



THERMOMETRICS  
A COMMITMENT TO EXCELLENCE

# Product Spotlight

## TO-46 package IR detector



### Description

The thermopile sensor is used for non-contact surface temperature measuring. TO-46/41 metal package IR sensor consisted of thermo-elements, flat IR filter, device for temperature compensation (Thermistor) and hermetically sealed metal package.

### Applications

- Small Size sensor (TO-46 and TO-41 Package)
- Ear-Thermometer
- Non-contact Thermometer

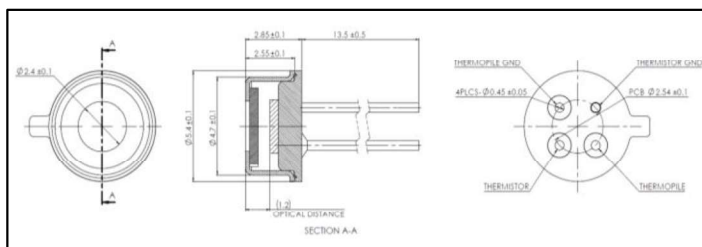
### Features

- High Sensitivity
- Fast Response time
- Low cost

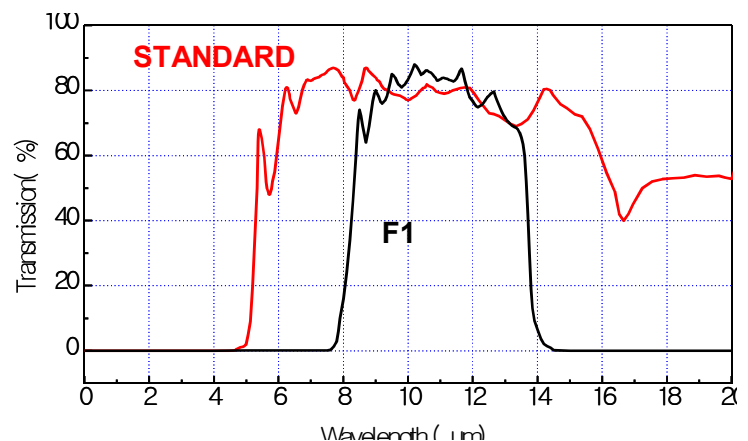
### Specification

| Package type | Part name    | Chip size (mm) | Active area (mm) | Responsivity (V/W) | FOV | TP Chip Resistance (kΩ) | Remark           |
|--------------|--------------|----------------|------------------|--------------------|-----|-------------------------|------------------|
| TO-46        | ZTP-135S     | 1.8 × 1.8      | 0.7 × 0.7        | 62                 | 85  | 60                      |                  |
|              | ZTP-135SR-F1 | 1.8 × 1.8      | 0.7 × 0.7        | 38                 | 85  | 60                      |                  |
|              | ZTP-148SR    | 1.8 × 1.8      | 0.7 × 0.7        | 85                 | 85  | 85                      |                  |
|              | ZTP-159S     | 1.8 × 1.8      | 1.0 × 1.0        | 29                 | 85  | 96                      |                  |
|              | ZTN-159S-G3  | 1.8 × 1.8      | 1.0 × 1.0        | 29                 | 85  | 96                      | CO2 gas detector |

### Dimension



### Filter Transmittance data



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