

## Functions :

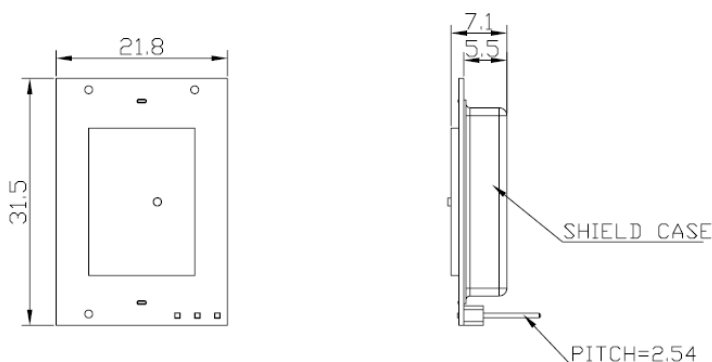
The HFM-01 is a radar sensor capable of detecting movements within range of up to 12m, Output a low-frequency signal for typical movement.

## Technical Specifications

|                   |                             |
|-------------------|-----------------------------|
| Power supply      | 5V                          |
| Power consumption | approx. 80mW                |
| Reach             | 3m – 12m                    |
|                   | Φ2m – Φ12m                  |
| Detection angle   | 180° (wall mounted)         |
|                   | 360° (ceiling mounted)      |
| Frequency         | 5.8GHZ±15MHZ                |
| Transmitter power | < 0.2mW                     |
| Output signal     | low-frequency analog signal |

## Mechanical Specifications

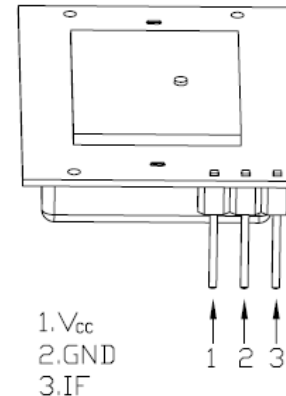
L×W×H: 31.5mm×21.8mm×7.1mm



### Installation instructions

The module through the pin needle is welded into the PCB of the end product.

## Model: HFM-01



## Applications and Instructions

Proximity switch applications, e.g. control

lighting, ventilation, motors etc...

Enhanced conveniences from automatic switching.

Energy savings from timed switch-off

The penetration of radar sensor module

For different materials, Please see blow table:

| Material         | Attenuation    |
|------------------|----------------|
| Plastics & Wood  | approx. 5-10%  |
| Glass            | approx. 15-30% |
| Metal & concrete | 100%           |

## OEM Labeling Requirements

NOTICE: The OEM must make sure that FCC labeling requirements are met. This includes a clearly visible exterior label on the outside of the final product housing that displays the contents shown in this label.

MANUFACTURERS NAME  
BRAND NAME OR TRADE NAME

Contains FCC ID: OZ3HFM-01

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that May cause undesired operation.

## FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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