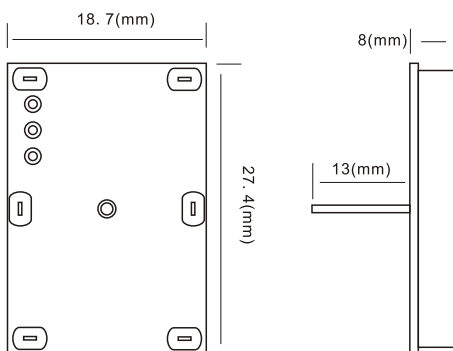


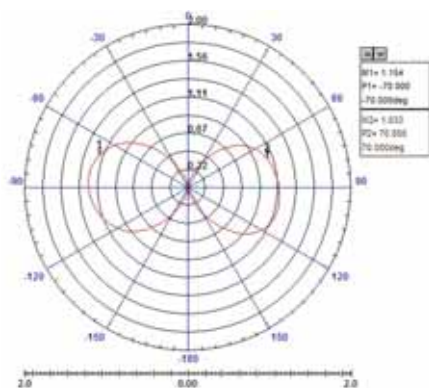
Microwave sensor 5.8GHz

Outline Drawing

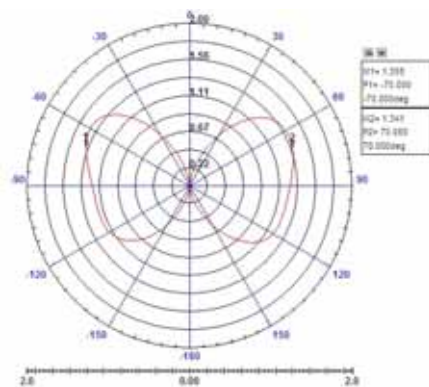


Outline Dimensions(mm)

Sensing range

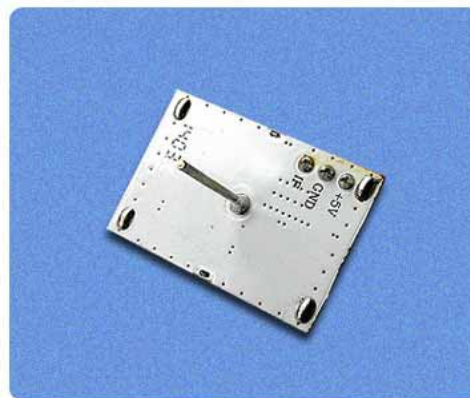


H-Plane



E-Plane

AL SKY580SH



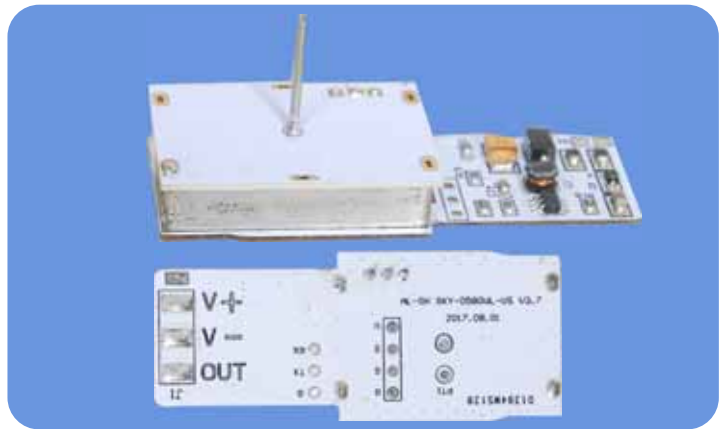
Paert Specifications

#	Item	Specification
Electrical Characteristics (at +25°C, +5VDC)		
1.	Operating Voltage	5.0±0.2V DC
2.	Operating Current	10 mA typ. 15mA max.
3.	Center Frequency	5753 ~ 5866 MHz
4.	Frequency Stability	±5 MHz max. (-30 to +55°C)
5.	Output Power	-10dBm typ
6.	Return Loss Sensitivity	-90dBc typ.
7.	Second Harmonic Emission	1 μW max.
8.	Antenna Gain	1.62dBi
9.	Antenna Beamwidth (-3dB) E-Plane H-Plane	180 deg. nom. 180 deg. nom.
10.	IF frequency	1~32Hz (Normal walking)
11.	IF Width	0~60mV
12.	Detection range	4~6m(Ceiling mounting)
Absolute Maximum Ratings		
1.	Operating Temperature Range	-30 to +55°C
2.	Storage Temperature Rang	-40 to +80°C
3.	Relative Humidity	95 % at 35°C
4.		
Regulation		
1.	Regulation for compliance	ETS 300 440

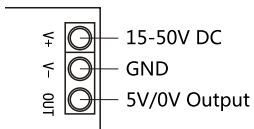
Module

Operate Voltage Current

Input Voltage	43V DC
Voltage Range	15-50V DC
Standby Cueurnt	< 10mA
Operate Current	< 10mA



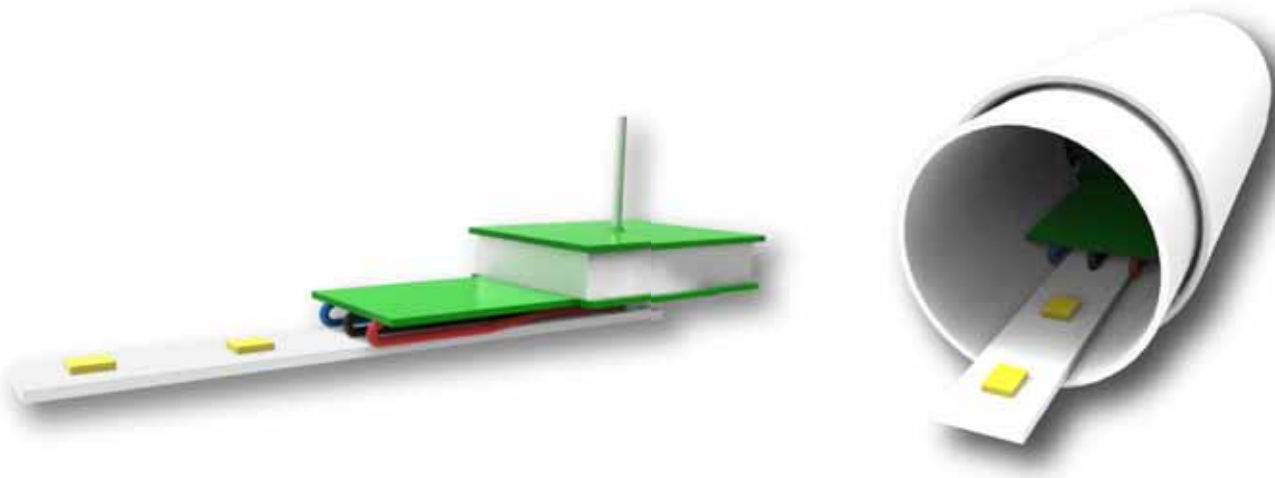
Pin Description



Function Description

1. Connect the sensor to DC15-50V, the sensor will warm up about 20 seconds, the OUT pin output 0V
2. If the sensor detects no movement in the detect range about 60 seconds, the OUT pin out 5V
3. If the sensor detects movement in the detect range, the OUT pinout 0V, If the sensor continued detects movement in the detect range, the OUT pin continued output 0V
4. After the sensor detects no movement about 60 seconds, the OUT pin output 5V

Typical application diagram



FCC Notice

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the device and receiver
- Connect the device into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/television technician for help

Conditions of Use

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.

Note

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the users authority to operate the equipment.

Caution

The Equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

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OEM integration instructions:

This device is intended only for OEM integrators under the following conditions:

The transmitter module may not be co-located with any other transmitter or antenna.

The module shall be only used with the integral antenna(s) that has been originally tested and certified with this module.

As long as 1 condition above is met, further transmitter test will not be required.

However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirement with this module installed

End product labeling:

The final end product must be labeled in a visible area with the following: "Contains Transmitter Module FCC ID: 2ANJCALSKY580SH or Contains FCC ID: 2ANJCALSKY580SH".