SRX882 Low Consumption Strong Driving Force Super Heterodyne Receiver Module

Description

SRX882 is a micro power strong driving force super heterodyne receiver module. It is can support our transmitter module STX882/STX888. It is with high stability, anti-interference and high cost-effective, but also with a powerful driving force, can be certified by ROHS, FCC, CE, The module can be connected to the microcontroller directly. So it is more convenient for user developing wireless products

一、 Features

- Frequency Range: 433/315 MHZ
- ASK /OOK modulation mode
- Super anti-power interference
- Low-power sleep less than 1uA
- Low self radiation
- Small size
- Frequency stability and reliability
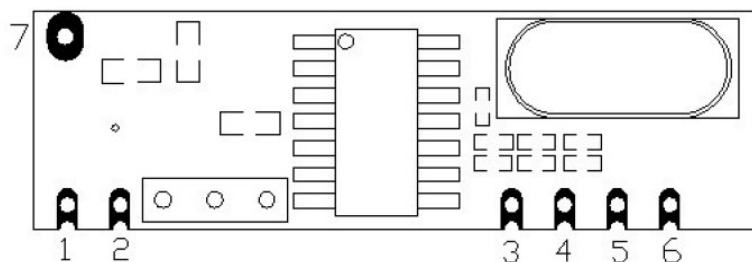- Various international testing standards

二、 Application

- Remote door
- Wireless security alarm
- Wireless industrial control
- Wireless data transmission

三、 Electronic Specification

Parameter	Min	TP	Max	Unit	Condition
Operation conditions					
Supply Voltage	2.4	5	5.5	V	
Operating Temperature Range	-30		85	℃	
Latency			20	ms	@315MHZ
			9	ms	@433@HZ
Current consumption					
Consuming current		2.5		mA	@315MHZ
		2.8		mA	@433MHZ
		＜2		uA	@CS=0

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	

四、 Pin definition

Pin Number	Pin Definitions	Description
1	ANT	Matching 50 ohm antenna
2	GND	Connected to power ground
3	VCC	Positive power supply
4	CS	High level to enable the module, low level to enter sleep mode
5	DATA	Data output pin
6	GND	Connected to power ground
7	ANT	Matching 50 ohm antenna

五、 Mechanical Size