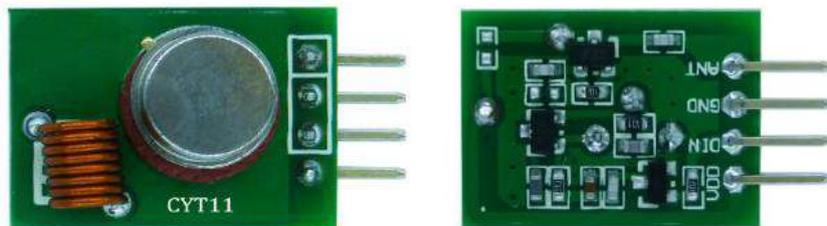


Type: ASK/OOK Transmitter Module
Model: CYT11

1. DESCRIPTION:

CYT11 ASK wireless transmitting module is using the surface acoustic wave resonator and high power RF circuit. This circuit will have current consumption only if you press the button which means there is no electricity consumption at ordinary times. It is simple to use. CYT11 can cooperate with the commonly used ASK super-regenerative receiver circuit or super heterodyne receiver circuit. CYT11 is with high frequency stability. The data port can direct access to the data signals of the single chip microcomputer or wireless encoding chip and it can easily achieve the function from data to the wireless signal emission which will be easier to develop and produce wireless products.



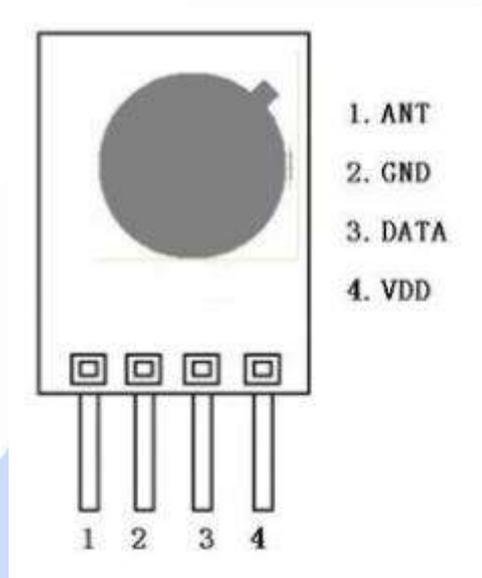
2. FEATURES:

- High output power, transmitting Power > 30mW.
- Operating Voltage: DC3-9V
- Operating Frequency: 315MHz/433MHz (custom frequency is available)
- SAW solution, stable working frequency ($\pm 75\text{Khz}$);
- There is no current consumption when there is no data transmitting. The current consumption with low emission is 30mA(5V).
- Shape Size: 15x21x5.5mm
- Operating Temperature: $-20^{\circ}\text{C}\sim+70^{\circ}\text{C}$
- Input Signal: TTL level
- Data Rate: 3Kbps/s

3. APPLICATION:

- RKE – Remote Keyless Entry
- Gate/Access Control
- Wireless Security and Alarm Systems
- Remote Shutter/Curtain
- Wireless Data Transmission
- Wireless Industry Control

4. PIN DEFINITION:



Pin-out as showed in Figure 1 above.

Pin	Pin Name	Pin Function
1	ANT	Antenna In
2	GND	Connect to negative power supply
3	DATA	Data Output
4	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		5V/50Ω		15		dBm
Data-Rate				2.4		Kbps
Frequency Tolerate	Fc			±75		kHz
Current	IRC			30(5V)		mA
Working Voltage	VCC		3		9	V
Working Temperature	TC		-20		+70	°C

6. MECHANICAL SIZE: (unit: mm)

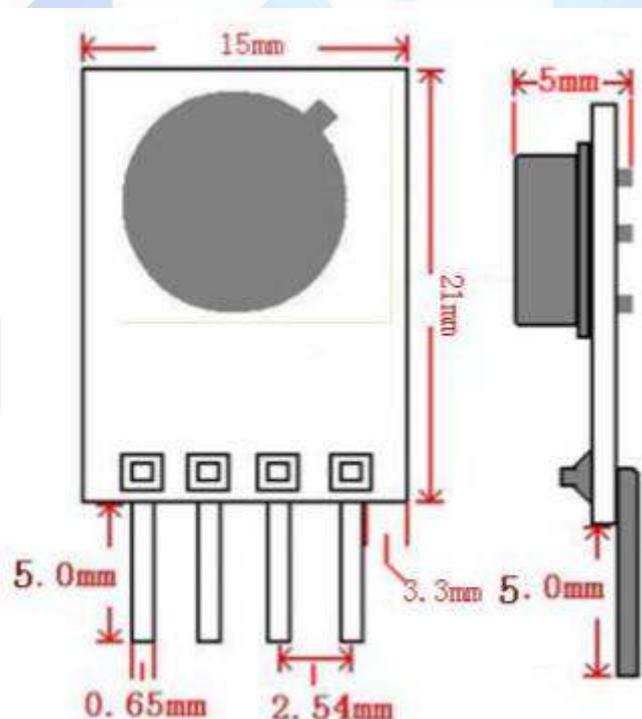


Figure 2 CYT11 Dimension



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

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