

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-188ML

Thermometrics IR Module



The ZTP-188ML infrared module is used for non-contact surface temperature monitoring. This thermopile IR module presents the temperature compensated 8 linear array outputs via UART with optics (Silicon Lens). It can also provide compatibility with the customer's device without the need for recalibration. The ZTP-188ML uses 4-wire connections: two signals for I²C output, single power supply and ground.

The field of view of each element of ZTP-188ML is about ± 26 (Horizontal) degrees for 50% normalized output. The total size is only 30 mm X 28 mm.

Applications

- Microwave oven
- IR Detector for narrow FOV detection

Features

- 1 x 8 array module
- Digital temperature output
- Fully calibrated and compensated
- UART output
- Compact size and large detection range

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Specifications

Supply Voltage

Single Supply (+5V)

Output mode

Temperature(UART protocol)

Temperature Range

-20°C ~ 100°C

Operating Temperature

-20°C ~ 100°C

Storage Temperature

-20°C ~ 120°C

Total FOV

52 degree

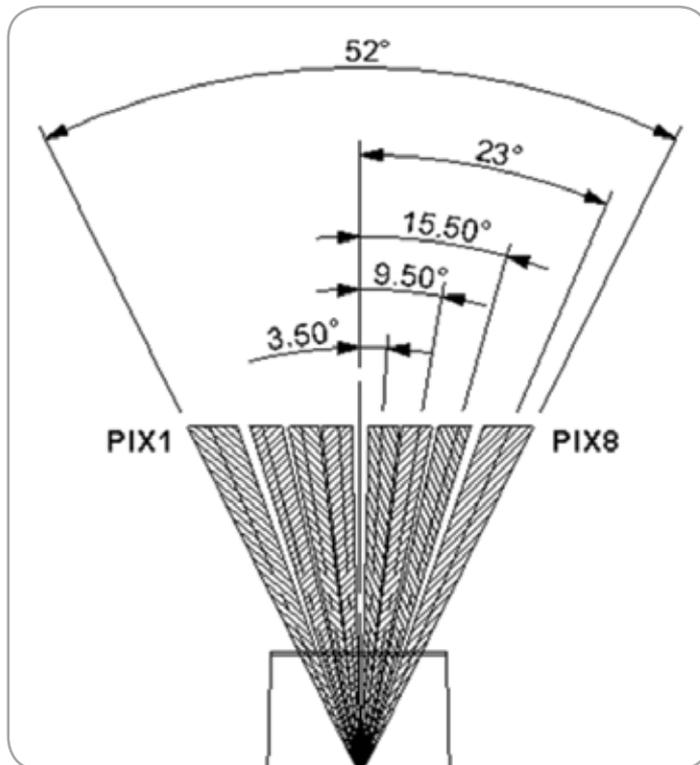
Pixel FOV

8 degree

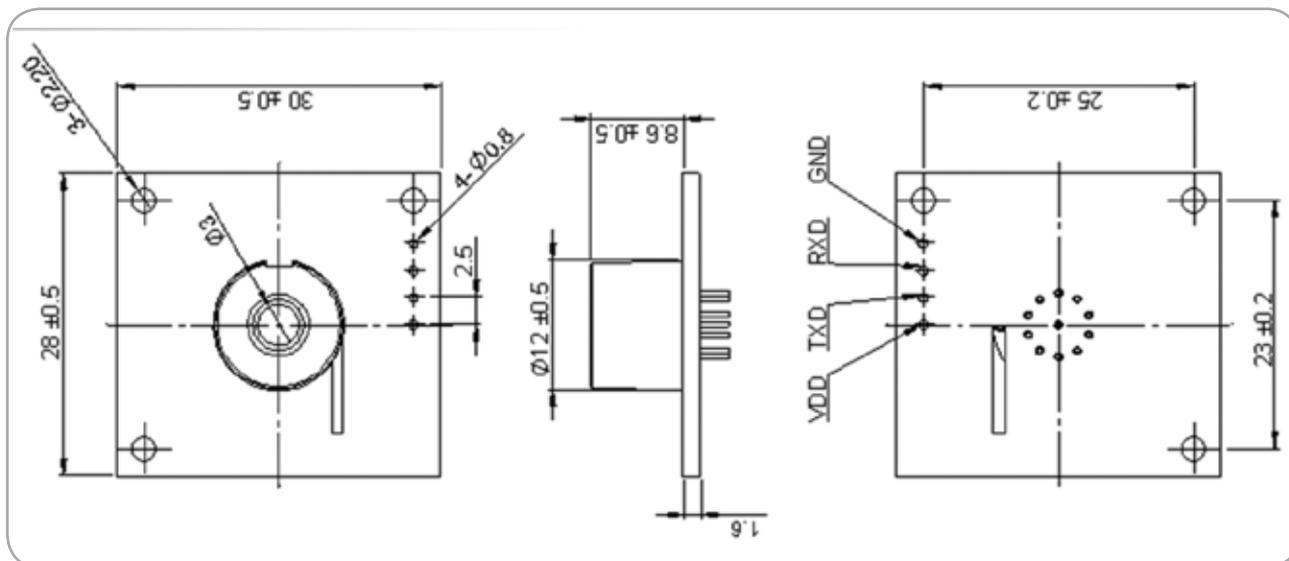
Module Size

30 mm x 28 mm

FOV of Sensor Module



Package Dimension



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