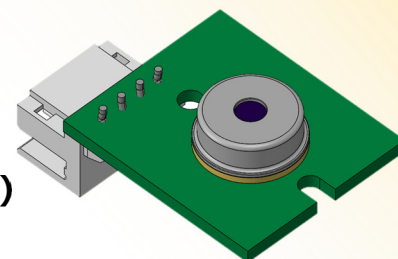


# Thermopile sensor unit

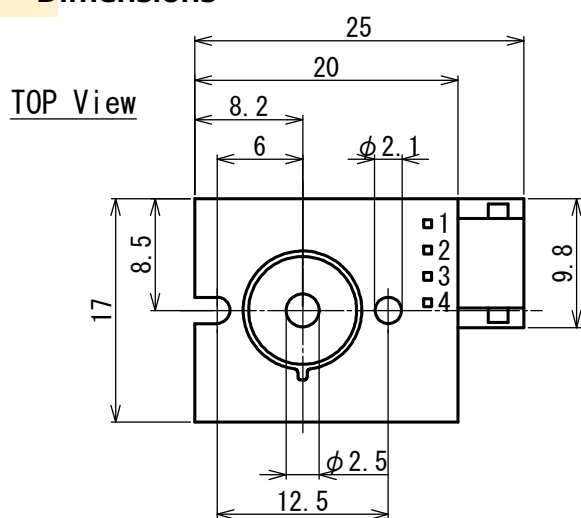
## TSUP-A3D01S-FB-50-60

- Applications Air-conditioner  
(Floor temperature monitor)  
Target temperature -20~60°C

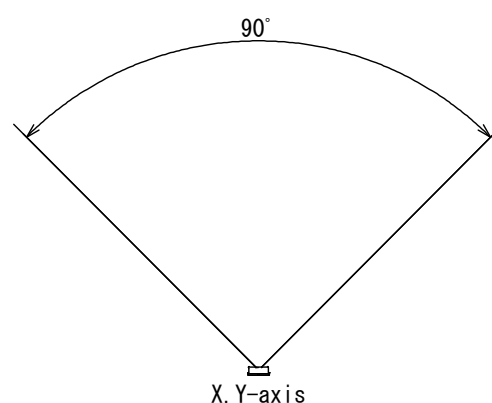
- Feature Thermopile sensor Unit (SMBus comms)  
Wide-angle detection  
(Single element)



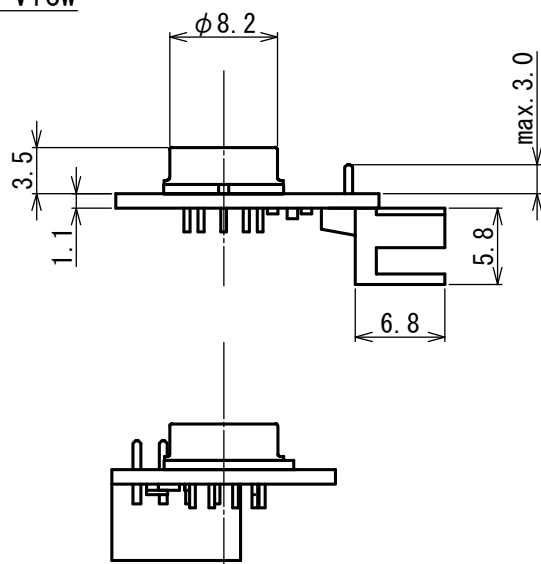
### Dimensions



### FOV

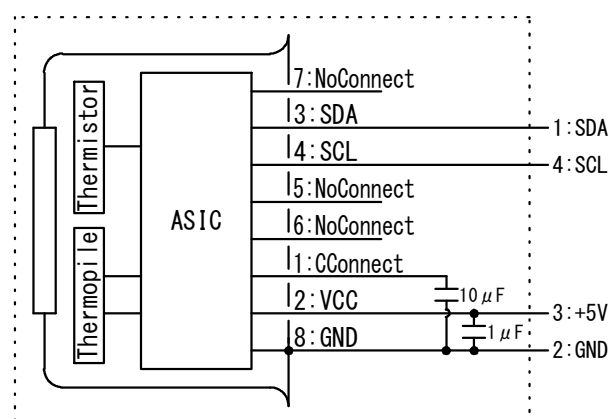


### SIDE View



Tolerance with no specified : +/- 0.2

### Circuit diagram



### ■ Main Parameter

| Parameter             | Condition           | Spec. |      |      | Unit  |
|-----------------------|---------------------|-------|------|------|-------|
|                       |                     | Min.  | Typ. | Max. |       |
| Operating Voltage     |                     | 4.5   | 5    | 5.5  | V     |
| Detection Temperature |                     | -20   |      | 400  | °C    |
| Operating Temperature |                     | -20   |      | 100  | °C    |
| Storage Temperature   |                     | -30   |      | 105  | °C    |
| Accuracy              | Tobj=40°C、Tamb=25°C | -2    |      | +2   | °C    |
| Time Constant         |                     |       |      | 200  | msec. |