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
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

Package Dimension

Amphenol
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