

**Type: ASK Transmitter Module**  
**Model: CYT5**

## 1. DESCRIPTION:

CYT5 is a ASK radio transmitter module. This module is a superior performance transmitter module for ISM band. With the adoption of European brand RF wireless data transferring/ receiver chipsets, it has advantage at strong transmission power, low voltage power supplying, easily through the Fcc/CE authentication. It can do wireless signal input to the data signal output without any external circuit. Users only need to decode the data plus a simple circuit and then any wireless products development can be easily achieved.



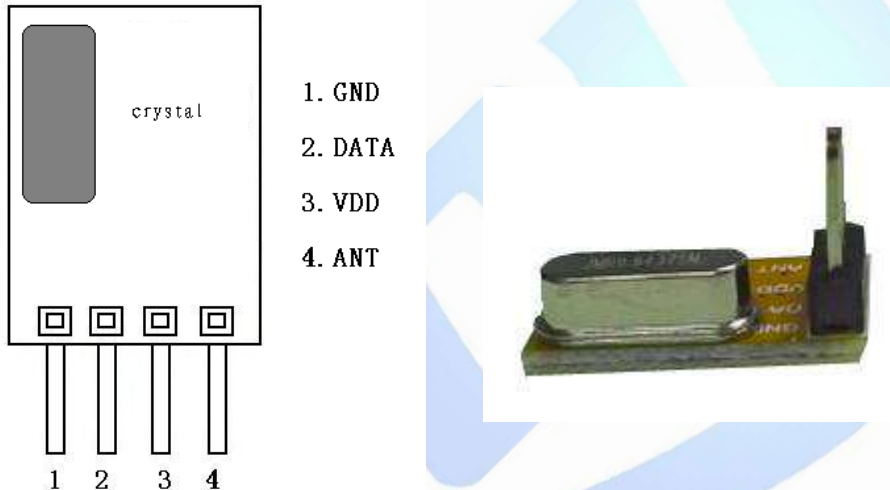
## 2. FEATURES:

- High output power: >8mW;
- Low operation voltage: VCC= 1.8 to 3.6 V;
- Frequency: 315MHz/433.92MHz/868.325/915MHz(custom frequency is available);
- Frequency tolerance:  $\pm 50$  KHz;
- The range can be up to 300m in open space when matching with CY11.
- Operating temperature:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$  (It can custom to  $-40 \sim 85^{\circ}\text{C}$  upon requests)
- The Static power consumption is low. Emission current consumption: 8mA (315Mhz/433.92Mhz), 13mA (868.35Mhz/915Mhz). There is no current consumption is there is no data launch.
- Frequency tolerance:  $\pm 30$  KHz
- Bit rate: 2.4KB/S;
- Circuit Shape: PLL(+50KHz);
- Dimension: 11.5\*16\*5.5mm

### 3. APPLICATION:

- Remote gate controls. Barriers
- Remote keyless entry (RKE)
- Car alarm systems
- Wireless security systems
- Automation systems
- Remote control systems
- Remote Curtain Motor

### 4. PIN DEFINITION:



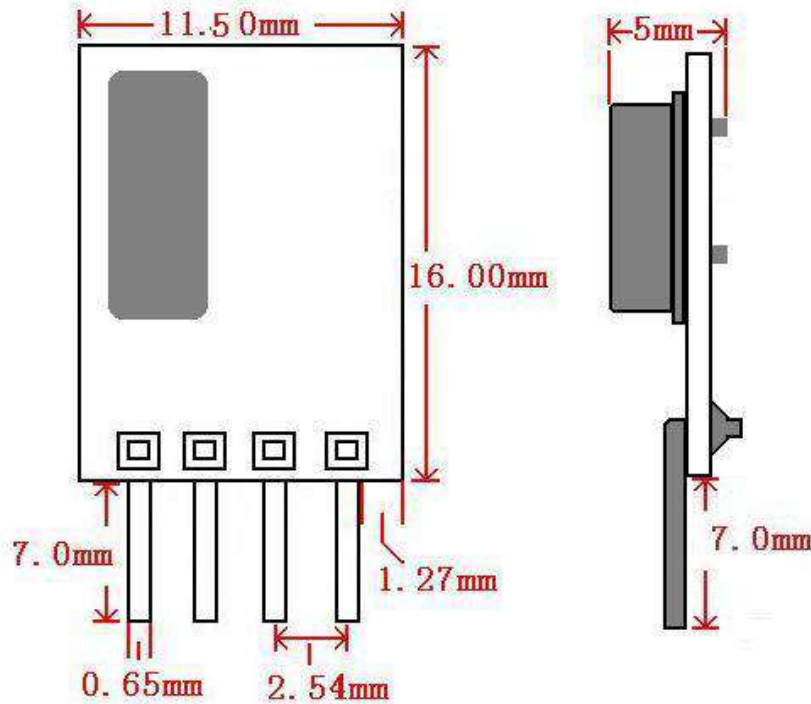
**Please note:** CYT5 is come with standard three Vertical PINs as the picture showed in the right hand side (without the ANT pin) . Please notify us if you would like 4 PINs or horizontal pin type.

Pin	Name	Function
1	GND	Ground
2	DATA	Data connected to MCU
3	VDD	Positive Power Supply
4	ANT	Antenna In

**5. ELECTRICAL CHARACTERISTICS:**

VDD-GDN 1.8V-3.6V TA-25 °C

Characteristics	Symbol	Condition	Value			Unit
			Min	Typ	Max	
Frequency	Fc		315	433.92	868.325/915	MHz
Modulation Mode			ASK			
Output power		3.6V/50Ω		10dBm		dBm
Data-rate				2.4K		Hz
Frequency Tolerate	Fc			±50K		Hz
Current	IRC			8	13	mA
Working Voltage	VCC		1.8	3.3	3.6	V
Working Temperature	TC		-20		+70	°C

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

**Figure1 CYT5 Dimension**
**PCB Dimension Size Tolerance: +-3%**



## **7. ORDER INFORMATION**

### **CYT5-433.92M**

CYT- --Transmitting Module

5-----Model Number

433.92M---Frequency in 433.92MHz;

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

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