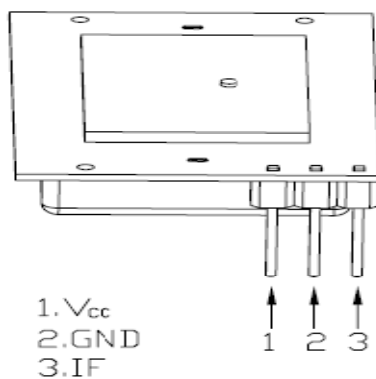


# Module specification

## 1. Technical date:

No.	Item	Value	Unit
1	Operating Voltage	5	V(DC)
2	Operating Current	$\leq 9$	mA
3	Frequency Range	$5.8G \pm 75M$	HZ
4	Frequency tolerance	$\pm 5M$ max. (-30~+55°C)	HZ
5	Antenna gain	5.42	dbi
6	second harmonic	$\leq 1$	uw
7	Microwave power	$\leq 1$	mw
8	Detection range(straight stretch)	$\geq 10$	m
9	Dimension	28 x 17 x 7.1	mm

## 2. PIN Description:



No.	Name	Description
1	VCC	Supply Power ( +5V DC )
2	GND	Ground
3	IF	Output signal

# Declaration

This equipment 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 equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment 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 equipment and the receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications to this equipment not expressly approved by Espressif may cause harmful interference and void the user's authority to operate this 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## OEM/Integrators Installations User Manual

Note: The module is limited to OEM installation ONLY; The OEM integrator is responsible for ensuring that the end-user has no manual instructions to remove or install module.

The module is limited to installation in mobile or fixed application.

The separate approval is required for all other operating configuration, including portable configuration with respect to Part 2.1093 and different antenna configuration.

This product is mounted inside of the end product only by professional installers OEM. They use this module with changing the power and control signal setting by software of end product within the scope of this application. End user can not change this setting.

The equipment complies with RF exposure limits. This module is limited to installation in mobile or fixed applications. The antenna used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

If the FCC identification number is not visible when the module is installed inside another device,

then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following:

“Contains Transmitter Module FCC ID: 2AN7F-HDM02 ”

when the module is installed inside another device, the user manual of this device must contain below warning statements;

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.