

Type: ASK Transmitter Module
Model: CJT5

1. DESCRIPTION:

CJT5 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.



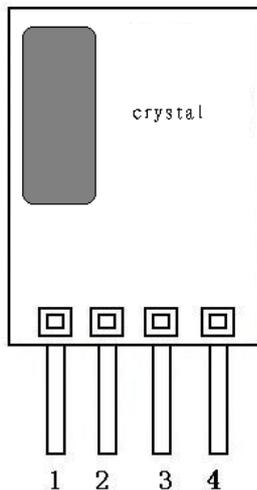
2. FEATURES:

- High output power: >8mW;
- Low operation voltage: VCC= 2.5 to 3.6 V;
- Frequency: 868.325MHz/915MHz;
- Frequency tolerance: ± 50 KHz;
- 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: 20mA (868.325Mhz/915Mhz). There is no current consumption is there is no data launch.
- Bit rate: 2.4KB/S;
- Circuit Shape: PLL(+50KHz);
- Dimension: 11.5*16*5.5mm

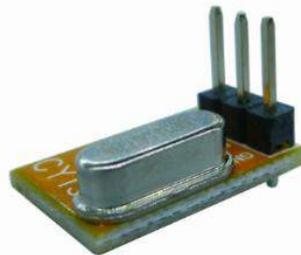
3. APPLICATION:

- 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:



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:

VDD-GDN 2.5V-3.6V TA-25 °C Frequency=868MHz

Characteristics	Symbol	Condition	Value			Unit
			Min.	Typ.	Max.	
Frequency	Fc			868.325		MHz
Modulation Mode			ASK			
Output power		3.6V/50Ω		12dBm		dBm
Data-rate				2.4K		Hz
Frequency Tolerate	Fc			±50K		Hz
Current	IRC			12		mA
Working Voltage	VCC		2.5	3.3	3.6	V
Working Temperature	TC		-20		+70	°C

VDD-GDN 2.5V-3.6V TA-25 °C Frequency=915MHz

Characteristics	Symbol	Condition	Value			Unit
			Min.	Typ.	Max.	
Frequency	Fc		450	915	1000	MHz
Modulation Mode			ASK			
Output power		3.6V/50Ω		14dBm		dBm
Data-rate				2.4K		Hz
Frequency Tolerate	Fc			±50K		Hz
Current	IRC			20		mA
Working Voltage	VCC		2.5	3.3	3.6	V
Working Temperature	TC		-20		+70	°C

6. MECHANICAL SIZE: (unit: mm)

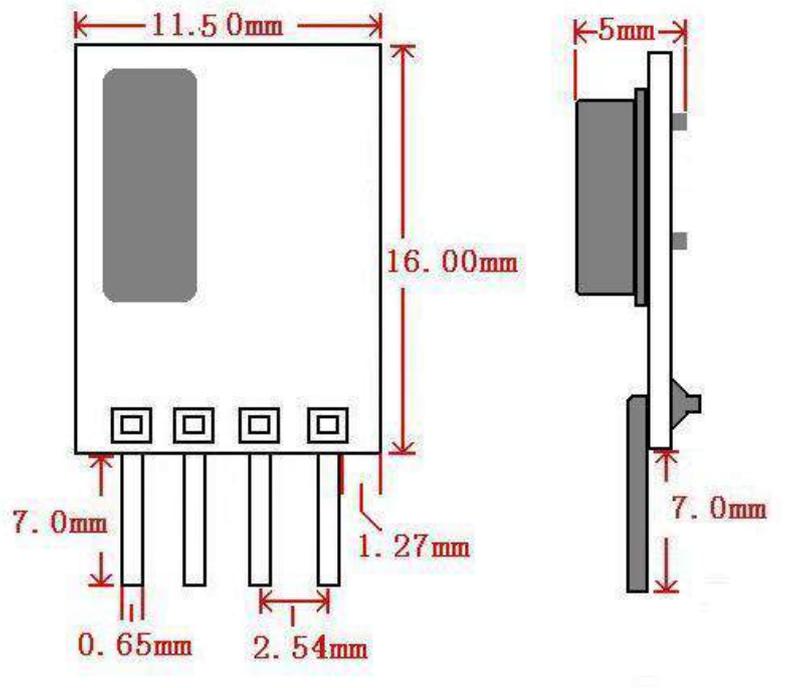


Figure1 CYT5 Dimension

PCB Dimension Size Tolerance: +-3%



7. ORDER INFORMATION

CYT5-915M

CYT- --Transmitting Module

5-----Model Number

915M---Frequency in 915MHz;

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

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