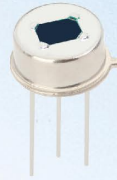


PIR Sensors (Body induction sensors)

RD series

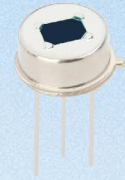
- Good anti-interference
- High signal-to-noise ratio
- Production 200,000 pcs/day



Window size	Optional (3*4, 3.8*5 mm)
Output signal	analog
Sensitive elements	2*1mm, dual elements
Standard Encapsulation	TO-5, 3 pins
Working Voltage	3~15 V
Sensitivity	≥3200 V/W
Sensing Distance	depends on lens

RPTD/RDA series

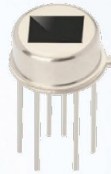
- Digital TTL signal output
- Wide voltage power supply (2.2~5V)
- Good anti-interference/anti-visible light ability



Window size	Optional (3*4, 3.8*5, 4.9*4.9mm)
Output signal	digital
Sensitive elements	Optional (dual elements, quad elements)
Pins	Optional (3, 4, 6 pins)
Working Voltage	2.2~5.5 V
Function	Sensitivity, LDR and delay time can be adjustable.
Sensing Distance	depends on lens

RPTD624-3-X

- 16-bit digital output
- Smart sensor, easy to adjust
- High sensitivity and superior signal-to-noise ratio



Window size	3*4 mm
Output signal	16-bit digital
Working Voltage	2.5~5.5 V
Current	8.0 uA
Sensitive elements	2*1mm, dual elements
Standard Encapsulation	TO-5, 3 pins (VDD, REL, VSS)
Application	Security product, Smart home, IOT terminals

ZRD09

- Automatic Induction
- Photo-resistor control(optional, not set at factory)
- Two trigger modes: L, non-repeatable trigger; H, repeatable trigger



Working Voltage	5~20V DC
Static Current	<65μA, @5V
Level Output	High Level, 3V; Low Level, 0V
Trigger Mode	Repeatable/Unrepeatable
Delay Time	3~300S (adjustable)
Blocking Time	Default 4s
Detection Angle and Distance	Depend on the Lens

Thermopile Temperature Sensors

RTTA71

- TO-46 small volume package
- High sensitivity
- High precision NTC



Sensitive area of thermopile	1.35*1.35 mm
Field of view	95 Degree
Output signal	analog
Noise voltage	38 nV/Hz ^{1/2}
Noise equivalent power	0.23 nW/Hz ^{1/2} @ 500K, 1Hz, 25°C
Response rate	160±40 V/W @ 500K, 1Hz, 25°C
Temperature coefficient of resistance	0.06 %/°C




MRTD3011

- TO-39 metal package
- Full integrated digital infrared thermopile
- I2C output with internal temperature compensation



Sensitive area of thermopile	0.7*0.7 mm
Field of view	54 Degree
Working Voltage	2.6~5.5 V
Working temperature	-20~85 °C
Temperature measurement range	-20~250 °C
Temperature measurement accuracy	±1°C for below 100°C range; ±2% for over 100°C
Filter wavelength range	5.5-14 um

RTT series

Model	RTT-D7211-A	RTT-D7211-B	RTT-D7211-C
Picture			
Recommended test distance	10 cm	20 cm	35 cm
Field of view (50% signal)	33 °	13 °	5 °
Description	Configure aluminum sleeve	Silicon lens	Silicon lens
Typical application case	Battery pack temperature measurement Hair dryer Constant temperature milk box	Oven Micro-wave oven	High voltage terminal Intelligent electric control box Industrial process