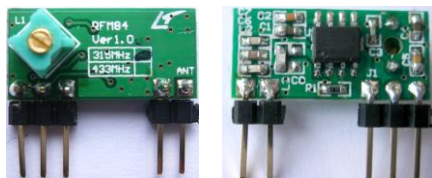


## 1. General

RFM84 series module is based on the super-regenerative principle of ASK / OOK receiver module, with operating at 315/433.92MHz. It is Customizable for special operation frequency. It features high reliability, low power consumption, high sensitivity, low cost, high performance. It is your ideal choice for designing wireless data transmission products which can be widely used on wireless data transmission field.

## 2. Features

- Low cost, high performance
- Data rate range is 0.1-10KHz
- Power Supply =5V
- Operating Current =4.0mA
- Sensitivity = -95dBm
- ISM Frequency band
- ASK/OOK receive modulation
- Operation frequency 315MHz,433.92MHz
- DIP Package

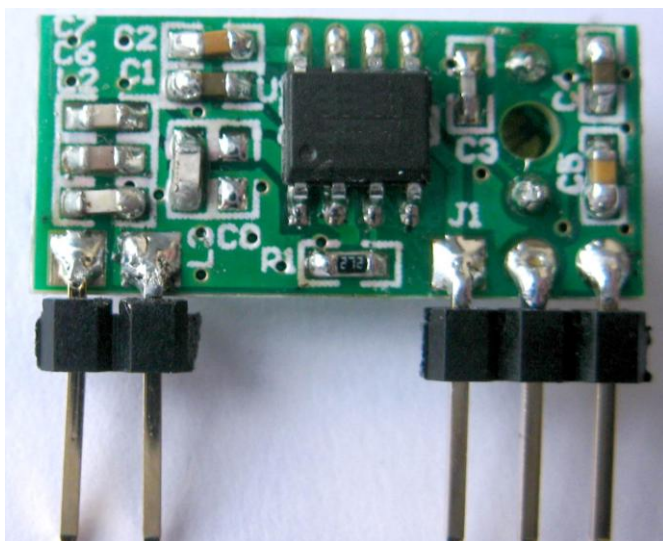


## 3. Application

- Wireless data transmission
- Household automatization
- Remote system for alarm

**RFM84**

## 4. Pin Description



1 2 3 4 5

PIN	Name	Define
1	RF IN	RF signal input
2	GND	Ground, connect to GND
3	VCC	Power supply , connect to Vcc+
4	DATA	Data output
5	GND	Ground, connect to GND

## 5. Parameter

Parameter	Condition	Min	Typical	Max	Unit
Power supply (VCC)	DC	3	5	5.5	V
Current	5V, 315MHZ		4	5	mA
	5V, 433.92MHZ		4	5	mA
Operation frequency	RFM84-315	314.85	315	315.15	MHz
	RFM84-433.92	433.77	433.92	434.07	MHz
Sensitivity	@315MHz Rate=1.2Kbps		-95		dBm
	@434MHz Rate=1.2Kbps		-95		dBm
Bandwidth			300		KHz
Modulate data rate		0.1		10	KHz
Operate temperature		-40		+85	°C

## 6. Mechanical Dimension (unit: mm)

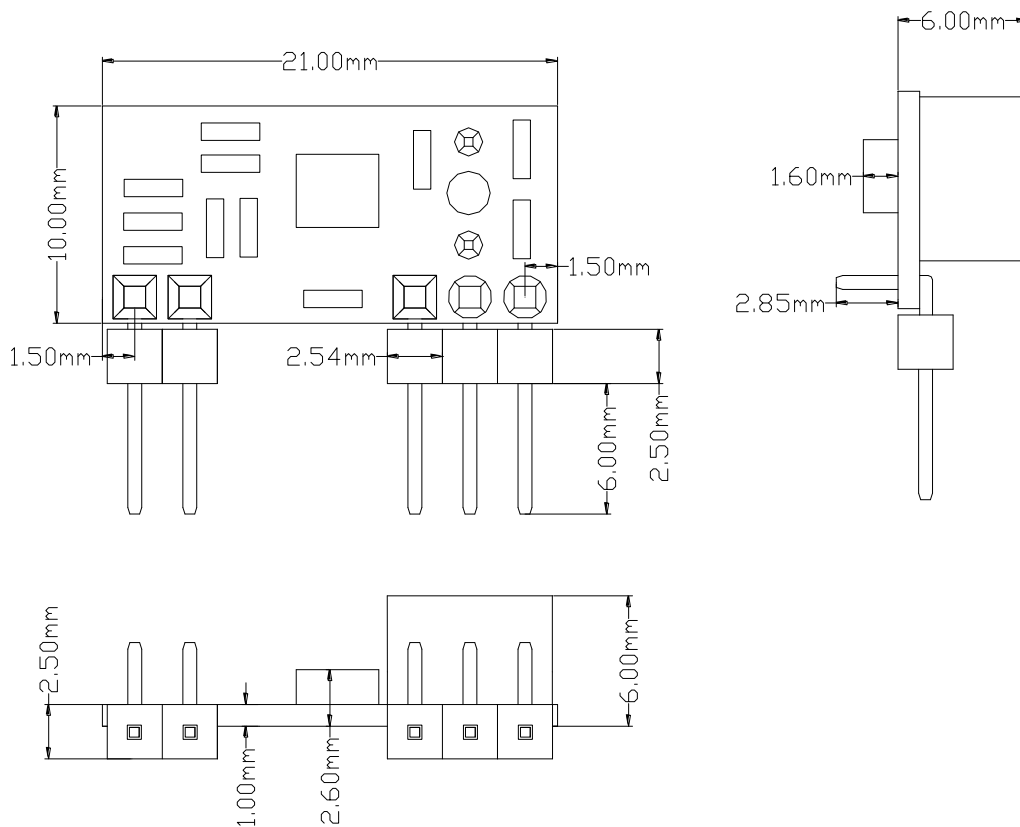
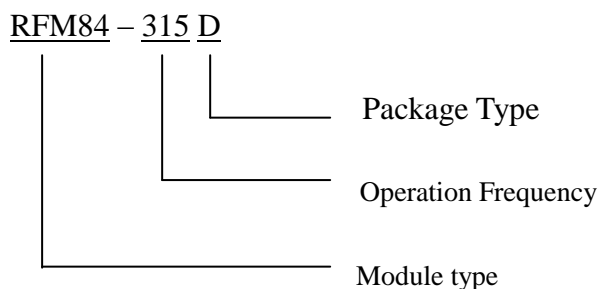


Figure 1: RFM84 mechanical dimension

## 7. Ordering Information

Part Number=Module type + Operation Frequency+ Package Type



For example:

1. RFM84-315D: ASK Receiver Module, Operation Frequency is 315MHz, Package Type is DIP.
2. RFM84-433D: ASK Receiver Module, Operation Frequency is 433.92MHz ,Package Type is DIP.

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