

High Infrared Response Rate Temperature Sensor

Our Product Introduction

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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°C
- Application: Temperature Measurement
- Color: Silver
- Highlight: **LT-SS-T3AL-F55, LT-SS-T3AL-F55 Temperature Transducer, high temperature pressure transducer**

Product Description

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

Quick Detail:

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

Description:

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°C~85°C; Built-in high precision 24-Bit Sigma delta ADC, and calibration DSP algorithm, etc. Temperature measurement range: -20~+300°C; Temperature measurement accuracy: $\pm 1^{\circ}\text{C}$ below 100°C, $\pm 2\%$ above 100°C.

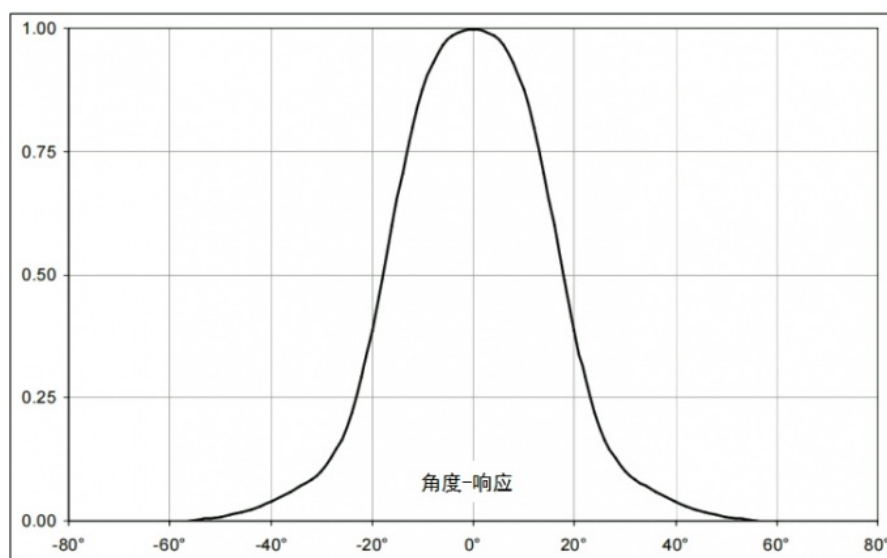
Specifications:

Electrical / Optical Characteristics (Ta=25°C $\pm 3^{\circ}\text{C}$)

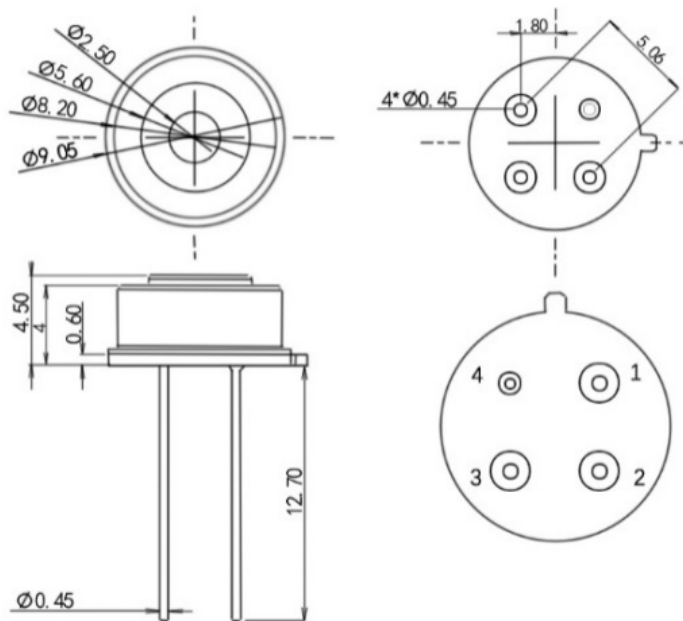
Items	Specification	Conditions
Part Number	LT-SS-T3AL-F55	
Thermopile Sensitive Area	1.4*1.4mm ²	
Field	38°	
Operating Voltage	2.3V Min.	
Operating Current	800 μA Max. ; 507 μA Typ.	
Sleep Current	5 μA Typ.	
Operating Temperature	-20°C~+85°C	
Storage Temperature	-40°C~+125°C	
ESD performance HMB	$\pm 2\text{kV}$ Typ.	
Filter Wavelength Range	5.5-15 μm	
Measuring Range	-70°C~+300°C	
Accuracy	$\pm 1^{\circ}\text{C}$ (100°C Min.@measure range $\pm 2\%$)	

Note: for custom specs, please contact us directly.

Field



Outline Drawing (Unit: mm):



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