



Digital output IR detector

ZTPD-2210 digital output IR detector series presents the temperature compensated digital I2C output. Thermopile and ASIC integrated into single TO-39 metal package and provide temperature compensated temperature output signal. It can also provide a compatibility with the customer's device without the recalibration of the device that is using

Features

- Thermopile and ASIC integrated TO package
- Low power consumption(Typ. 5mA)
- No need warm up time @ key-on to read temp.
- Design freedom for location, installation
- Smaller, compact package
- Variable FOV value(10degree ~ 80 degree)
- Digital I2C protocol
- RoHS Compliant (Directive 2002/95/EC)

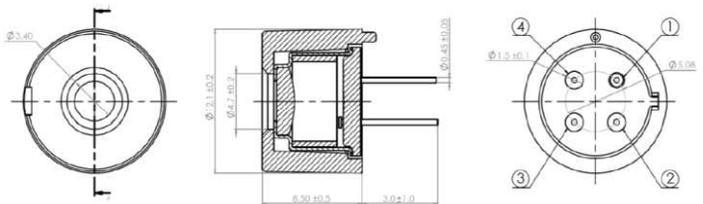


Applications

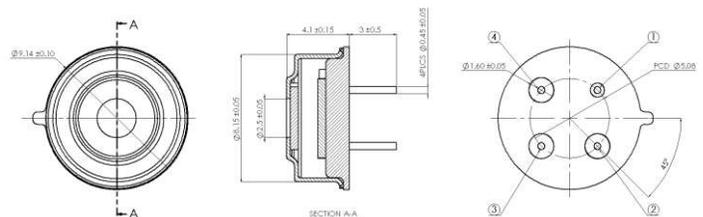
- Non-contact thermometer
- Kiosk / Scanner
- Occupancy detection
- Handheld temperature measurement devices

Dimension

- Narrow FOV detector(under 20degree)



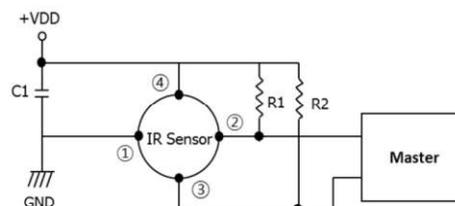
- Wide FOV detector



Specification

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Supply voltage	: 5.0 ± 0.1 VDC
Supply Current	: 5mA(Typical)
Operating Temp.	: -20°C to 85°C
Storage Temp.	: -40°C ~ 120°C
Measuring Temp.	: Variable
Accuracy	: ± 1.0°C@40°C



Remark

- R1, R2(Full up resistor) : 2.2 ~ 10Kohm
- C1(Decoupling capacitor) : 100nF