



ASK Superheterodyne Receiver Module

ST-RX04-ASK Receiver

315/434 MHz ASK RECEIVER

General Description:

The ST- RX04-ASK is an ASK superhet receiver module with PLL synthesizer and crystal oscillator.

The circuit shape is PLL.

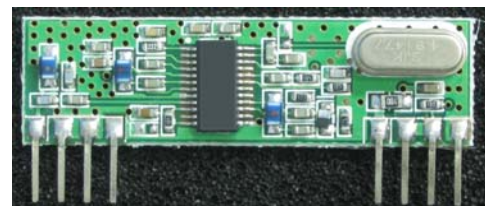
Receiver Frequency: 315 / 433.92 MHZ

Operation Voltage: 5V

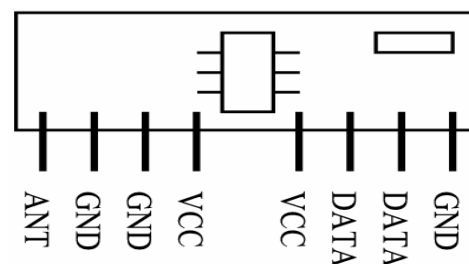
IF Frequency: 500k

Typical sensitivity: -105dBm

Supply Current: 2.3mA



Pin Description:



Features

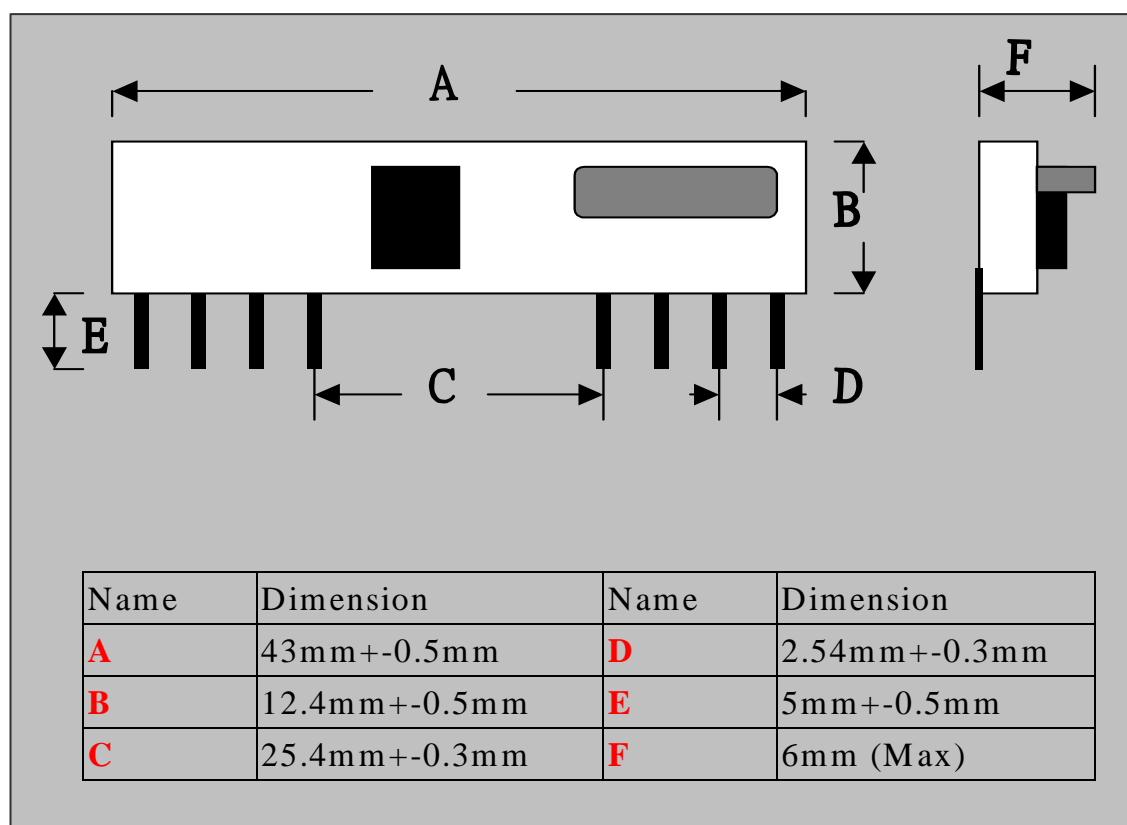
- Low power consumption.
- Easy for application.
- On-Chip VCO with integrated PLL using crystal oscillator reference.
- Integrated IF and data filters.
- Operation temperature range : - 40°C ~ +80°C
- Operation voltage : 5 Volts.
- Available frequency at : 315/434 MHz

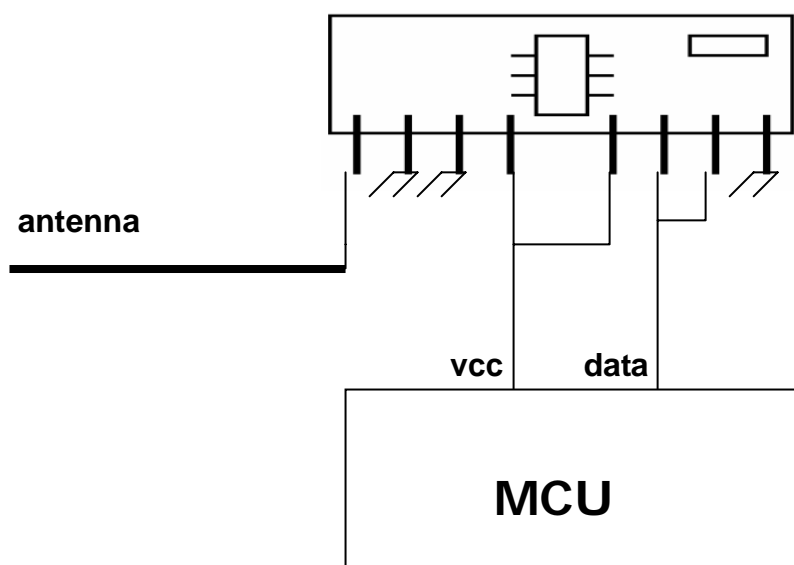
Applications:

- Car security system
- Wireless security systems
- Sensor reporting
- Automation system
- Remote Keyless entry

Electrical Characteristics :

CHARACTERISTIC		MIN	TYP	MAX	UNIT
V _{CC}	Supply Voltage		5		VDC
I _S	Supply Current		2.3	3	mA
F _R	Receiver Frequency		315/434		MHz
RF Sensitivity(V _{CC} =5V 1Kbps Data Rate)			-105		dBm
Max Data Rate		0.3	1	3	Kbit/s
V _{OH}	High Level Output (I=30uA)	0.7V _{CC}			VDC
V _{OL}	Low Level Output (I=30uA)			0.3V _{CC}	VDC
Turn On Time(V _{CC} off-Turn on)		25	30		ms
T _{OP}	Operating Temperature Range	-40		80	℃
Output Duty		40		60	%

Mechanical Dimension:

Typical Application:**Remark:**

1. Antenna length about : 23cm for 315 MHz
17cm for 434 MHz