

**Type: 1000M Range ASK/OOK Transmitter Module**  
**Model: CYTD2**

## 1. DESCRIPTION:

CYTD2 has the advantages of small size, wide operating voltage range(3.6-9V), high transmitting power, low power consumption, and stable operating function, which adopting the SMD technique, the advanced crystal based(PLL) on frequency stabilization techniques and superior PCB, and other materials of very low loss in quality. This module is produced by the highly developed techniques, tested by the imported machine, strictly quality controlled before shipment, which directly matches with various coding circuit. It is largely used in long range data wireless transmission, remote control, security and alarm systems.



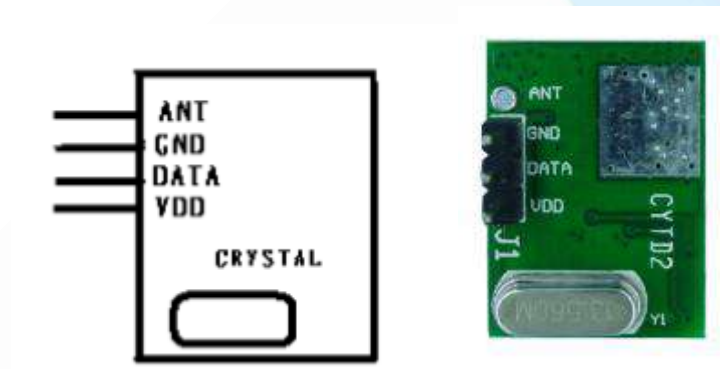
## 2. FEATURES:

- Operating Voltage: DC3.6-9V
- Operating Current: About 200mA
- Operating Frequency: 315MHz/433MHz (custom frequency is available)
- Modulation: ASK/OOK
- Transmitting Power: >100mW
- Transmitting Range: 1000m (Open area) @-111dBm sensitivity
- Connection Mode: 4 Pins (at intervals of 2.54mm) VDD DATA GND ANT
- Shape Size: 22.5×16×5mm
- Operating Temperature: -40°C~+85°C

### 3. APPLICATION:

- Electrically operated gate
- Shutter
- Switch via remote control
- Home automation system
- Security and alarm systems

### 4. PIN DEFINITION:



**Please note:** CYTD2 is come with standard 3 Vertical PINs (without ANT pin). Please notify us if you would like 4 PINs.

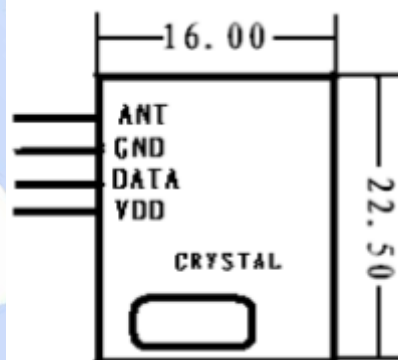
Pin Name	Pin Function
ANT	Antenna Out
GND	Connect to negative power supply
DATA	Data connected to MCU
VDD	Connect to positive power supply

## 5. ELECTRICAL CHARACTERISTICS:

Condition: Working Voltage: 5.0V, temperature at 25 °C

Characteristics	Symbol	Condition	Value			Unit
			Min.	Typ.	Max.	
Frequency	Fc		315		433.92	MHz
Modulation Mode			ASK			
Output power		9V/50Ω		23		dBm
Data-rate				2.4		Kbps
Frequency Tolerate	Fc			±50		kHz
Current	IRC				200	mA
Working Voltage	VCC		3.6		9	V
Working Temperature	TC		-40		+85	°C

## 6. MECHANICAL SIZE: (unit: mm)



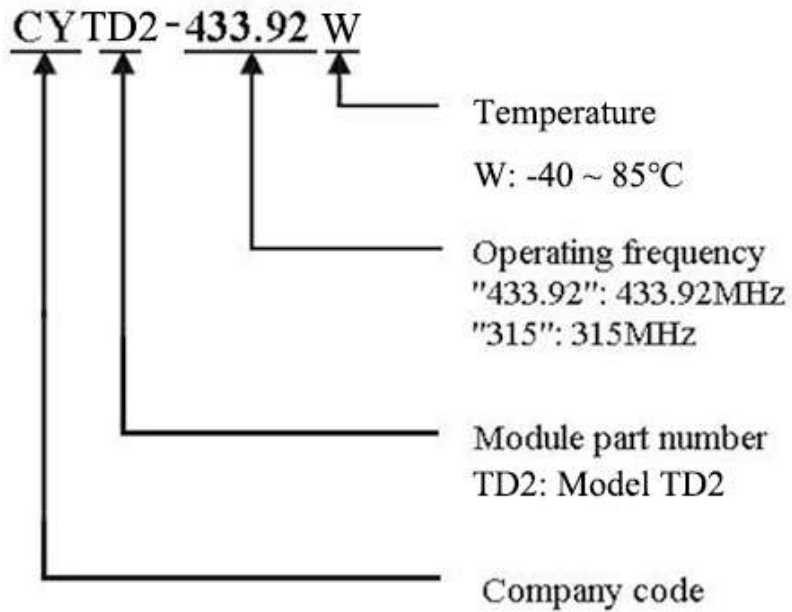
## 7. CAUTION

---Transmitting time: <500ms (less than 10 seconds for each emission).

---Power off when CYTD2 is not transmitting. It is suggested to add an electric switch circuit to control this. It is suggested to allow 3 minutes for the module to cool down before next transmitting.

---It's a high output power transmitting module, it's normal that the heat is higher than standard modules.

## 8. ORDER INFORMATION



For more information and assistance, please kindly contact us as follows:

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