

Type: ASK/OOK 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.

There are two versions: CYT5 output power is 10dBm; CYT5-V3.0 output power is 14dBm.



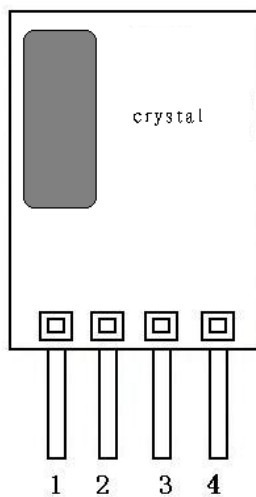
2. FEATURES:

- High output power: >8mW;
- Low operation voltage: VCC= 1.8 to 3.6 V;
- Frequency: 315MHz/433.92MHz;
- Frequency tolerance: ± 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 $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ upon requests);
- The Static power consumption is low. Emission current consumption: 8mA (315Mhz/433.92Mhz). There is no current consumption if there is no data launch;
- Frequency tolerance: ± 30 KHz;
- Bit rate: 2.4KB/S;
- Circuit Shape: PLL(± 50 KHz);
- Dimension: 11.5*16*5.5mm

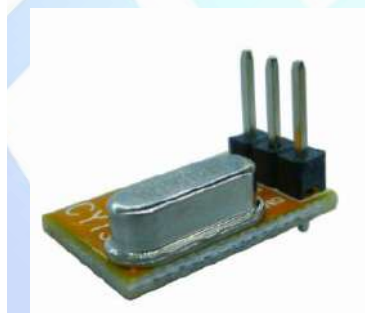
3. APPLICATION:

- 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:



1. GND
2. DATA
3. VDD
4. ANT



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:**

CYT5 VDD-GDN 1.8V-3.6V TA-25 °C

Characteristics	Symbol	Condition	Value			Unit
			Min.	Typ.	Max.	
Frequency	Fc		315	433.92		MHz
Modulation Mode			ASK			
Output power		3.6V/50Ω		10		dBm
Data-rate				2.4		Kbps
Frequency Tolerate	Fc			±50		KHz
Current	IRC			8		mA
Working Voltage	VCC		1.8	3.3	3.6	V
Working Temperature	TC		-20/-40		+70/85	°C

CYT5-V3.0 VDD-GDN 1.8V-3.6V TA-25 °C

Characteristics	Symbol	Condition	Value			Unit
			Min.	Typ.	Max.	
Frequency	Fc		315	433.92		MHz
Modulation Mode			ASK			
Output power		3.6V/50Ω		14		dBm
Data-rate				2.4		Kbps
Frequency Tolerate	Fc			±50		KHz
Current	IRC			8		mA
Working Voltage	VCC		1.8	3.3	3.6	V
Working Temperature	TC		-20/-40		+70/85	°C

6. MECHANICAL SIZE: (unit: mm)

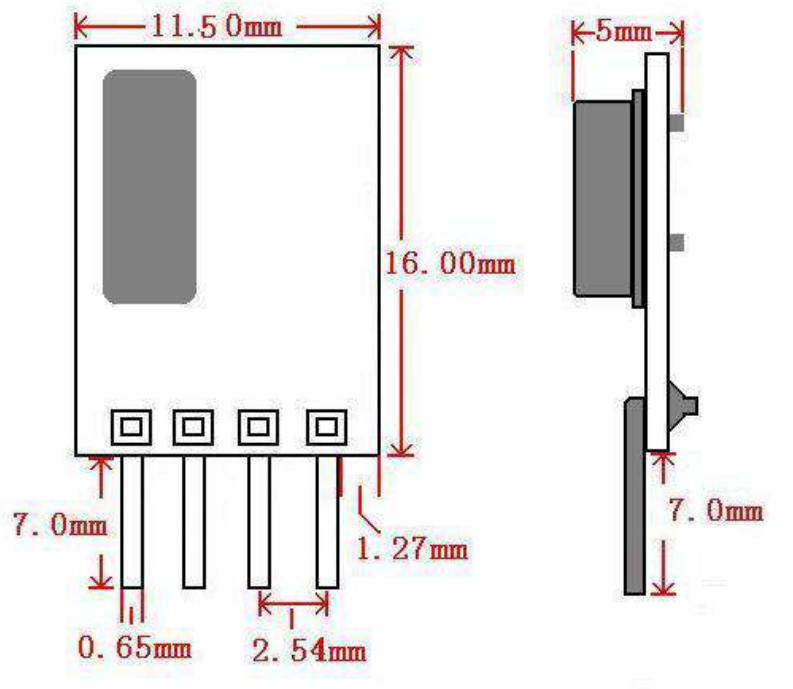
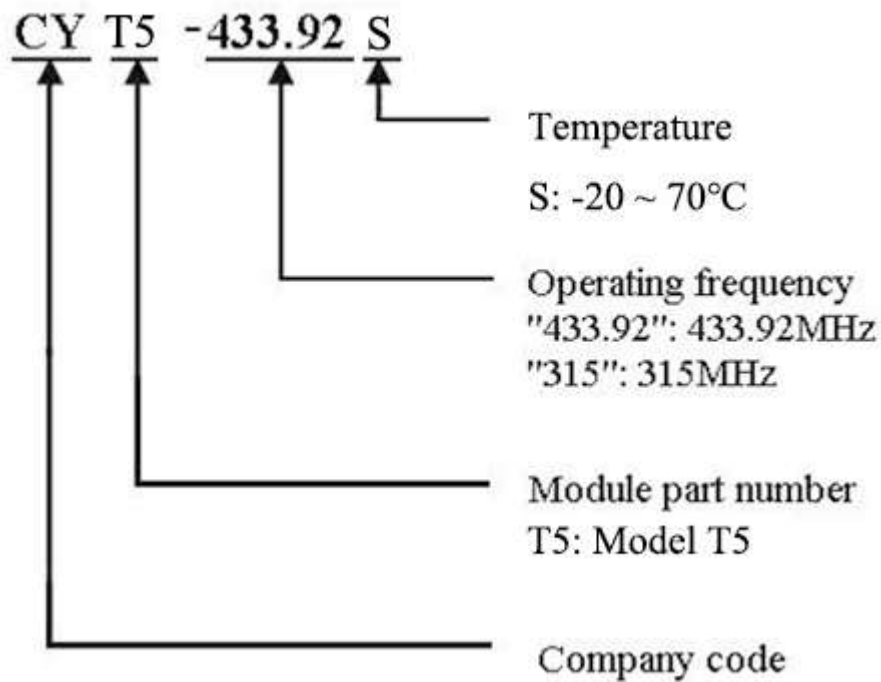
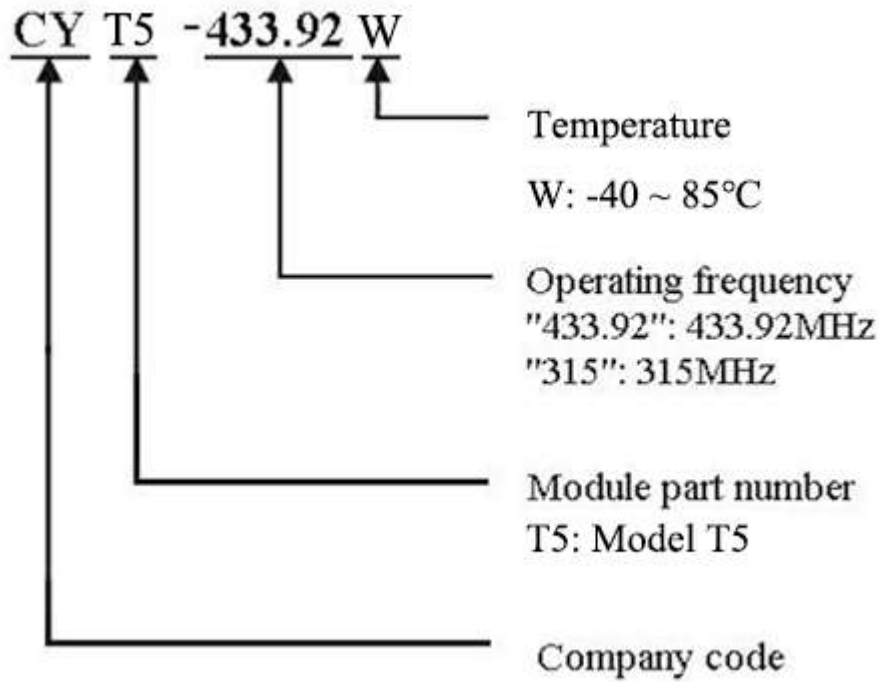


Figure1 CYT5 Dimension

PCB Dimension Size Tolerance: $\pm 3\%$

7. ORDER INFORMATION





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

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