# RX9926

RF Receiver Module with Decoder

- Superheterodyne
- SAW resonator based design
- High sensitivity

Application

1) Low baud rates digital signal link
2) Industrial remote control, remote monitoring & sensing
3) Wireless security alarm receiver and remote control for household electrical appliances.

Technical Specifications

Operating voltage	5.0 VDC ± 0.5V
Operating current	<= 5 mA (Vs=5.0 V DC)
Receiver config.	Superheterodyne
Modulation	OOK, ASK
RF Frequency	315 MHz or 433.92 MHz
Channel width	2MHz (315MHz @ 3 dBm rolloff)
Sensitivity	> -100 dBm (50)
Data transmission rate	< 9.6 Kbps (315MHz, -95 dBm)
On board decoder IC	**PT-2272-L4** or compatible chip **(8-bit trinary address, 4-bit binary data)**
Output	TTL compatible
Antenna length	24 cm (315MHz), 18 cm (433.92 MHz)
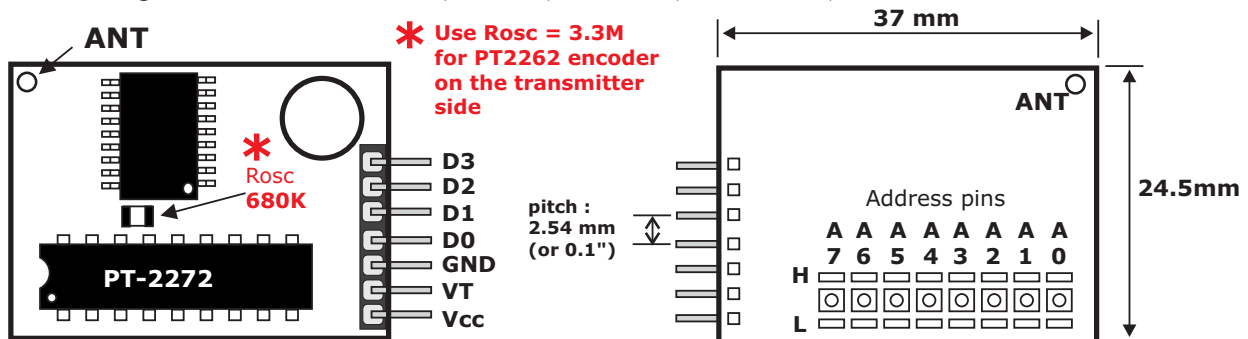
Each address pin can assume one of the 3 possible logic states.
i.e. : logic high (H), logic low (L) or floating (no connection)
The module is supplied with all the address pins open.

IMPORTANT NOTES

1) **Antenna :** Use any soft/hard wire with the specified length. If a telescopic antenna is used, be sure that it is fully extended.   Length of antenna is important and frequency dependent (refer to the specs above for the correct length)

2) Supply voltage should be stable & with low ripple.

3) Note that output waveform may become distorted if the transmitter is too close to the receiver (» a few cm). This is inherent to superheterodyne receivers and is considered as normal