

High Infrared Response Rate Temperature Sensor

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-SS-T3AL-F55
- 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: Temperature Sensor
- Material: Aluminum
- Operating Temperature: -20~85
- Application: Temperature Measurement
- Color: Silver
- Highlight: **LT-SS-T3AL-F55, LT-SS-T3AL-F55 Temperature Transducer, high temperature pressure transducer**

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Product Description

High Infrared Response Rate Temperature Sensor

Product Attributes

Attribute	Value
Product name	Temperature Sensor
Features	High infrared responsiveness, repeatability and reliability
Material	Aluminum
Operating Temperature	-20~85
Application	Temperature Measurement
Color	Silver

Product Description

LT-SS-T3AL-F55 High Infrared Response Rate Temperature Sensor for Industrial

Quick Detail

- Aluminum housing
- High infrared response rate
- 70 ~+300 temperature measure range
- High reliability
- CE, RoHS, REACH compliant
- 1 Year Warranty

LT-SS-T3AL-F55 is a ZR part number for Temperature Sensor. TO-39 package, viewing Angle 38°; High infrared absorption layer structure, high sensitivity; Fully integrated digital infrared thermopile; I2C interface, support PWM, relay mode output; Good stability, working temperature: -20 ~85 ; Built-in high precision 24-Bit Sigma delta ADC, and calibration DSP algorithm, etc. Temperature measurement range: -20~+300 ; Temperature measurement accuracy: ± 1 below 100 , $\pm 2\%$ above 100 .

Specifications

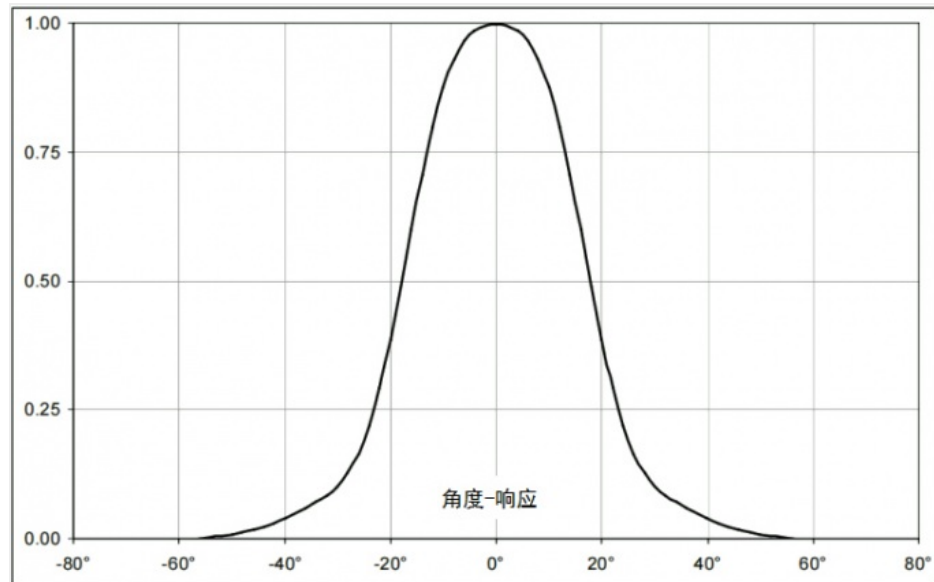
Electrical / Optical Characteristics (Ta=25 \pm 3)

Items	Specification	Conditions
Part Number	LT-SS-T3AL-F55	
Thermopile Sensitive Area	1.4*1.4mm ²	
Field	38°	
Operating Voltage	2.3V Min.	
Operating Current	800 μ A Max. ; 507 μ A Typ.	
Sleep Current	5 μ A Typ.	
Operating Temperature	-20 ~+85	
Storage Temperature	-40 ~+125	

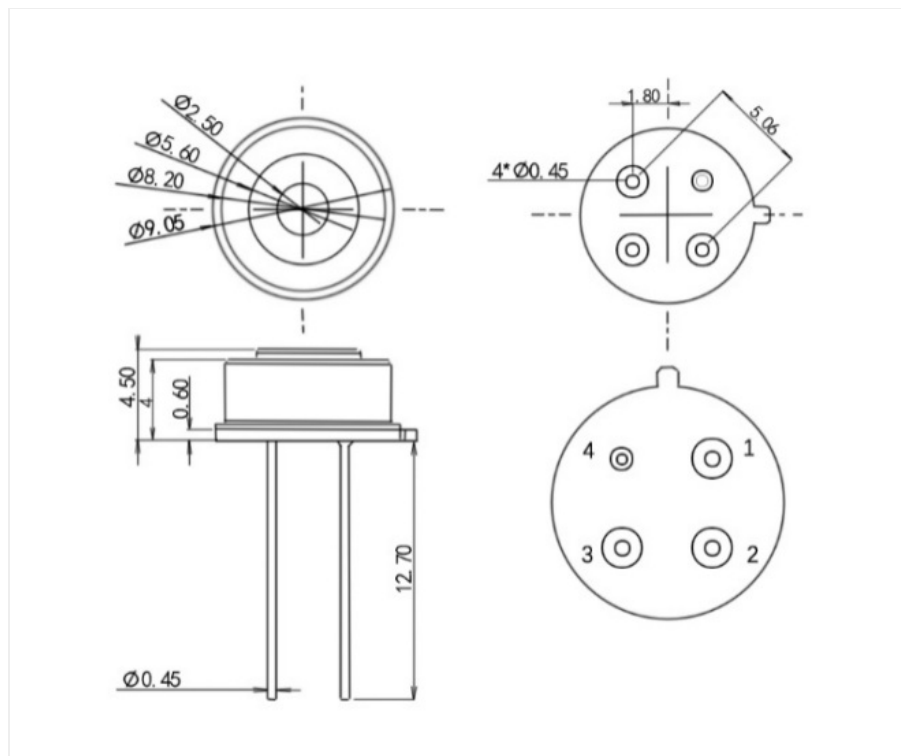
ESD performance HMB	±2kV Typ.	
Filter Wavelength Range	5.5-15 μm	
Measuring Range	-70 ~+300	
Accuracy	+/-1 (100 Min.@measure range+/-2%)	

Note: for custom specs, please contact us directly.

Field



Outline Drawing (Unit: mm)





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