

Description:

HF radar sensor module utilizes the Doppler shift phenomenon to sense motion, which contains one transmitter and receiver. Using of the most popular 5.8 GHz ISM band and designed with high reliability.

Features:

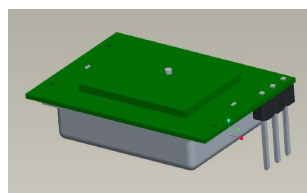
- ✧ Worldwide 5.8 GHz±75MHz ISM band.
- ✧ Compliance with R&TTE stipulation.

Technical Specification:

No.	Item	Value			Unit	Note
		Min.	Type	Max.		
General						
1	Operating Voltage	4.80	5.0	5.2	V	Voltage Ripple< 20 mV _{p-p}
2	Operating Current	13.75	14.75	15.75	mA	Continuous wave mode CW Mode
3	Frequency Range	5.725	5.8	5.875	GHz	
4	Antenna Type	Flat				
5	Dimension	18.6 x 14.3x 1.0			mm	L x W x H
6	Antenna gain	2			dBi	
Transmitter						
7	Transmitter power	≤ 0.3			mW	
8	EIRP output power	5			dBm	Effective Isotropic Radiated Power
9	Harmonic Emissions	Meet CE standard				
10	Beam aperture	360			°	
Receiver						
11	Noise	-20			+20	mV
Environmental Characteristics						
12	Operating Temperature	-20	+25	+70	°C	

PIN Description:

PIN	Name	Description
1	VCC	Supply Power
2	GND	Ground
3	IF	Output Doppler IF signal



Dimensions:

