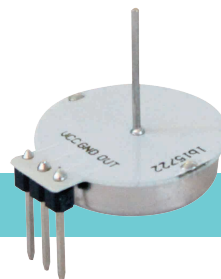


CE RED FCC REACH



## PD-V5-S 360° 5.8GHz Microwave Motion Sensor

### Application

- Intelligent switch
- Automatic light
- Intruder detect

### Feature and advantage

- Low wireless power output
- Low power consumption
- Non-contact detection
- Easy to match with the external circuit
- High anti-jamming ability  
Suit various harsh environment
- Low noise output

PD-V5-S 360° 5.8GHz Microwave Motion Sensor is a C-Band Bi-Static Doppler transceiver module. It adopts built-in Resonator Oscillator (CRO) amplified signal external circuit. More sensitive and lower power consumption than V2. It is convenient for the customers to develop various products.

This module is ideally suitable for occupancy sensor in automatic lighting switches. It can also be used for ceiling mount intruder detectors.

**According with EN 300440-V2.2.1、EN 62479: 2010**

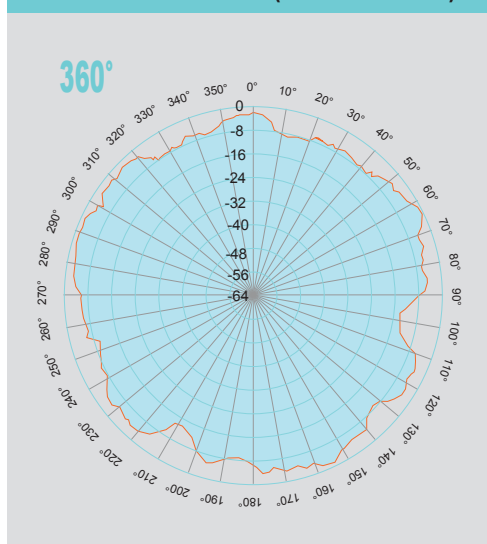
**RED directive - 2014/53/EU**

**According with FCC Part 15.249**

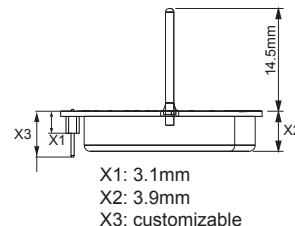
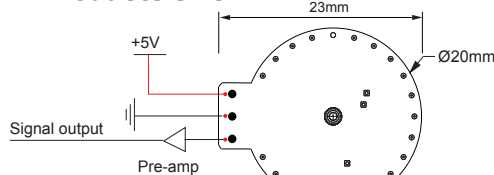
**According with EN 62321, ROHS directive - 2011/65/EU**

**According with REACH directive - 1907/2006/EC**

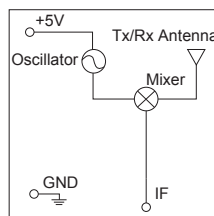
### Antenna Beam Pattern(Omni-directional)



### Products size



### Block diagram and connection



| Parameter                | Notes | Min  | Typ  | Max  | Units |
|--------------------------|-------|------|------|------|-------|
| Frequency Setting        | 1     | 5.75 | 5.80 | 5.85 | GHz   |
| Radiated Power (EIRP)    | 1     | 0.18 | 0.20 | 0.22 | mW    |
| Received Signal Strength | 2     | 150  | 200  | 300  | μVp-p |
| Noise                    | 3     | 0.5  |      | 1.8  | mVrms |
| Supply Voltage           |       | 4.75 | 5.00 | 5.25 | V     |
| Current Consumption      |       | 12   | 12.5 | 13.5 | mA    |
| Operating Temperature    |       | -20  | 25   | 125  | °C    |
| Weight                   |       | 3.5  | 3.8  | 4.3  | g     |

**Note1:** The radiated emissions is designed to meet FCC and CE rules.

**Note2:** The Received Signal Strength(RSS) is measured at the total 1 Ways path loss of 64dB.

**Note3:** The noise voltages are measured from 10Hz to 100Hz at the Output port, inside an Anechoic chamber.

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