

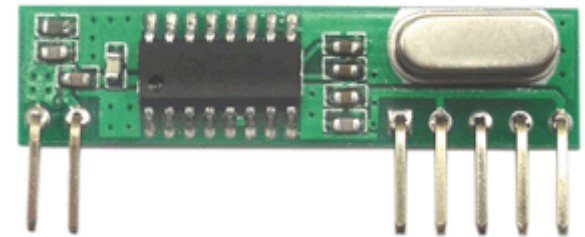
ASK Superhet Receiver Module (ET-RX-14)

ET-RX-14 is superhet receiver module of ASK modulation, working at 433.92 Mhz frequency, high sensitivity with low price.

ET-RX-14 can work with several receiver modules at the same time and no interference to each other, and don't influence the receiving distance.

Key Feature

- ◆ Modulation Mode : ASK / OOK
- ◆ Operating Frequency : 433.92 Mhz
- ◆ Operating Voltage : 3.3~5.5 V
- ◆ Operating Current : 3.8~4.1 mA (5.0V)
- ◆ Data Rate : 2.4 Kbps
- ◆ Sensitivity : -107 dbm
- ◆ Operating Temperature : -30~+85 °C
- ◆ Working Distance : 300 m
- ◆ Dimension : 35*8.5*5 mm



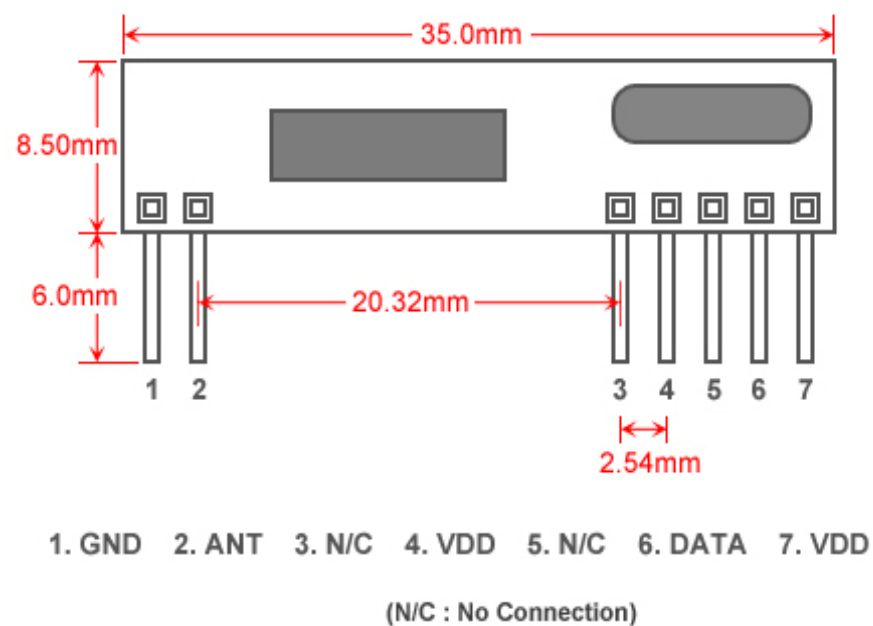
Application

- ◆ Car security system
- ◆ Remote keyless entry (RKE)
- ◆ Garage door controller
- ◆ Home security
- ◆ Wireless controller
- ◆ Automation system

Electrical Characteristics

| Parameter | Symbol | Condition | Specification | | | Unit |
|-----------------------|--------|--------------|---------------|---------|--------|------|
| | | | Min | Typical | Max | |
| Operating frequency | Fc | | 433.82 | 433.92 | 434.02 | MHz |
| Modulation mode | | | ASK | | | |
| Sensitivity | | 1 Kbps / 50Ω | | -107 | | dBm |
| Bandwidth | | | | 200 | | KHz |
| Operating Voltage | VCC | | 3.3 | 5 | 5.75 | V |
| Operating current | IRC | | 3.8 | 3.9 | 4.1 | mA |
| Operating temperature | | | -30 | | 85 | °C |

Pin Dimension



NOTE :

ET-RX-14 Drive Current from Data-PIN is weak, if directly connection with Driving Chip which I/O can not connect Pull Up Resistor or Pull Down Resistor, Driving Chip inner Pull Up Resistor and Pull Down Resistor turn to Disabled State.