

Flame Detection Solutions

● Smart Flame Sensor ● Flame Detection Module ● Flame Detection Camera

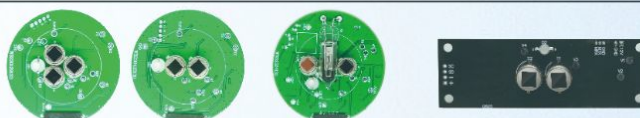
For industrial and civil fields, can realize early warning of fire, and escort industrial production and residents' life

Pyroelectric Flame Sensor



Module	RPFA913CC	RPFA913CD	RPFA913CE	RPFA913CF	RPFA913CG
Central wavelength	3.8μm	4.3μm	4.4μm	4.48μm	5μm
Output signal Vo (500K, 10HZ, 25°C)	2.0±10% V	4.8±10% V	4.5±10% V	5.4±10% V	4.3±10% V
Output noise voltage VN (10HZ, BW1HZ, 25°C)	≤150mv				
Field of view	>115°				
Detection distance	>35m				

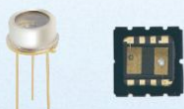
Pyroelectric Flame Module



Model	ZRP330	ZRP320	ZRP370	ZRP321
Detection target	the combustion of hydrocarbons		The combustion of hydrocarbon substances and non-carbon-containing substances.	Flame of carbon-containing substances
Wavelength range	3.8-5.0μm	4.48-5.0μm	IR4.48um-5.0um, UV185-260nm	4.4um, 5.0μm
Output signal	High and low levels, can be used to drive a relay.			Serial port, High and low levels (0 or 3.3V)
	PWM output		PWM output, can be used as a 4-20mA control signal	
	The LED indicator turns red.		The LED indicator turns red.	

PbSe Infrared photoconductive sensor

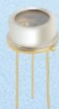
Model: REF-X2212(H/B/C/D), REF-X2115-H



Photosensitive area	1.2x5mm	Response time	20μs	Dark resistance	0.2-2.0MQ
Response wavelength range	1-5μm	Window type	Sapphire; Narrow Band Filters	Working temperature	-40 to 60°C
Central wavelength	Sapphire: 1-5μm; Narrow Band Filters: 2.7μm, 3.8μm, 4.3μm	Peak Responsivity	4*10 ⁻⁴ V/W	Peak Normalized Detection Rate	1*10 ⁻¹⁰ cm-Hz 1/2/W

PbS Infrared photoconductive sensor

Model: RGF-L1212(H/A/B)



Photosensitive area	2x2mm	Response time	200μs	Dark resistance	0.3-3.0MQ
Response wavelength range	1-3μm	Window type	Sapphire; Narrow Band Filters	Working temperature	-30 to 60°C
Central wavelength	Sapphire: 1-6μm; Narrow Band Filters: 1.05μm, 2.7μm	Peak Responsivity	4*10 ⁻⁵ V/W	Peak Normalized Detection Rate	1*10 ⁻¹¹ cm-Hz 1/2/W

Four Core Strengths

Low false alarm, Low false negative, Excellent reliability, Large viewing angle, Short response time, Long detection distance, Easy system integration, Cost-effective



Residential Building



Commercial Site



Garage



Factory



Warehouse