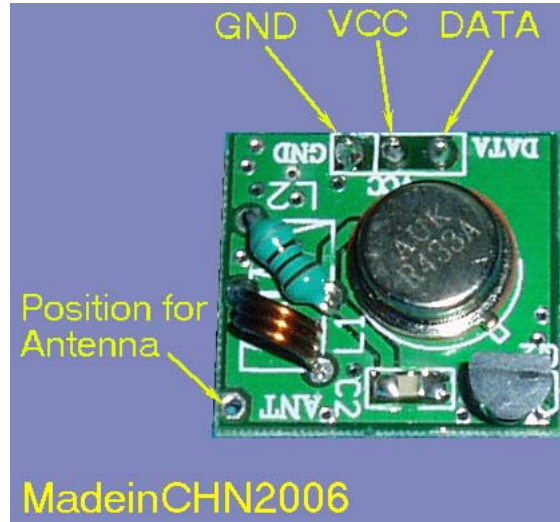


Transmitting Module

Model No.: TM1000-1S



A. Technical Specifications:

| Parameter | Remarks | Reference Value | | | Units |
|-----------------------|---------|-----------------|----------|---------|-------|
| | | Minimum | Standard | Maximum | |
| Operating Voltages | DC | 3 | | 12 | V |
| Operating Current | | 5 | | 45 | mA |
| Quiescent Current | | | ≤0.02 | | mA |
| Modulation Mode | AM | | | | |
| Operating Frequency | | | 315/433 | | MHz |
| Transmitting Distance | | | 1000 | | m |
| Dimension(LWH) | | | 19*19*8 | | mm |

B. Pin Function Introduction:

| Pin | Name | Function |
|-----|----------|---------------|
| | VDD/VCC | Power Anode |
| | TXD/DATA | Data Terminal |
| | GND/VSS | Power Cathode |
| | ANT | Antenna |

C. Product Specifications:

1. Transmitter module uses SAW stable frequency, small temperature excursion, even

Quality, Price, Service, Made in China
[Http://www.e-madeinchn.com](http://www.e-madeinchn.com) E-mail: service@e-madeichn.com

-
- no excursion with hand touching, which can still guarantee the stable performance in the environment of vibration and big temperature change.
2. The low price allows it to be the complete substitute of LC oscillating circuit.
 3. Frequency error is generally within $\pm 75\text{KHz}$, not like LC oscillating circuit of which the error is around $\pm 500\text{KHz}$, so that guarantee the reliability.
 4. Under the normal conditions, quiescent current is almost zero.
 5. Wide operating voltage range between $\text{DC } 3\sim 12\text{V}$;
 6. Factory setting frequency is normally $315\text{MHz}/433\text{MHz}$, the frequency can be adjusted from 260MHz to 433MHz in case of special requirement.

D. Notes:

1. Before being used, connect $50\ \Omega$ $1/4$ wavelength cable antenna (wavelength = light speed/frequency), around 23cm . To have the best effects, please pull out the antenna and keep it straight.
2. Transmitting module has good demand of power, transmitting distance will be very short even the module may not transmit if the power is not sufficient.
3. In order to reach the right transmitting distance, the antenna should be pulled out completely and the antenna of the receiver module should be straight. Both of the transmitter module and receiver module should be 1.5meter above the floor. The receiver module can only drive one LED in a level, open, interference-free environment.