Type: ASK/FSK Super-Heterodyne Transmitter Module

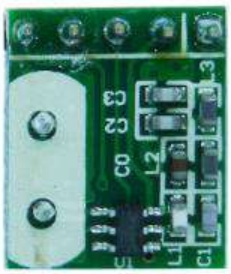
Model: TX3-V2.0

Description:

TX3-V2.0 ASK/FSK wireless transmitter module get excellent performance with ISM frequency band. With the adoption of branded industrial RF wireless data transmission chipsets, it has the advantages at strong transmission power, low voltage and easy to pass FCC/CE certificates. 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.

Order Information:

Model NO.	Freq.	Mod.
TX3-V2.0-315-ASK	315M	ASK
TX3-V2.0-433-FSK	433.92M	FSK



Features:

- Frequency: 240 MHz – 960 MHz (ASK/FSK);
- High output power: +14dBm;
- Low operation voltage: VCC = 1.8 to 3.6V;
- Low standby current:<20nA; 50% duty ratio transmitting current: 18.5mA;
- Freq deviation: ±30KHz;
- FSK Deviation: ±35KHz;
- Circuit shape: PLL(10PPM), stable working frequency;
- Temperature Range: -20℃ ~ 70℃;
- The range can be up to 500m when matching with CY68;
- Dimension: 12.3*14.5*5.5mm

Application

- Remote Gate Controls
- Remote Keyless Entry
- Mechanical and electrical control of strong interference;
- Wireless Industrial Remote Control
- Wireless Data Transmission
- Remote Control Curtain

Pin Description

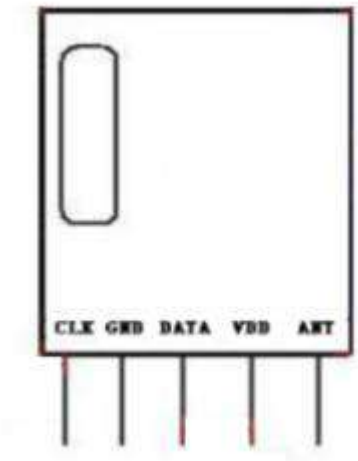


Figure1 TX3-V2.0 Shape & Pins

Pin Name	Pin Definition
CLK	Empty (only for interior collocation)
GND	Ground
DATA	Data In
VDD	Connect to positive power supply
ANT	Antenna Out

Electrical Characteristics:

Condition: Ta=25℃ Vcc=1.8V-3.6V VDD-GDN

Characteristics	Value			Unit	Condition
	Min.	Typ.	Max.		
Frequency	240		960	MHz	
Modulation Mode		ASK/FSK			
Output power		14		dBm	3.6V/50Ω
Data Rate	0.5	2.4	30	Kbps	
Working Voltage	1.8		3.6	V	
Supply Current		18.5		mA	
Frequency Deviation		±30		KHz	
Working Temperature	-20		+70		

Mechanical Size: (Unit: MM)

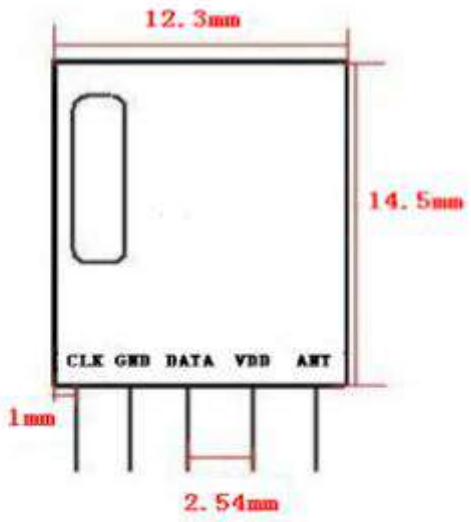


Figure2 TX3-V2.0 Dimension

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

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