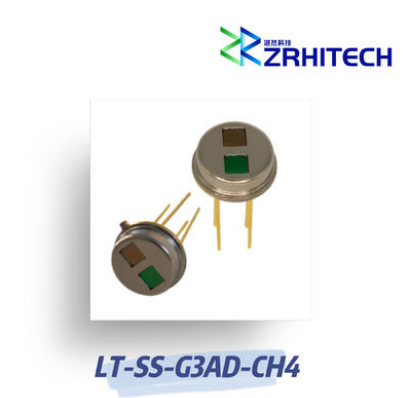
NDIR CH4 Gas Sensor With High Infrared Response Rate

Our Product Introduction

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
- Application: Gas Safety
- Color: Silver
- Highlight: **LT-SS-G3AD-CH4**, **Gas Detector**, **NDIR CH4 Gas Sensor**

Product Description

NDIR CH4 Gas Sensor With High Infrared Response Rate

Key Features

- Aluminum housing for durability
- High infrared response rate for accurate detection
- Wide operating temperature range: -20 to +100
- Exceptional repeatability and reliability
- NDIR CH4 detection technology
- TO-39 Twin window metal shell package
- Compliance with CE, RoHS, and REACH standards
- Backed by 1-year warranty

Product Description

The LT-SS-G3AD-CH4 is a high-precision gas sensor featuring a 108° viewing angle, high sensitivity, and excellent stability. Designed for demanding industrial applications, it operates reliably in temperatures ranging from -20 to +100 .

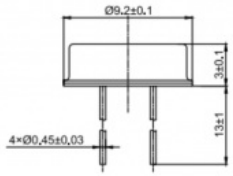
Technical Specifications

Parameter	Specification	Conditions
Part Number	LT-SS-G3AD-CH4	
Chip Size	1.8×1.8mm	
Sensitive Area	1.4×1.4mm	
Field of View	108°	
Resistance	72±8 kΩ	
Noise Figure	34±2 nV/Hz$^{1/2}$	
Noise Equivalent Power	0.43 nW/Hz$^{1/2}$	
Response Ratio	78V/W	
Time Constant	25ms	
Detectivity	1.6E08 cm·Hz$^{1/2}$/W	
Thermistor Value	100±1% kΩ	
Thermistor Beta Value	3950±1% K	
Operating Temperature	-20 to +100	
Storage Temperature	-40 to +125	
Duty Cycle	45% to 55%	
Dimensions	14×9 series (4pad)	

For custom specifications, please contact our technical team directly.

Outline Drawing

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

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