

## **SRX882 Superheterodyne Receiver**

### 1. Description

SRX882 is a low cost superheterodyne receiver module with low current consumption. It works well with our ASK transmitter STX882. It complies with the certification of ROHS, FCC, ETSI and CE. The module is easy to use and can be connected to the microcontroller directly.



#### 2. Features

- Frequency Range: 433/315 MHZ
- Superheterodyne modulation
- High sensitivity
- Long distance working with STX882
- 3. Application
- Wireless door bell
- Wireless security alarm
- Wireless industrial control

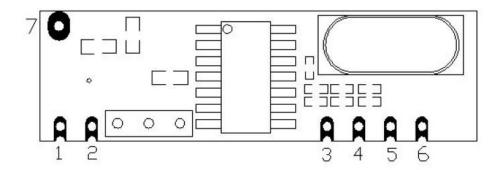
- Standby mode current < 1uA</li>
- Comply with ROHS, FCC, ETSI,CE
- Small size
- High stability in varies environment
- Wireless data transmission
- Home automation

# 4. Electronic Specification

Parameter	Min	TP	Max	Unit	Condition		
Operation conditions							
Supply Voltage	2.4	5	5.5	V			
rating Temperature Ra	-30		85	$^{\circ}$			
Latency			20	ms	@315MHZ		
			9	ms	@433@HZ		
Current consumption							
Consuming current		2.5		mA	@315MHZ		
		2.8		mA	@433MHZ		
		<2		uA	@CS=1 Or vacant		
RF parameters							
Frequency Range	433.82	433.92	434.02	MHZ	@433MHZ		
	314.9	315	315.1	MHZ	@315MHZ		
Sensitivity		-110	-107	dBm	@1.2Kbps		
Air rate	0.1		9.6	kbps			
Receiver bandwidth		200		KHz			



### 5. Pin definition



Pin Number	Pin Definitions	Description		
1	ANT	Connect with 50 ohm coaxial antenna		
2	GND	Connected to power ground		
3	VCC	Positive power supply		
4	CS	1: Normal working 0: Sleep mode		
5	DATA	Data output		
6	GND	Connected to power ground		
7	ANT	Connect with 50 ohm coaxial antenna		

Pin 1 and Pin 7 has the same function, user can choose either of them to use.

### 6. Machanism Dimension

