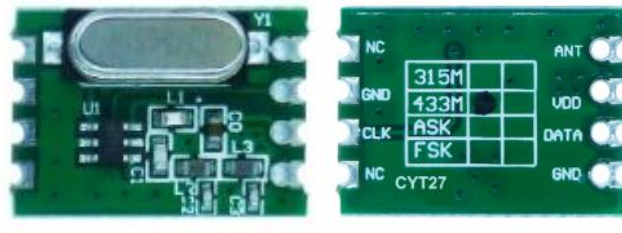


Type: ASK/OOK Transmitter Module
Model: CYT27

1. DESCRIPTION:

CYT27 ASK/OOK wireless transmitter module gets 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.



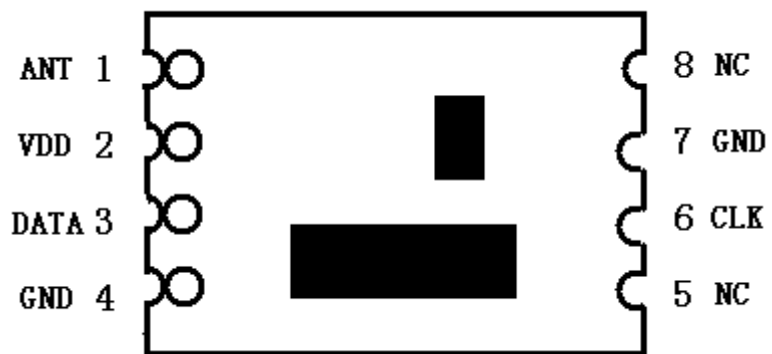
2. FEATURES:

- Frequency: 240 MHz – 960 MHz (ASK/FSK);
- High output power: +14dBm;
- Low operation voltage: VCC = 1.8 to 3.6V;
- Static current: <20nA; 50% duty ratio transmitting current: 18.5mA;
- Freq deviation: $\pm 30\text{KHz}$;
- FSK deviation: $\pm 35\text{K}$
- Circuit shape: PLL (10PPM), stable working frequency;
- Temperature Range: $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$
- The range can be up to 500m in the open space when matching with CY68
- Dimension: 17.9*12.7*5.5mm

3. APPLICATION:

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

4. PIN DEFINITION:



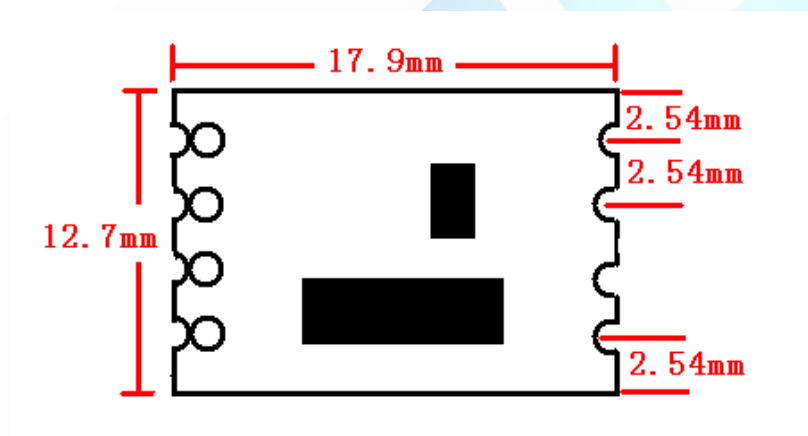
Pin Name	Pin Definition
ANT	Antenna Out
VDD	Connect to positive power supply
DATA	Data In
GND	Ground
NC	Empty
CLK	Empty (only for interior collocation)
GND	Ground
NC	Empty

5. ELECTRICAL CHARACTERISTICS:

Condition: Ta=25°C 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	°C	

6. MECHANICAL SIZE: (unit: mm)



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

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