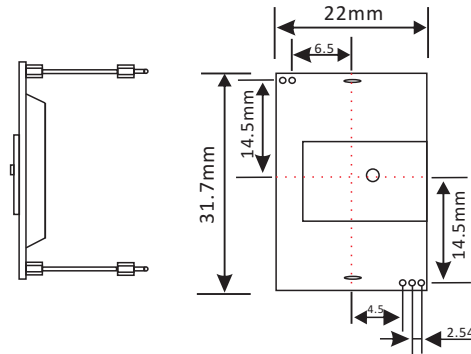
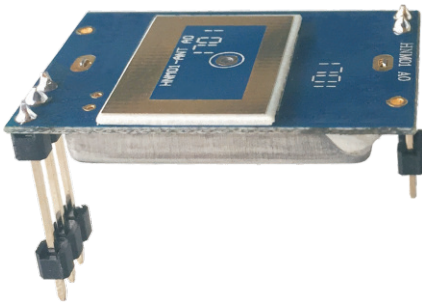


MODEL: HNM01



Description

The 5.8GHz planar antenna microwave module is utilizing Doppler principle, this module oscillator generates an oscillation signal of 5.8 GHZ, the oscillation signal outputs to the microwave transmitting/receiving antenna, and the module transmitting/receiving antenna transmits a 5.8GHz microwave signal. When detecting movement of objects in the controlled area, the module transmitting/receiving antenna may receive an echo signal having a reflection frequency. After the oscillation signal generated by the microwave oscillator and the echo signal outputs to the microwave Schottky diode double balanced mixer for differential-frequency processing, outputs valid electric IF signal.

Applications

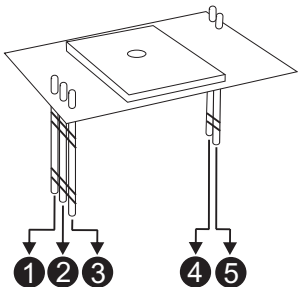
- ☆ General purpose movement detectors.
- ☆ Security systems.
- ☆ Industrial sensors.

Features

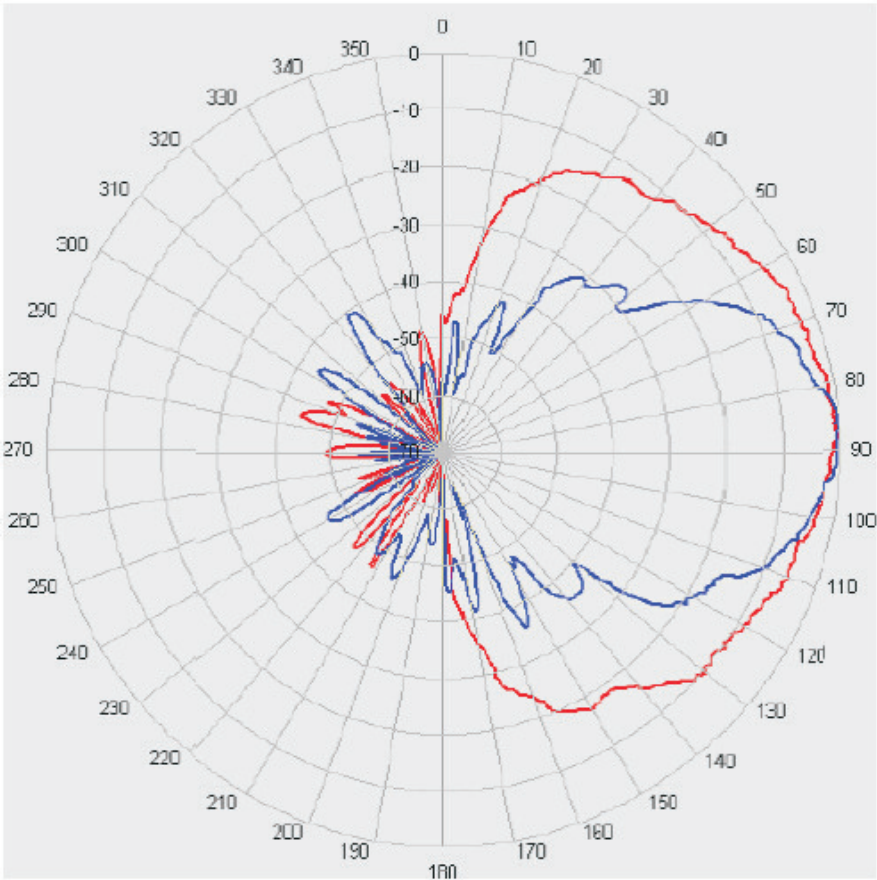
- Low cost.
- 5.8GHz C-band miniature transceiver.
- Patch antenna, antenna gain: 2 dBi.
- Beam aperture: 30°.
- 2 balanced mixer.
- 5dBm EIRP output power.
- Receiver bandwidth: 1Hz ~ 2KHz.
- Operating current(CW mode): 13.5mA@5V.
- Low power consumption(Pulse mode):
- Average current: 1.5mA typ.
- Pulse width(min.):10~50μs(10kHz~2kHz)
- Duty cycle:10% DC
- RoHS compliant
- Tested to EN300 440

PIN Description

PIN	Name	Description
1	VCC	$5 \pm 0.25\text{V DC}$
2	GND	/
3	IF Output	/
4	NC	Fix PIN
5	NC	Fix PIN



Coverage Pattern



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.

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.

This module is intended for OEM integrator. The OEM integrator is still responsible for the FCC compliance requirement of the end product, which integrates this module, the final end product must be labeled in a visible area with the following "Contains FCC ID: 2AL7PHNM01"