

(images/product/317020002 1.jpg)

## 315MHz ASK/OOK Super-heterodyne Receiver module

SKU: 317020002



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([https://www.kickstarter.com/projects/seeed/wio-link-3-steps-5-minutes-build-your-iot-applicat/description?ref=banner\\_depot](https://www.kickstarter.com/projects/seeed/wio-link-3-steps-5-minutes-build-your-iot-applicat/description?ref=banner_depot))

## Description

F-R-ASK series module are low cost super-heterodyne receiver module working at frequency 315Mhz. The operating voltage is 3.6V-5.5V. Enable(SHUT)function, which enable module to switch between work status and sleep status, other shape modules don't have this function. This module features stable RF performance, low power consumption, high sensibility, cost-effective, widely applied in various types of data transmission system.

### Features:

- Low cost, low power consumption, Cos
- Transmission Data Rate: 0.3-2.5KHz
- The operating voltage: 3.6V-5.5V
- The operating current: 3mA @ 315MHz
- Sleep current:  $\sim 0.9\mu\text{A}$
- Sensibility:-108dBm
- The operating frequency:315MHZ
- SMD and DIP Package
- Applications
- Wireless data transmission
- Home Automation
- Remote Alarm System

### Specification:

## Electrical Characteristics

Parameter	Condition	Min.	Typical	Max.	Unit
Operating Voltage(DC)	RF-R-ASK	3.6	5	5.5	V
Operating Current	RF-R-ASK /5V/315MHz		3	4	mA
	RF-R-ASK /5V/433.92MHz		5	6	mA
Sleep current			3		uA
Operating Frequency	RF-R-ASK -315		315		MHz
	RF-R-ASK -433		433.92		MHz
Sensitivity	315MHz Date Rate 1K		-108		dBm
	433.92MHz Date Rate 1K		-108		dBm
Receive bandwidth			300		KHz
Data rate		0.3		2.5	KHz
Operating temperature		-20		+70	V

Mechanical dimension (unit: mm)

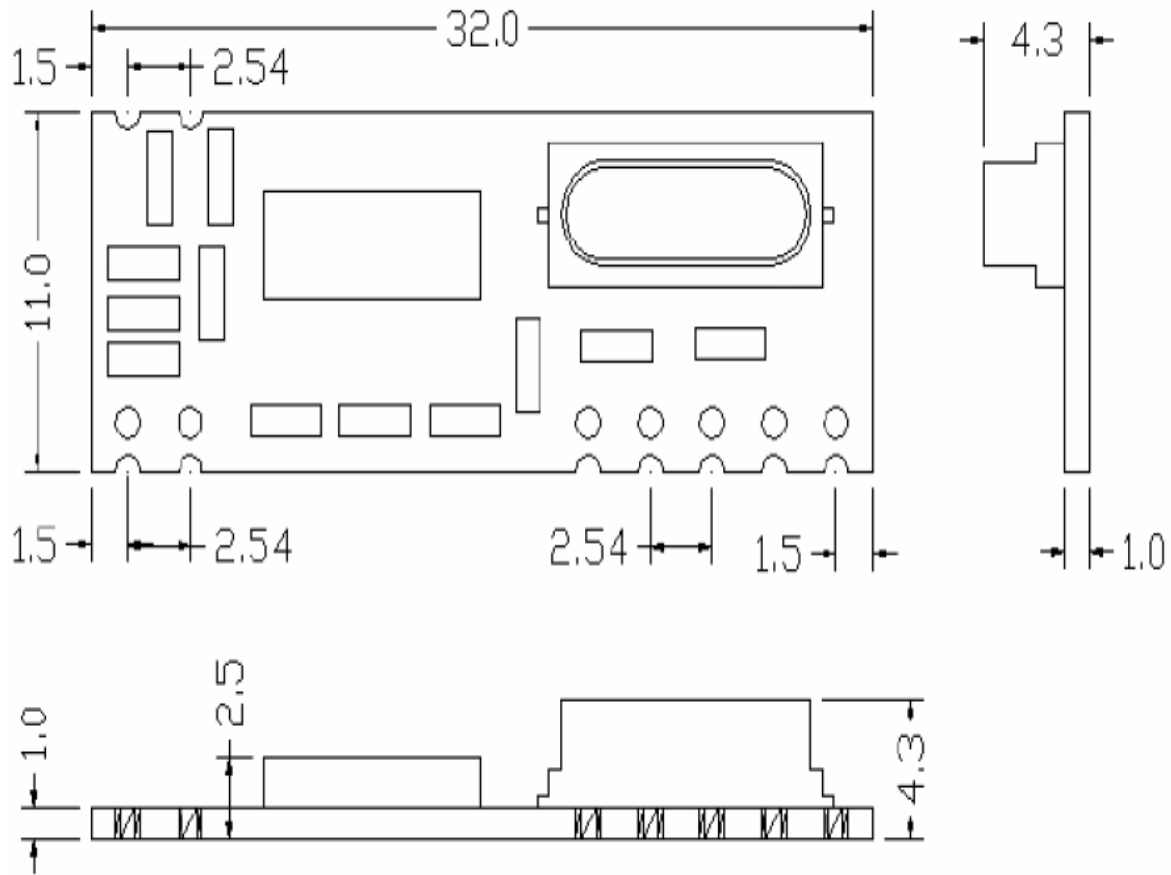


Figure 1 Standard Shape SMD

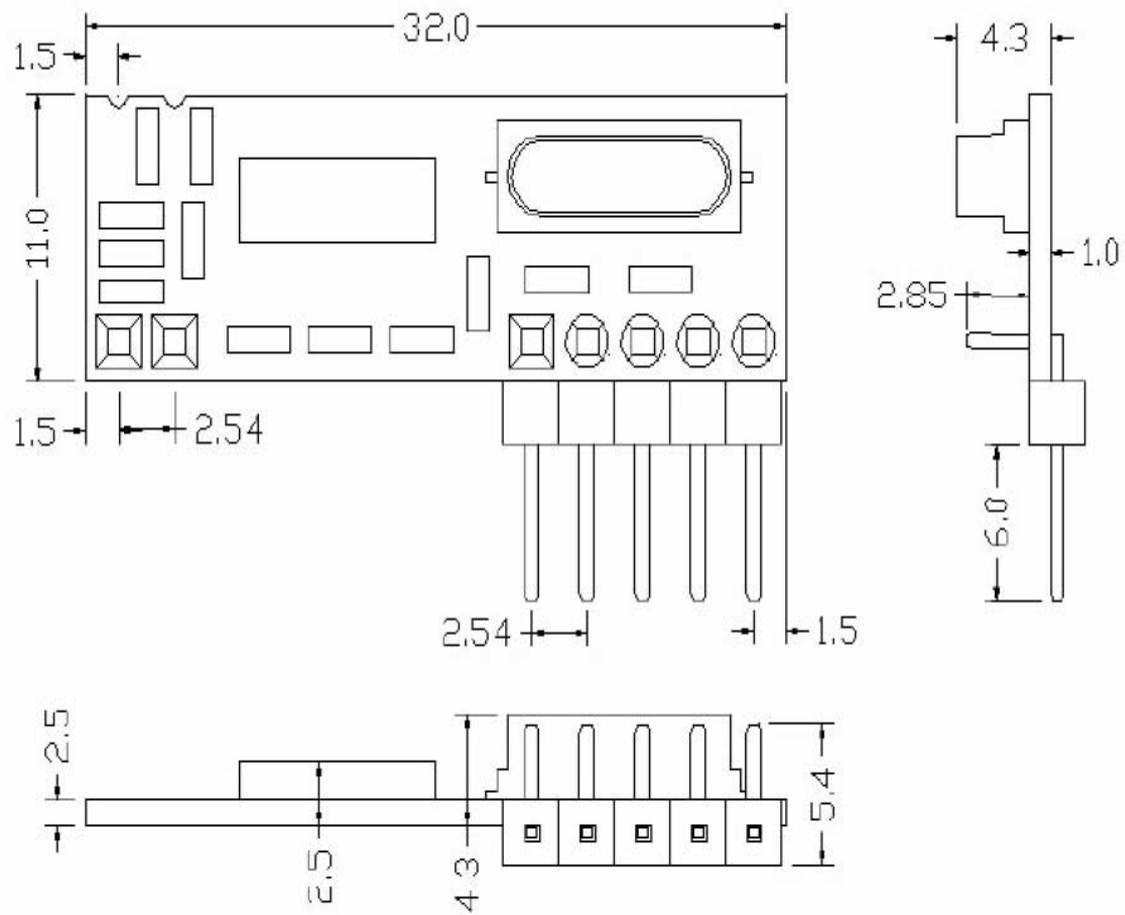


Figure 2 Standard Shape DIP

## Overview



(<http://www.seedstudio.com/depot/Shenzhen-2U-t-11.html?ref=pinfo>)

Designer:  
Others  
Other  
Products

From This Designer (<http://www.seedstudio.com/depot/Others-m-24.html?ref=pinfo>)

Weight: 4 g