

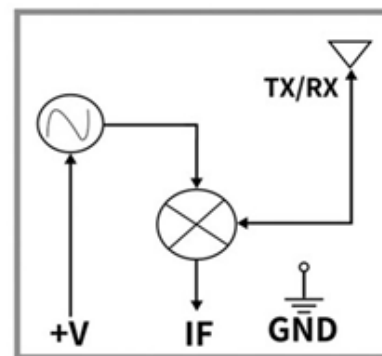
ECON SENSOR

高频率微波感应器M54L使用说明

Instructions for using the High-Frequency Microwave Sensor M54L

模块是紧凑的C波段双静态多普勒微波传感器，用于存在和运动检测。

The module is a compact C-band static Doppler microwave sensor used for presence and motion detection.

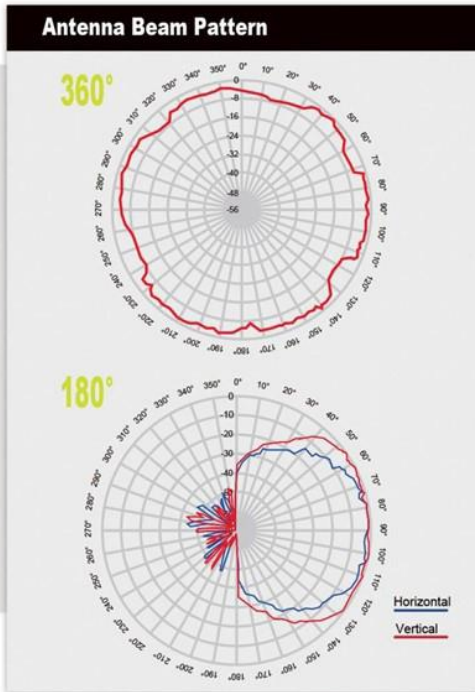


Frequency of 5.847GHZ sensor

It is an ideal choice for applications in automatic access, security, lighting control.

Features and Advantages:

- Low wireless power output
- Low power consumption
- Non-contact detection
- Easy to match external circuits
- High anti-interference ability
- Suitable for a variety of complex environments
- Low noise



测试报告
TEST REPORT

EN 300 440 - 1 V1.5.1 :

EN 300 440 - 2 V1.3.1 :

EN 50371 : 2002 :

天线波束方向图 Antenna beam pattern
Max Peak Gain: -0.3dBi

描述: Description

Technical Features and Experimental Methods.

Electromagnetic compatibility and radio frequency spectrum issues, shortwave equipment, radio devices applied to the frequency range of 1GHz to 40GHz.

SIZE:

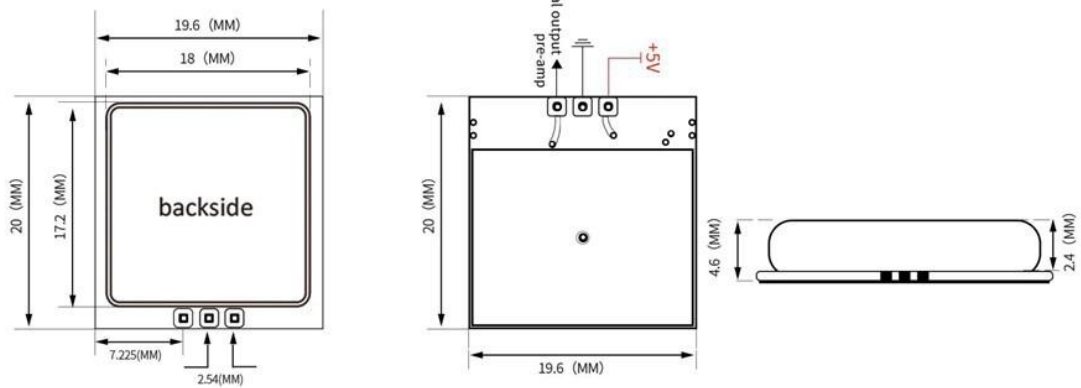


Diagram and connection

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	80	150	180	μVp-p
Noise	3	0.5		1.5	mVrms
Supply Voltage		4.75	5.00	5.25	VDC
Current Consumption		17	19	21	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		6.0	6.5	7.0	g

When detecting only one person, the filter bandwidth may be limited to 10-100 hertz in typical application diagrams.

