



PD-V2 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-V2 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. 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.

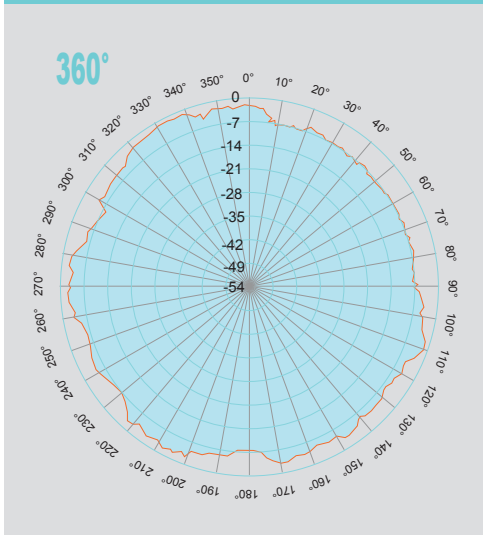
According with EN 300440-V2.1.1、EN 62479: 2010,RED directive-2014/53/eu

According with FCC Part 15.249

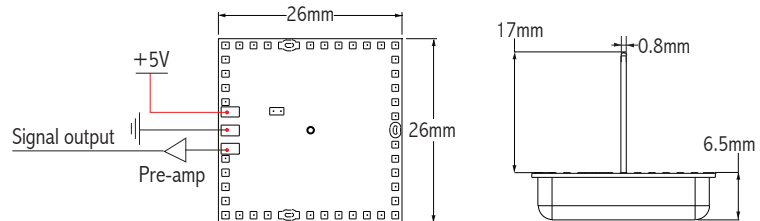
According with EN 62321,ROHS directive-2011/65/eu

According with REACH directive-1907/2006/ec

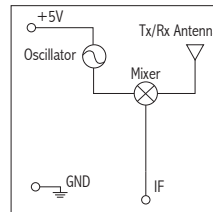
Antenna Beam Pattern(Omni-directional)



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	0.20	0.225	0.25	mW
Settling Time		5	10	20	μSec
Received Signal Strength	2	150	200	300	μVp-p
Noise	3	0.5		2	mVrms
Supply Voltage		4.75	5.00	5.25	VDC
Current Consumption		18	20	25	mA
Pulse Repetition Frequency	4	2.0	2.2	3.0	KHz
Pulse Width	4	15	50	70	μSec
Operating Temperature		-10	22	90	°C
Weight		3.7	4.0	4.5	g

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

Note2: The Received Signal Strength (RSS) is measured at the total 1 Ways path loss of 54dB.

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

Note4: Pulse operation

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