

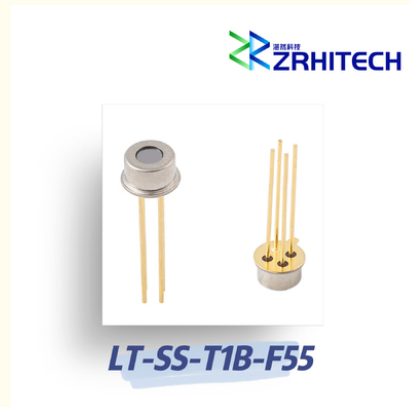
High Infrared Response Rate Human Body Temperature Sensor

Our Product Introduction

for more products please visit us on zrhitech.com

Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-SS-T1B-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: Forehead Thermometer
- Color: Silver
- Highlight: **Human Body Temperature Sensor, Forehead Temperature Sensor, High Infrared Response Rate Sensor**

Product Description

LT-SS-T1B-F55 High Infrared Response Rate Human Body Temperature Sensor

Quick Detail:

- Aluminum housing
- High infrared response rate
- -20°C~+100°C temperature measure range
- high reliability
- CE, RoHS, REACH compliant
- 1 Year Warranty

Description:

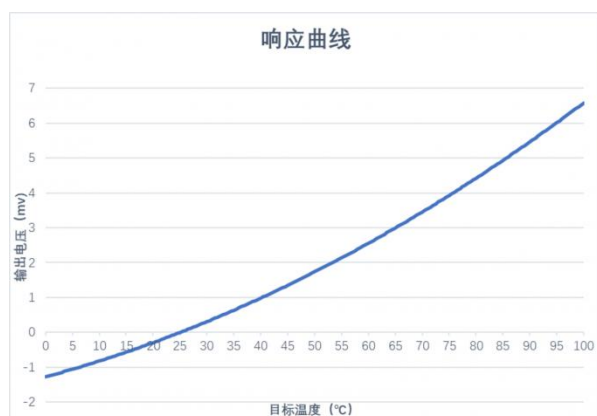
LT-SS-T1B-F55 is a ZR part number for Temperature Sensor. viewing Angle 82°; High infrared absorption layer structure, high sensitivity; Fully integrated digital infrared thermopile; I2C interface, support PWM, relay mode output; Good stability, working temperature: -20°C~100°C

Specifications:

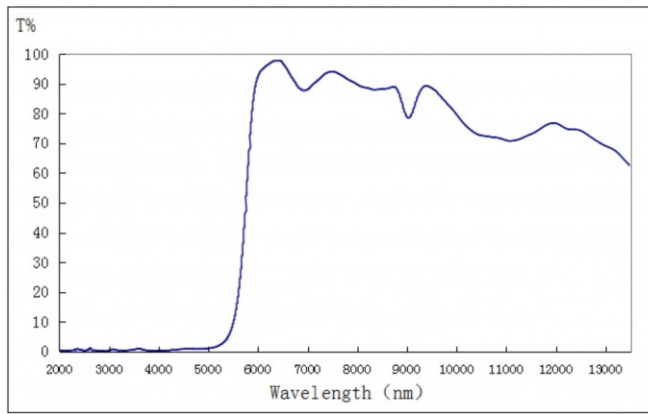
Electrical / Optical Characteristics (Ta=25°C±3°C)

Items	Specification	Conditions
Part Number	LT-SS-T1B-F55	
Chip Size	1.15*1.15mm	
Sensitive Area	0.85*0.85mm	
Voltage Response	0.77mv	
Field	82°	
Resistance	160±15 kΩ	
Noise Figure	52±2 nV/Hz ^{1/2}	
Noise Equivalent Power	0.55 nW/Hz ^{1/2}	
Response Ratio	95V/W	
Time Constant	18ms	
Detectivity	1E08 cm*Hz ^{1/2} /W	
Thermistor Value	100±1% kΩ	
Thermistor Beta Value	3950±1% K	
Operating Temperature	-20°C~+100°C	
Storage Temperature	-40°C~+125°C	
Dimension	16.8×5.35 series(4pad)	
Note: for custom specs, please contact us directly.		

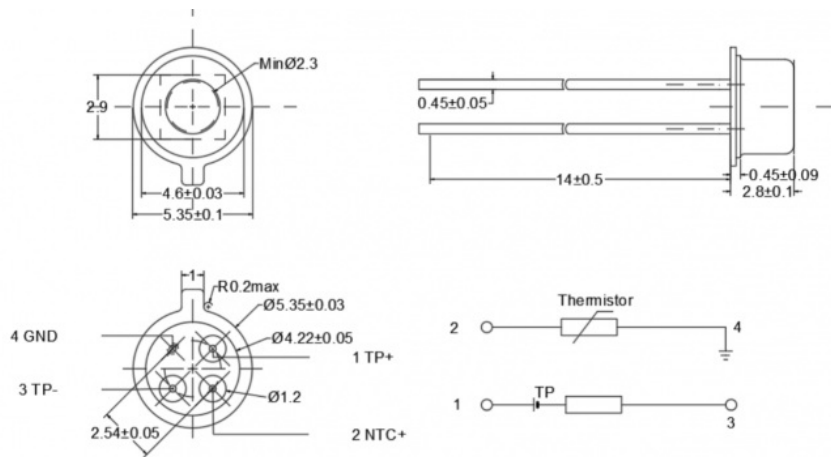
Response Curve



Filter



Outline Drawing (Unit: mm):



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