



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



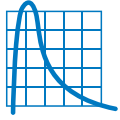
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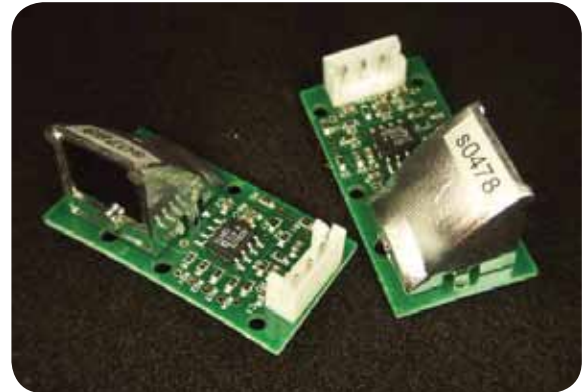




T H E R M O M E T R I C S
A C O M M I T M E N T T O E X C E L L E N C E

ZTP-115M

Thermopile IR Module



The ZTP-115M is a single IR module used for non-contact surface temperature measuring. It consists of a thermopile, IR sensor, signal conditioning and voltage output.

Applications

- Occupancy detection
- HVAC
- Appliance
- Microwave oven

Features

- Non-contact measurement
- Wider surface area measurement
- Small-size sensor package
- Included ambient temperature - (thermistor) sensor for compensation
- High sensitivity
- Fast response time
- Low cost
- Analog output

Amphenol
Advanced Sensors

Specifications

Supply Voltage

Single Supply (+5V)

Supply Current

Typical 2.7 mA

Response Time

0.3 ~ 0.6 second

Range of Measuring Temperature

-40°C ~ 145°C

Operating Temperature

-20°C ~ 100°C

Storage Temperature

-20°C ~ 120°C

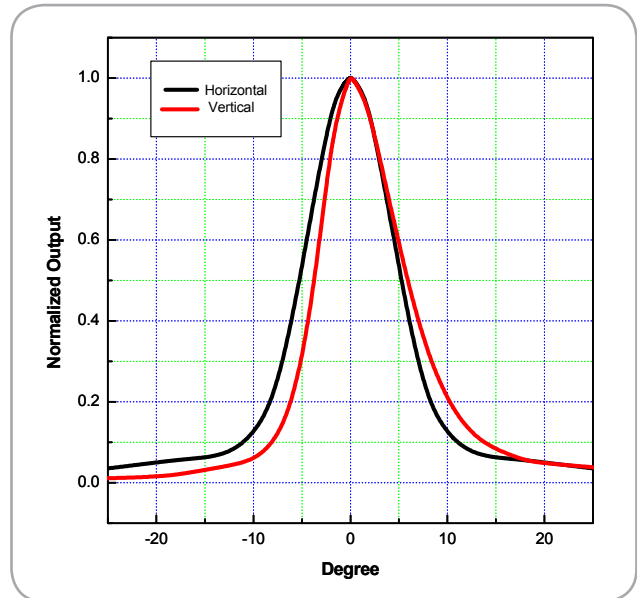
Thermopile Sensor

ZTP-115

Field of View

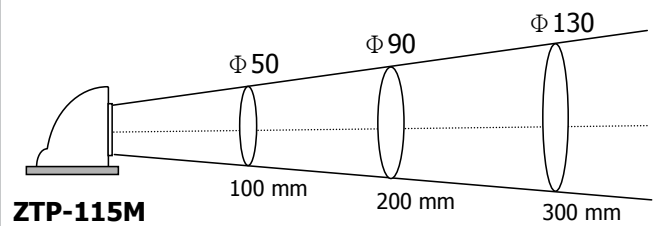
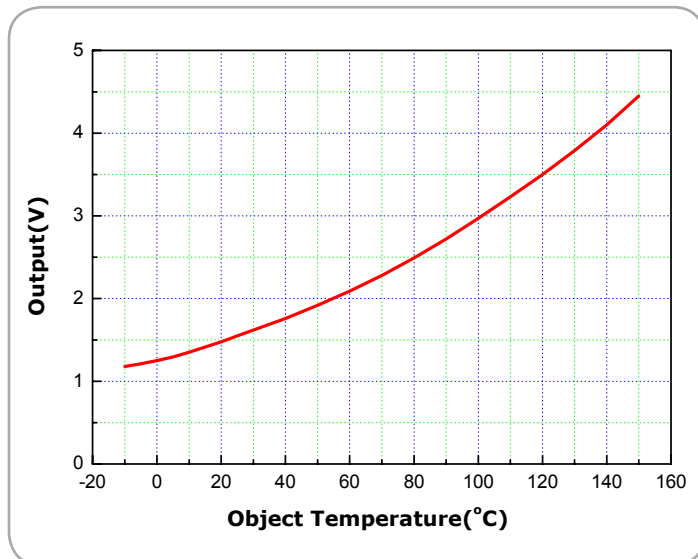
- Horizontal Normalized Output (above 50%) : $\pm 5.5^\circ$
- Vertical Normalized Output (above 50%) : $+6^\circ / -3.5^\circ$

*Condition : Distance of IR Point Source to Reflector : 170 mm

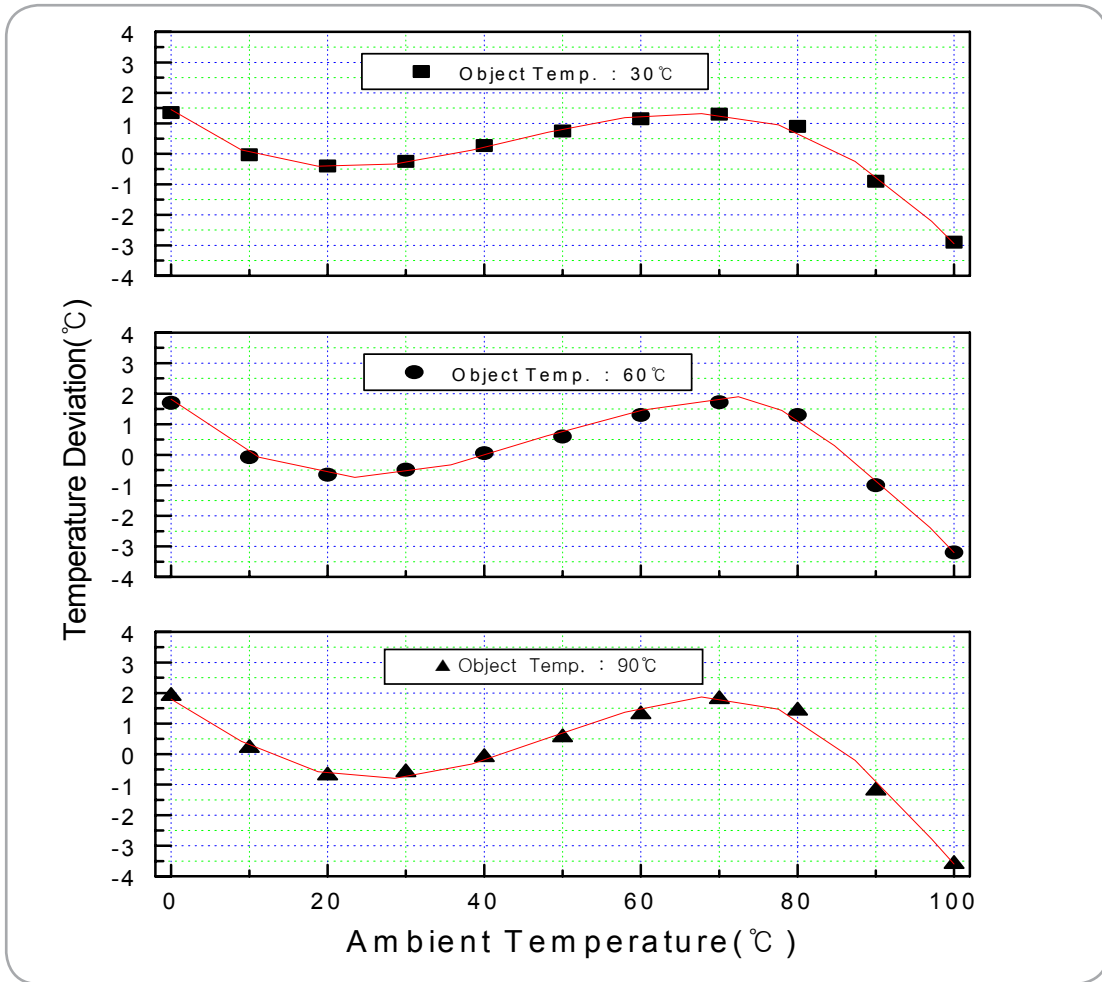


- Spot Size of Normalized Output (above 10%)

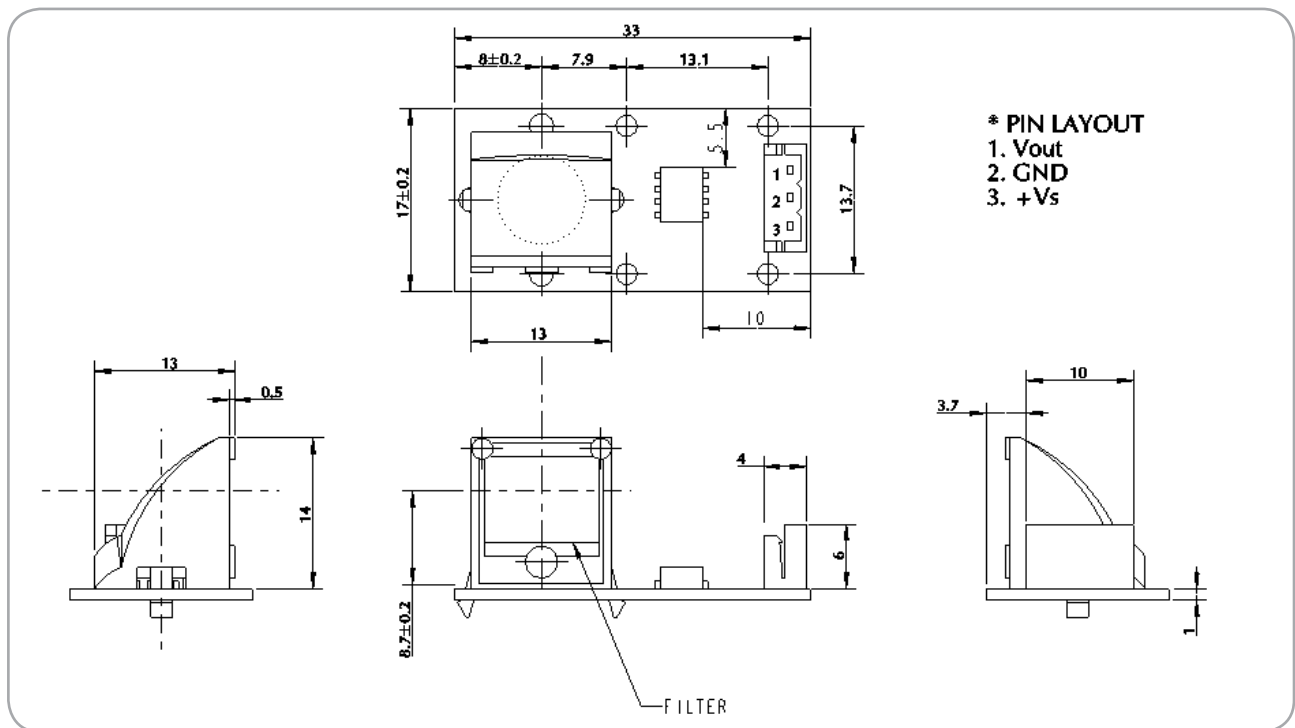
Sensitivity



Temperature Accuracy (Typical)



Outline of Sensor Packaging and Pin Arrangement



Module Circuit

