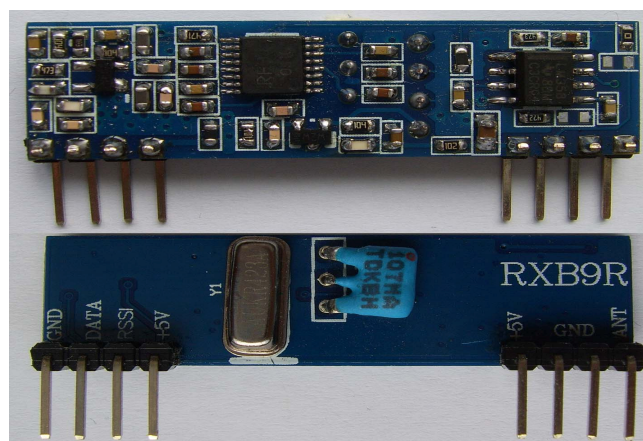


Type: Super Heterodyne Receiver Module

Model: RXB9R

Features:

- Compact hybrid modules
- Single conversion AM superhet receiver
- 10.7 MHz high rejection IF filter
- Receiving rang up to 300 meters.
- CMOS/TTL compatible output.
- Single supply voltage 5V
- Higher receiver sensitivity down to -114dBm
- LO based on the SAW
- Excellent ability of noise immunity against interfering source
- A high degree of suppress assemble or scatter radiation
- Can easy pass all kinds of certification
- RSSI output



Description:

RXB9R is a high quality super-heterodyne receiver module with VHF/UHF. The module is based upon markets' feedback and a lot of customers' advice. Its shocked in the electronic products market. The module adopting LSI circuit with high frequency and low noise which is imported from famous company of Europe. It has strong anti-static protection, high reliability and competitive price. Its widely used in remote GDO(garage door opener), auto-gates as retract type, brakes, GSM/GPS system, factory automatic, communication and security system etc.

APPLICATION:

- Garage door and gate openers
- Remote controls
- Remote fan and light control
- Smart home system
- Alarm and security system

Parameters:**Absolute Maximum Rating**

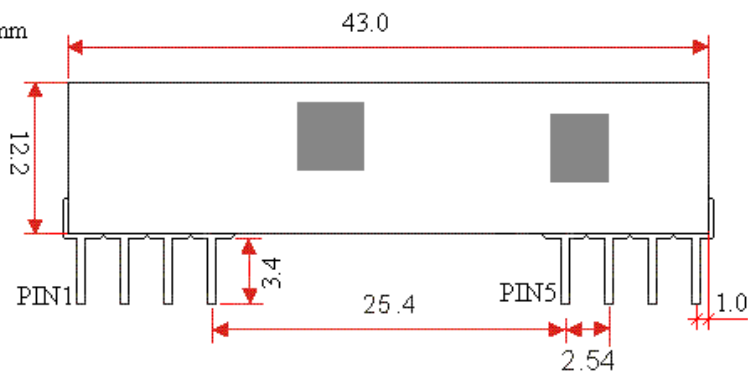
SYMBOL	PARAMETER	CONDITION	UNIT	RATING
vcc	Supply voltage		V	-0.3~6.5
Topr	Operating temperature		°C	-20~+85
Tstg	Storage temperature		°C	-60~+125

Electrical Parameters:

PARAMETERS	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Carrier Frequency	Fc		250	315/433.92	450	MHz
Modulation			ASK/OOK			
Sensitivity		50 ohm antenna 10 ⁻³ BER, 1kbps		-114		dBm
Max Input Power		Input to ant. directly		-10	0	dBm
Power Consumption		In Working Mode			11	mA
Receive Bandwidth			+/-120	+/-180		kHz
Start-upTime	Ton				10	ms
Output high level			4.5			V
Output low level					0.5	V

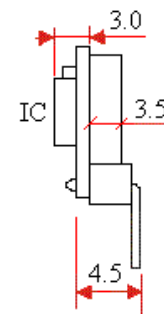
Mechanical size:

Unit: mm



Front View

□ pins:0.62x0.62 PCB:1.20



Side View

Pin-output

PIN	1	2	3	4	5	6	7	8
NAME	ANT	GND	GND	VCC	VCC	RSSI	DATA	DGND
Description	RF Input	RF GND	RF GND	Power Supply V+	Power Supply V+	RSSI Output	Digital DATA	Power Supply GND