

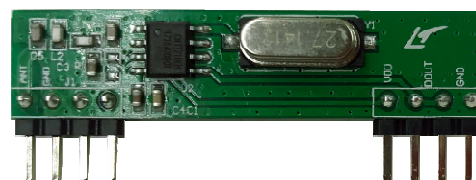
RFM210LH-D

315/433.92 OOK Wireless Receiver Module

Introduction

RFM210LH is an OOK wireless RF data Receiver Module with ultra low power consumption, high sensitivity, long distance communication, cost-effective, suitable for ISM band wireless applications.

It has the characteristics of good anti-interference and high reliability, and it has outstanding communication distance even in the complex radio environment. Users can easily realize the development of wireless products, only need add a simple data decoding circuit.



RFM210LH-D

Features

- Comply with FCC&ETSI
- Strong anti-interference ability, suitable for complex radio environments.
- Receiving Sensibility: -109dBm
- Working Frequency: 315MHz, 433.92MHz
- Supply Voltage Range: 3.0V-5.5V
- Working Current: 4.5mA
- Data Rate: 1.0-5kbps

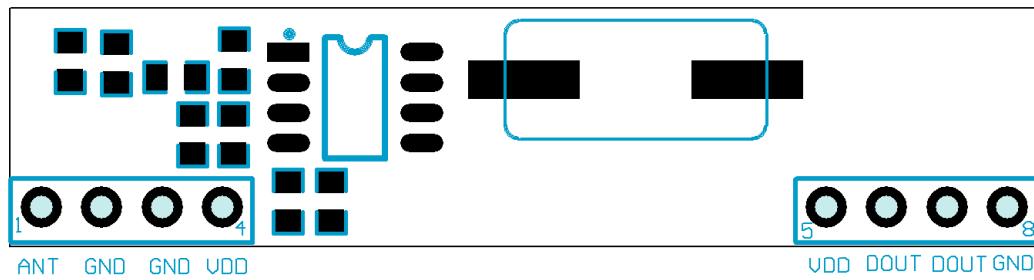
Application

- Remote Entrance Guard
- Battery Car Security System
- Remote Socket
- Remote Doorbell
- Wireless Data Transmission
- Wireless Lighting Control
- Remote Control Toys
- Remote Control Home Appliances
- Wireless Alarming & Security System

Order Information

Model NO.	Frequency
RFM210LH-D-315D	315MHz
RFM210LH-D-433D	433.92MHz

Pins Out



RFM210LH-D Pins Definition

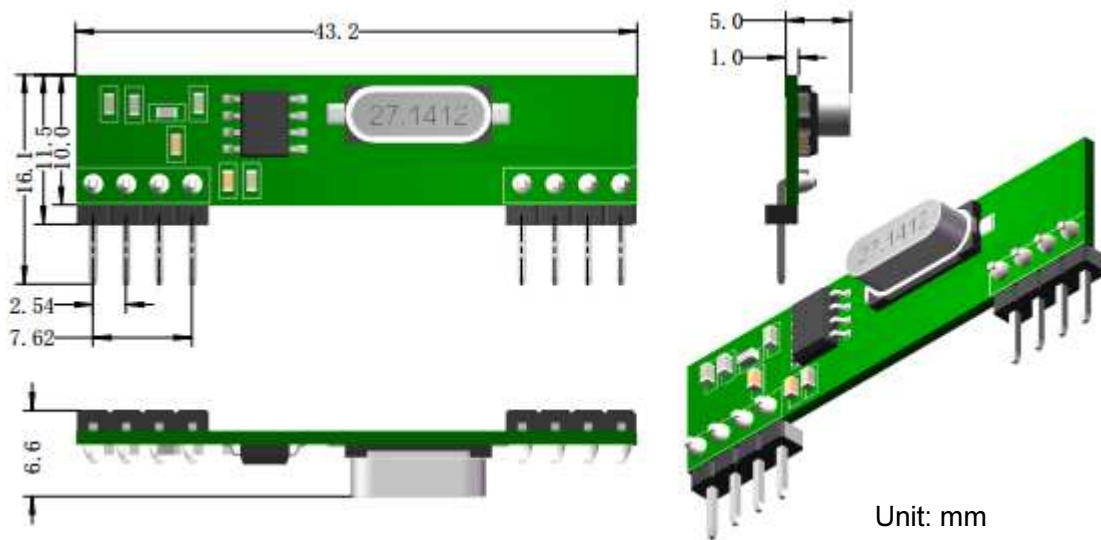
Pin	Name	Function
1	ANT	Antenna Input
2	GND	Ground
3	GND	Ground
4	VDD	Positive Power
5	VDD	Positive Power
6	DOUT	Data Out
7	DOUT	Data Out
8	GND	Ground

Electrical Specifications

(Testing Conditions: Vdd=5.0V/ 25℃)

Parameter	Label	Status	Min	Typical	Max.	Unit
Frequency Range	Fc	RFM210LH-D-315D		315		MHz
		RFM210LH-D-433D		433.92		MHz
Modulation	MOD		OOK			
Sensibility	S	315MHz 3Kbps		-109		dBm
	S	433.92MHz 3Kbps		-109		dBm
Data Rate	DR		1.0		5	Kbps
Receiver Bandwidth	BW ₃₁₅			240		KHz
	BW _{433.92}			330		KHz
Supply Voltage	V _{DD}		3.0		5.5	V
Working Current	I _{OP}	315MHZ		4.2		mA
Sleeping Current		433.92MHZ		4.5		mA
Working Temperature	T _{OP}		-40		+85	℃

Dimensions



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