

RoHS

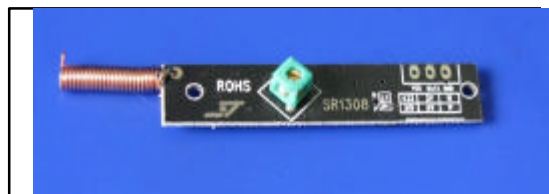
SUPER-REGENERATION RECEIVER MODULE

315/434 MHz ASK RECEIVER

Description

SDL8072 is an ASK receiver module. The SDL8072 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.
- Long receiver range. Up to 200M.
- Easy for application.
- Operation temperature range : ? 20 ~ + 80
- Available Operation voltage : 5 Volts./ 3Volts.
- 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
- Door bell

Product Identification

315MHz	SDL8072-BS315M
433.92MHz	SDL8072-BS434M

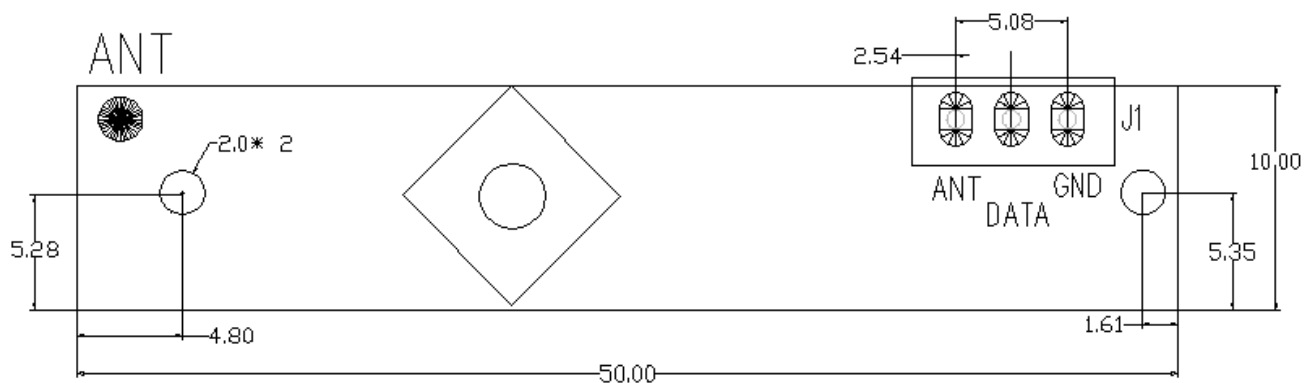
Absolute Maximum Ratings

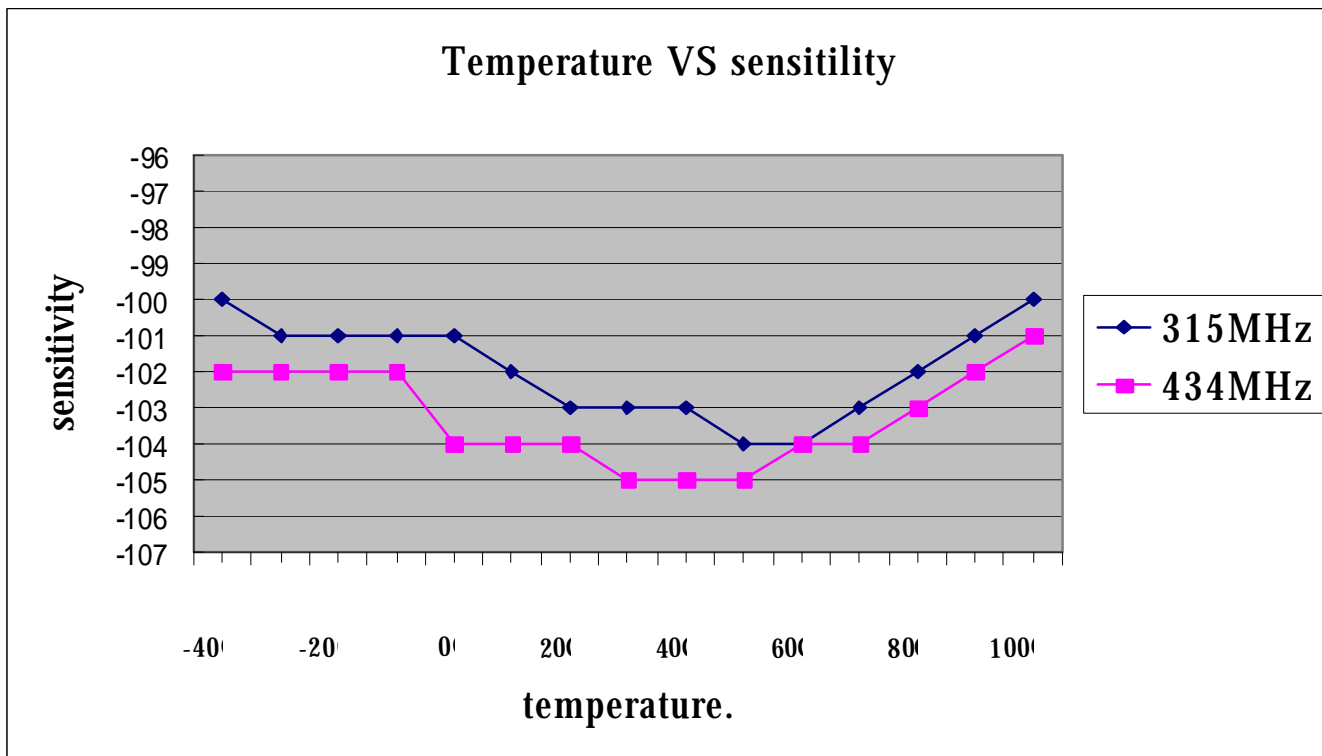
Parameter	Rating	Units
Supply Voltage	3.0	V DC
Operating Temperature	-20~+80	

Absolute Maximum Ratings

Parameter	Symbol	Condition	Specification			Unit
			Min.	Typical	Max.	
Operation Voltage			2.6	3	3.6	V
Sensitivity	Psens	Vcc=3.0V, 1Kbps Data Rate	315MHz	-98	--102	dBm
			434MHz	--98	--102	dBm
ASK out logic HIGH	VOH	Iload = 30μA	0.7*V _c c			V DC
ASK out logic LOW	VOL	Iload = 30μA			0.3*vcc	V DC
Supply current	Icc			1.0	2.0	mA
Tune on Time	Ton	Data start out by Vcc turn on		25		ms
Data Rate			300	1k	6k	bps
Output duty		Vcc=3V; 1kbps data rate	40		60	%

Pin Dimension(unit:mm)





Appication

antenna

Mark:

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