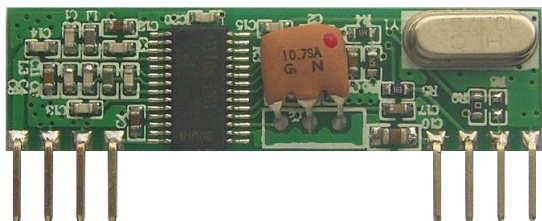


**Product Pin Description**

| Pin | Name | Function Explanation     |
|-----|------|--------------------------|
| 1   | ANT  | Antenna Input            |
| 2   | GND  | Power Ground             |
| 3   | GND  | Power Ground             |
| 4   | VDD  | Positive Power Supply    |
| 5   | VDD  | Power Ground             |
| 6   | DATA | Data Output              |
| 7   | SHUT | Enable Power Saving Mode |
| 8   | GND  | Power Ground             |

### Electrical parameters:

Under the testing conditions as follows:

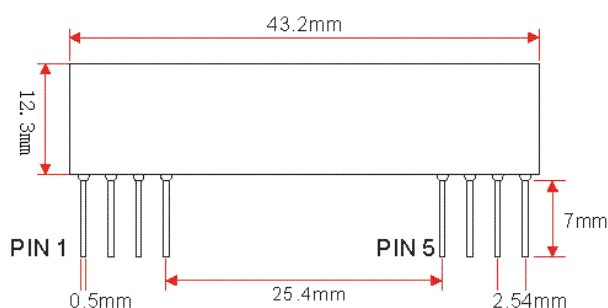
5V power supply- temperature is 25 °C– frequency of 315MHz

| Parameters                      | Symbol | Status                                 | Reference Value |          |         | Unit |
|---------------------------------|--------|--|-----------------|----------|---------|------|
|                                 |        |  | Minimum         | Standard | Maximum |      |
| Working Frequency               | Fc     |  | 314.90          | 315.00   | 315.10  | MHz  |
| Modulation                      |        |  | ASK             |          |         |      |
| Receiver Sentivity              |        | 50 ohm antenna input directly /1K Kbps |                 | -110     |         | dBm  |
| Receiving Bandwidth             |        |  |                 | 200      |         | KHz  |
| Receie on-time                  | Ton    |  |                 |          | 9       | ms   |
| Working Voltage                 |        |  | 4.50            | 5.0      | 5.75    | V    |
| Working Current                 | IRC    |  |                 |          | 4.6     | mA   |
| Image Rejection                 |        | 336.4MHz                               |                 | 20       |         | dB   |
| Decoding output maximum voltage |        | RL=500K                                | 3.50            | 3.75     | 5       | V    |
| Decoding output minimum voltage |        |  |                 |          | 0.5     | V    |
| Working Temperature             |        |  | -40             |          | +85     | °C   |

Under the testing conditions as follows:

5V power supply- temperature is 25 °C – frequency of 433.92MHz

| Parameters                         | Sym<br>bol | Status                                       | Reference Value |              |             | Unit |
|------------------------------------|------------|--|-----------------|--------------|-------------|------|
|                                    |            |  | Minimum         | Standar<br>d | Maxim<br>um |      |
| Working Frequency                  | Fc         |  | 433.82          | 433.92       | 434.02      | MHz  |
| Modulation                         |            |  | ASK             |              |             |      |
| Receiver Senvitivity               |            | 50 ohm antenna<br>input directly /1K<br>Kbps |                 | -111         |             | dBm  |
| Receiving Bandwidth                |            |  |                 | 200          |             | KHz  |
| Receie on-time                     | Ton        |  |                 |              | 9           | ms   |
| Working Voltage                    |            |  | 4.50            | 5.0          | 5.75        | V    |
| Working Current                    | IRC        |  |                 |              | 4.6         | mA   |
| Image Rejection                    |            | 412.52MHz                                    |                 | 20           |             | dB   |
| Decoding output<br>maximum voltage |            | RL=500K                                      | 3.50            | 3.75         | 5           | V    |
| Decoding output<br>minimum voltage |            |  |                 |              | 0.5         | V    |
| Working Temperature                |            |  | -40             |              | +85         | °C   |

**Module Outline Dimension Drawing:****Module Name explanation: RCT01IRXB02-315M**

RX.- Represents the meaning of receiving

B.- Represents of the version number of the module

2. – Represents the Chips used in the module

315M.- Represents the frequency is 315MHz module

**Please Note:**

RCT01IRXB02 module data output pin of the drive current is weak, if it used to direct-drive the single chip, the I/O port of the single chip can't connect with pull-up or pull-down resistor . The pull-up and pull-down resistors inside the single chip must be set on disable mode too.