

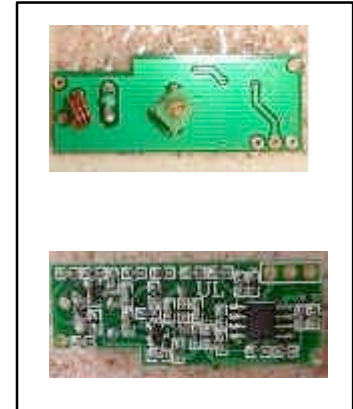
SUPER-REGENERATION RECEIVER MODULE

315/434 MHz ASK RECEIVER

Description

ST -RXLC-A is an ASK receiver module. The ST -RXLC -A is based on a single-conversion ,super-regeneration receiver architecture. It can use in OOK/HCS / PWM modulation signal and demodulate to digital signal. MO-RXLC -A had a high performance and easily to design your product.

It can be used on wireless security system or specific remote-control function and others wireless system

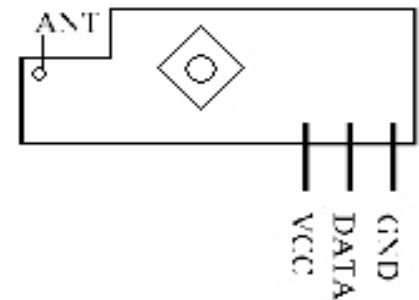


Features

- | Low power consumption.
- | Easy for application.
- | Operation temperature range: -20°C ~ + 80°C
- | Available Volts. Operation voltage : 5 / 3 Volts.
- | Available frequency at : 315/434 MHz

Applications

- | Car security system
- | Remote keyless entry
- | Garage door controller
- | Home security
- | Wireless mouse
- | Automation system
- | Wireless temp/humidity weather station clock



Product Identification

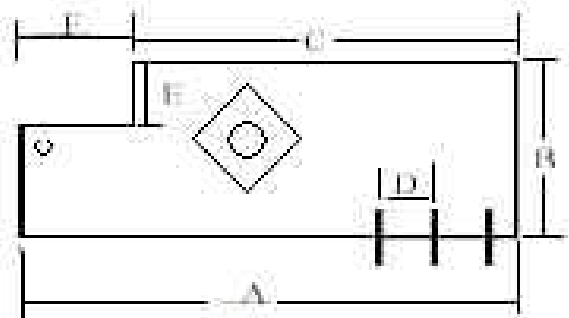
15MHz	ST -RXLC -AS315M
3.92MHz	ST -RXLC -AS434M

Parameter	Rating	Units
Supply Voltage	5.0	V DC
Operating Temperature	-20~+80	°C

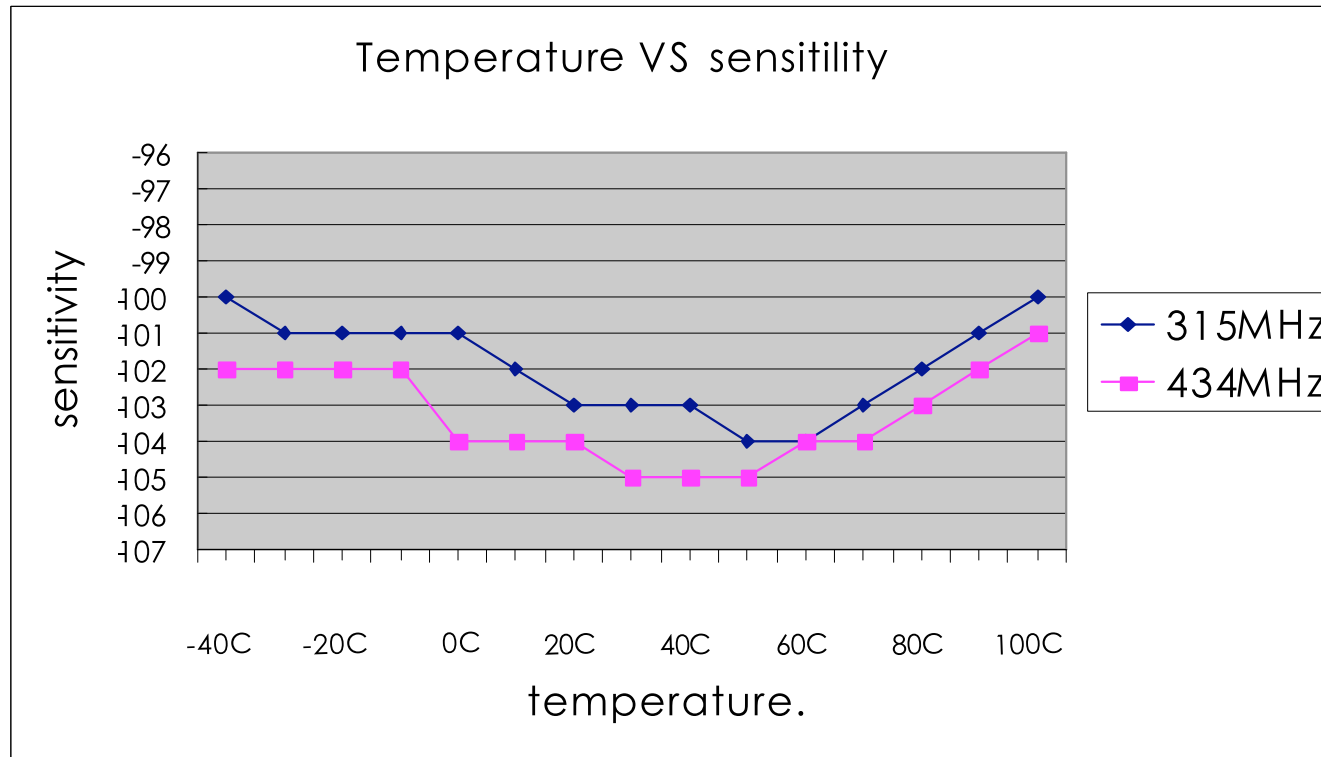
Absolute Maximum Ratings

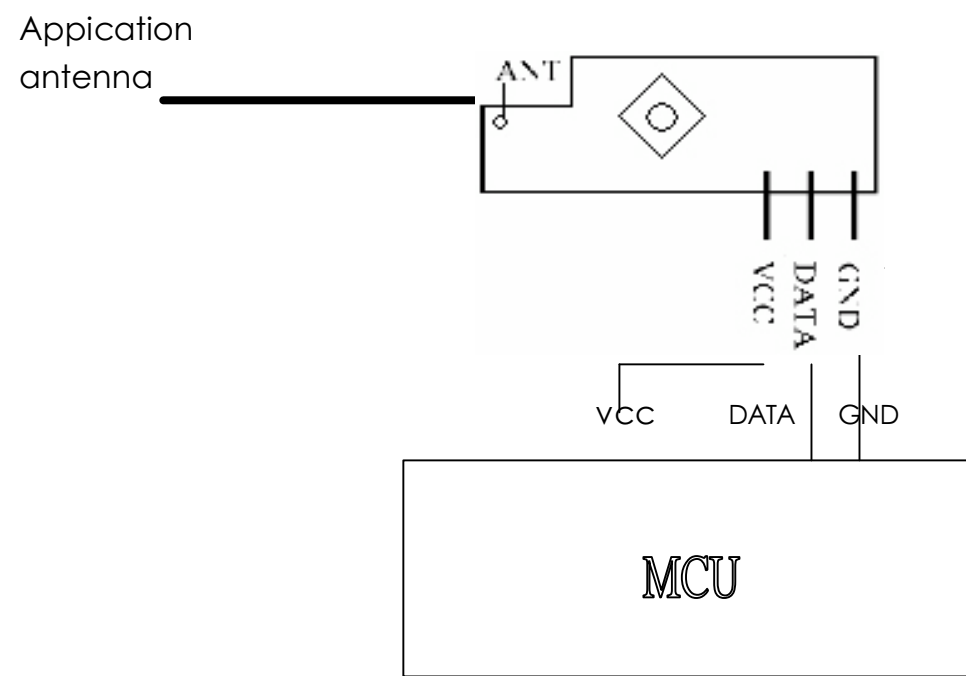
Parameter	Symbol	Condition	Specification			Unit
			Min.	Typical	Max.	
Operation Voltage			3.5	5	5.5	V
Sensitivity	Psens	Vcc=5.0V, 315MHz		-104	--101	dBm
		1Kbps Data Rate 434MHz		--104	--101	dBm
ASK out logic HIGH	VOH	Iload = 30 A	0.7*Vcc			V DC
ASK out logic LOW	VOL	Iload = 30 A			0.3*vcc	V DC
Supply current	Icc			3.5	4.5	mA
Tune on Time	Ton	Data start out by Vcc turn on		25		ms
Data Rate			300	1k	6k	bps
Output duty		Vcc=5V; 1kbps data rate	40		60	%

Pin Dimension



Dimensions	Millimeters	Dimensions	Millimeters
A	36.0 ± 0.25mm	F	12.0 ± 0.15mm
B	13.9 ± 0.25mm	G	5.30 ± (MAX)
C	23.9 ± 0.30mm	H	2.54 ± (MAX)





Antenna length about :23cm for 315MHz
17cm for 434mHz