

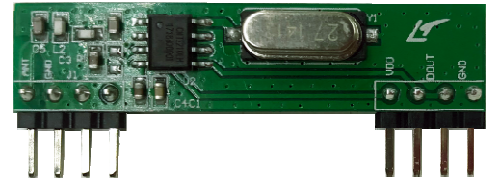
RFM210LH-D

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

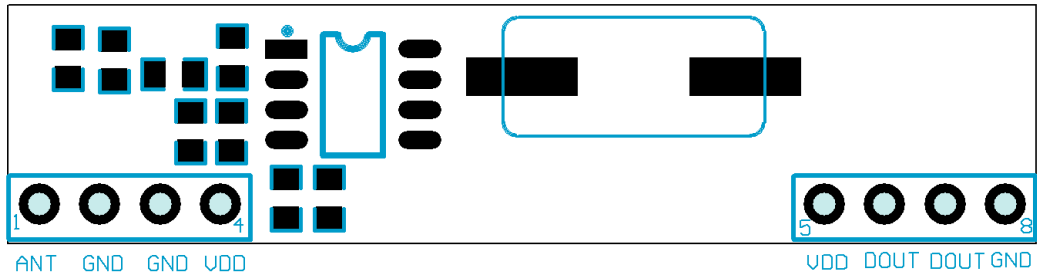
Application

- 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

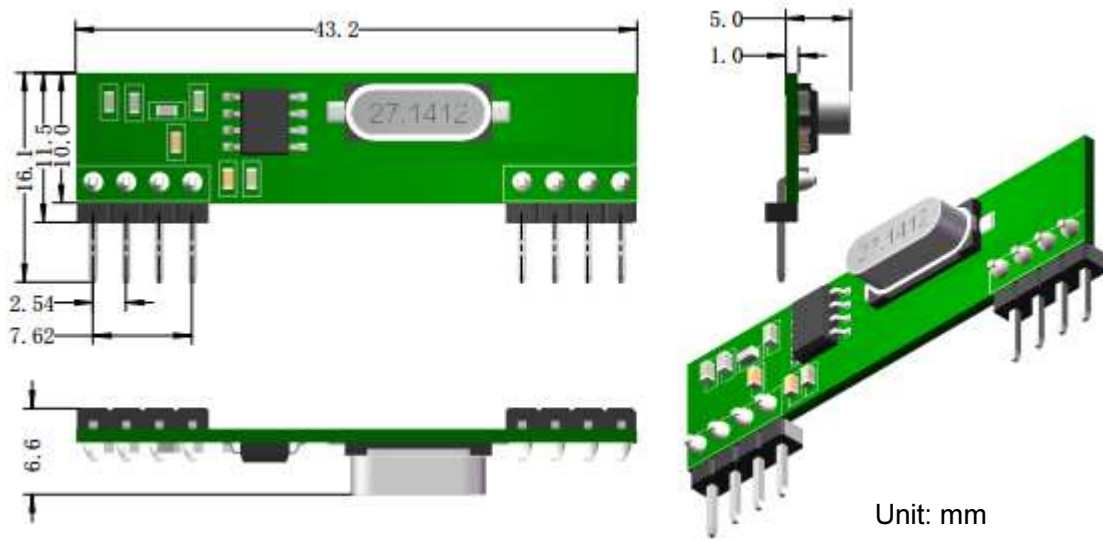
Pin	Name	Function
1	ANT	Antenna Input
2	GND	Ground
3	GND	Ground
4	VDD	Positive Power
5	VDD	Positive Power
6	DOUT	Data Out
7	DOUT	Data Out
8	GND	Ground

Electrical Specifications

(Testing Conditions: Vdd=5.0V/ 25°C)

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	°C

Dimensions



<p>HOPEMICROELECTRONICS CO.,LTD Add:2/F,Building3,pingshan Private Enterprise science and Technology Park,xili Town,Nanshan District, Tel: 86-755-82973805 Fax: 86-755-82973550 Email: sales@hoperf.com Website: http://www.hoperf.com http://www.hoperf.cn</p>	<p>This document may contain preliminary information and is subject to change by Hope Microelectronics without notice. Hope Microelectronics assumes no responsibility or liability for any use of the information contained herein. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of Hope Microelectronics or third parties. The products described in this document are not intended for use in implantation or other direct life support applications where malfunction may result in the direct physical harm or injury to persons. NO WARRANTIES OF ANY KIND, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE OFFERED IN THIS DOCUMENT.</p> <p>©2018,HOPEMICROELECTRONICSCO.,LTD.Allrightsreserved.</p>
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