Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

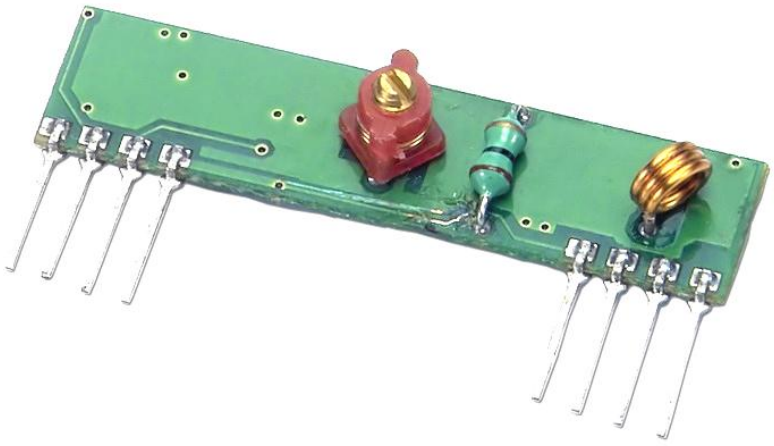

## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

# RWS-371 RF MODULE Series

## Wireless Hi Sensitivity Receiver Module (RF ASK)

WENS Confidential
Do Not Dis



**Version History**

| Version | Date | Changes |
|---|---|---|
| V1.01 | Feb. 1, 2004 | 1st. Edition |
| V1.02 | Jul. 2, 2008 | 2nd. Edition |
| V1.03 | Dec. 28, 2008 | 3rd. Edition |

## Model: RWS-371-6

- Frequency Range: 433.92MHz
- Modulate Mode: ASK
- Circuit Shape: LC
- Date Rate: 4800 bps
- Selectivity: -108 dBm
- Channel Spacing: ±500KHz
- Supply Voltage: 5V
- High sensitivity passive design
- Simple to apply with low external count

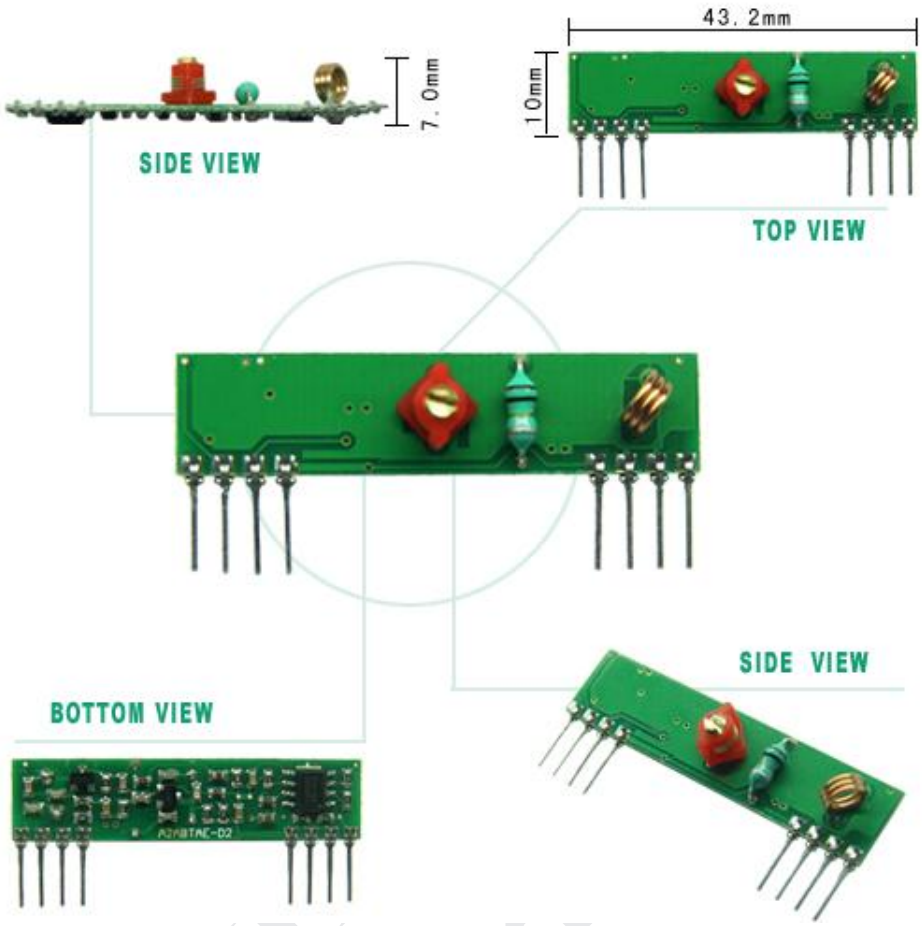
## Electrical Characteristic

| Characteristic | Sym | Min | Type | Max | Unit |
|---|---|---|---|---|---|
| Operating Radio Frequency | FC | 433.420 | 433.920 | 434.420 | MHz |
| Sensitivity | Pref. | -106 | -108 | -110 | dBm |
| Channel Width | | -500 | | + 500 | KHz |
| Noise Equivalent BW | NEB | | 5 | 4 | |
| Baseboard Data Rate | | | | 3 | KB/S |
| Receiver Turn On Time | | | | 3 | ms |

## DC Characteristic

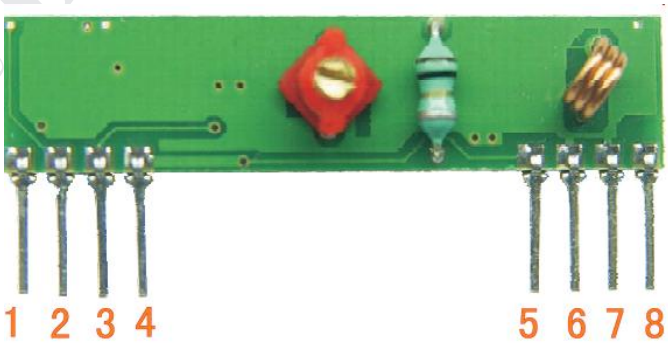
| Symbol | Parameter | Condition | Min | Type | Max | Unit |
|---|---|---|---|---|---|---|
| Vcc | Operating Supply Voltage | | 4.9 | 5 | 5.1 | |
| I Tot | Operating Supply Voltage | | | 4.5 | | |
| V Data | Data Out | 1 Data = +200uA ( High ) | Vcc -0.5 | Vcc | | V |
| | | 1 Data = -10uA ( Low ) | | | 0.3 | V |

## Size

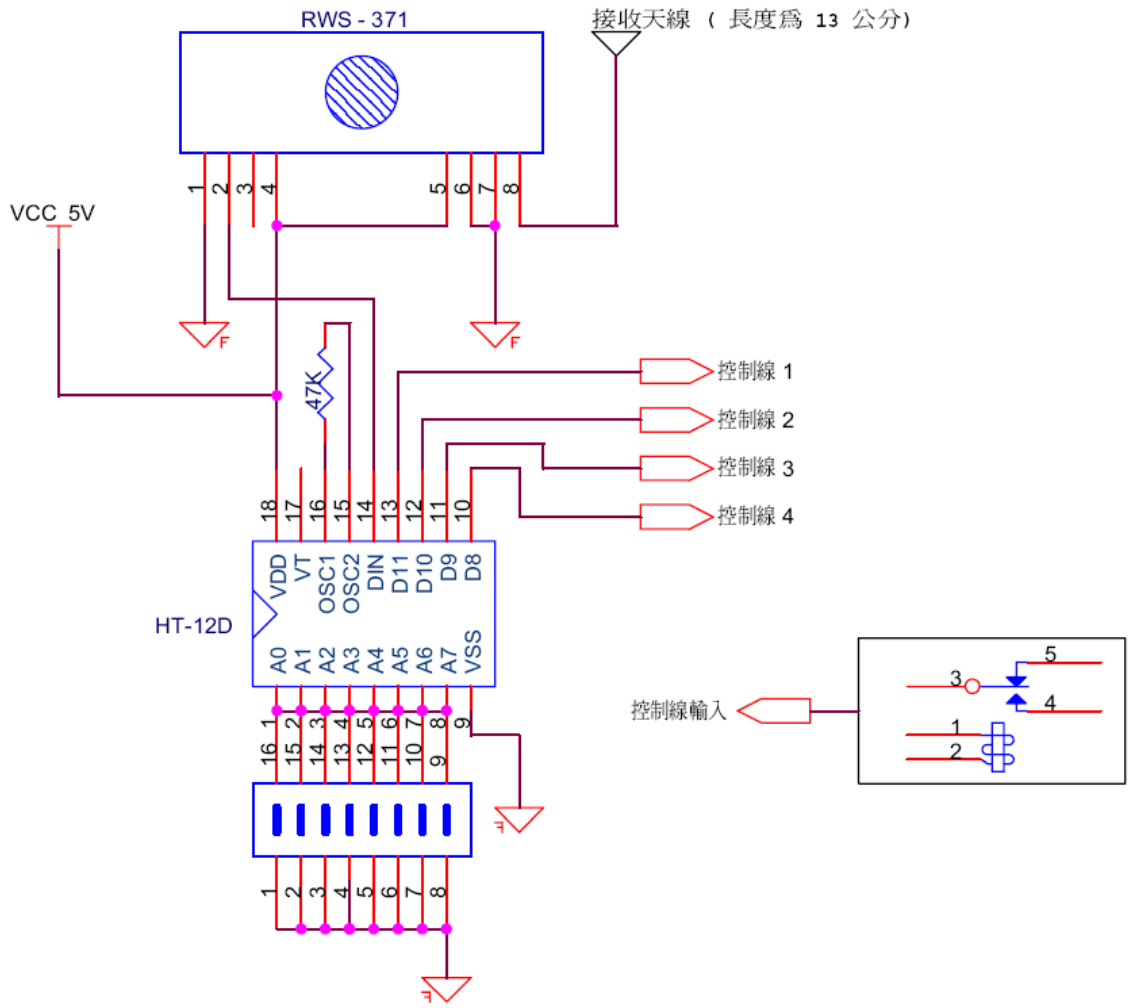



## Pin Assignment

| Pin | Function |
|---|---|
| 1 | GND |
| 2 | Digital Output |
| 3 | Linear Out |
| 4 | VCC |
| 5 | VCC |
| 6 | GND |
| 7 | GND |
| 8 | ANT(About 13cm) |



## Demo Circuit




WE
Do Not