



SHENZHEN
JMRTH TECH. CO., LTD

SPECIFICATION

TX11

ASK Wireless Transmission Module

V1.0

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1. Overview

TX11 ASK wireless transmission module is a wireless transmission circuit board made of acoustic surface resonators and high-power RF circuits. This circuit only consumes current when the button is pressed, and it does not consume electricity in normal times and is easy to use. It can work in conjunction with commonly used ASK super regenerative receiving circuits or superheterodyne receiving circuits. It has high frequency stability, the data port can directly connect to the data signal of a microcontroller or wireless encoding chip, which can easily achieve the function of transmitting data to wireless signals. This greatly reduces the workload of wireless product development and makes the production process more convenient and efficient.



2. Product Characteristics

- (1) high transmission power, with a transmission power greater than 30mW;
- (2) Wide Operating Voltage : 3V-9V;
- (3) Operating Frequency: 315 MHz;433 MHz;
- (4) Using SAW frequency stabilization(+75KHZ), with stable operating frequency ;
- (5) With the RXB8 receiving module, the distance can reach up to 800 meters;
- (6) Low static power consumption, current consumption during transmission: 30mA (5V), and almost no current consumption when no data transmission;
- (7) Operating Temperature: -20℃~+70℃;
- (8) Dimension: 15x21x5.5mm;
- (9) Frequency stability: ±75KHZ



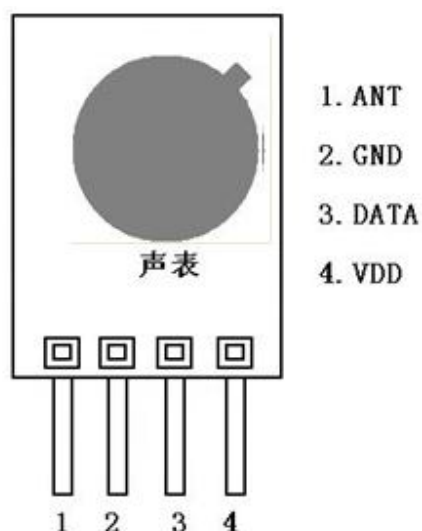
(10) Modulation Rate: 3Kbps/S

(11) Input Signal: TTL electrical level

Application :

- (1) Car remote door switch (RKE);
- (2) Remote control door opener and gate;
- (3) Wireless security alarm;
- (4) Remote control curtain machine;
- (5) Wireless industrial controller;
- (6) Wireless data transmission;

3. Product Pin Description



Pin	Name	Function Description
1	ANT	Antenna input
2	GND	Power supply ground
3	DATA	Data input
4	VDD	Positive power supply

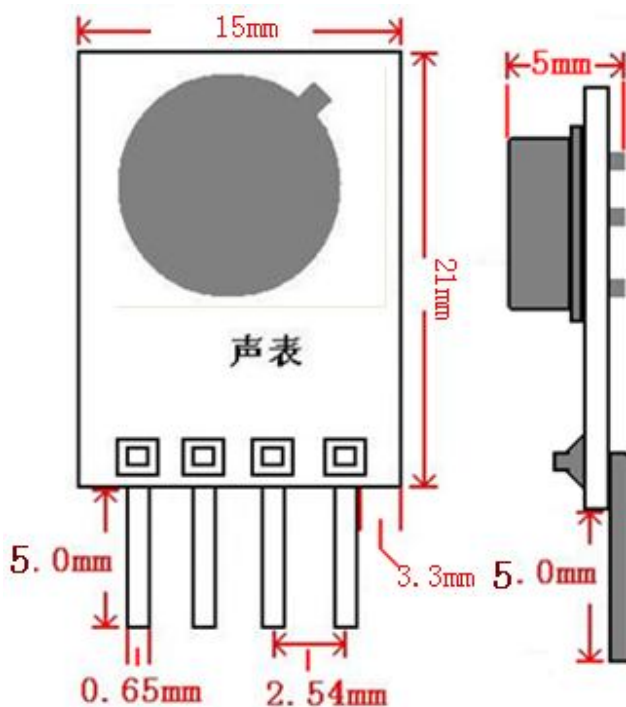


4. Electrical Parameter Table

VDD-GDN 3V-9V TA-25℃

Parameter	Symbol	State	Reference Value			Unit
			Min	Typ	Max	
工作频率	Fc		315		433.92	MHz
调制方式			ASK			
发射功率		5V/50Ω		15dBm		dBm
调制速率				2.4K		bps
频率偏差	Fc			±75K		Hz
消耗电流	IRC			30(5V)		mA
工作电压	VCC		3		9	V
工作温度	TC		-20		+70	℃

5. 模块外形尺寸标注图



The allowable deviation of PCB size is plus or minus 3%.



6. Module Name Explanation

TX11-315M

TX11. Represents the model of the transmission module;

315M. Frequency is 315MHz;