

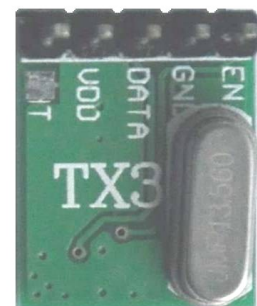
T02MTX3

RCT02MTX3

Type: ASK/FSK Transmitting Module

General Discription:

The RCT02MTX3 has these advantages of small size, low operating voltage range(down to 1.8V), high transmitting power, low power consumption, and stable operating function, which adopting the SMD technique, the advanced crystal based(PLL) on frequency stabilization techniques. It is a easy design for using between ASK and FSK modulatin which mode is selected by a resistor on the PCB board.



Product Key Features:

- \$ Frequency: 315MHz/433.92MHz(others are available);
- \$ High output power: +10dBm;
- \$ Low operation voltage: VCC= 1.8 to 3.6 V;
- \$ low power cosumption: Icc=6.3mA(FM mode,Vcc=5.0V@434MHz);
- \$ low standby current: <1uA;
- \$ Easy for application;
- \$ Fast start time: <1ms;
- \$ Freq deviation: ±50KHz;
- \$ Samll size;
- \$ Circuit shape: PLL;
- \$ the rang can be upto 400m matching with RXB3.

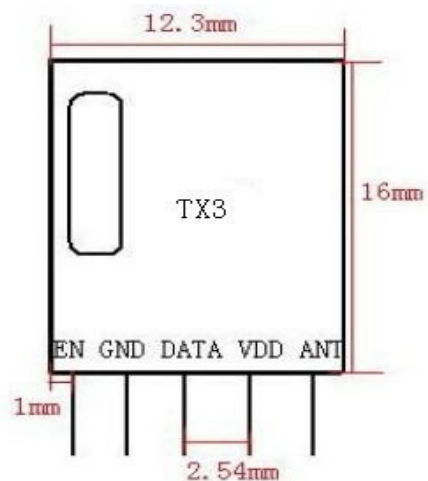
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Product Application:

- * Remote gate controls
- * Remote keyless entry
- * Car alarm systems
- * wireless security systems
- * Automation systems
- * Remote control systems

Pin assignment and size:

Pin	Name	Function
1	EN	Enable ('1' for work, '0' for sleep)
2	GND	Ground
3	Data	Data In
4	VDD	Positive Supply Power
5	ANT	Antena In



Electrical Characteristics:

VDD=3.0V, TA = 25°C, (Manchester encoded)

Characteristics	Min	Typ	Max	Unit	Note
F _c Carrier Frequency	300	433.92	450	MHz	
V _{cc} Supply Voltage	1.8	3.0	3.6	V	
I _s Supply current		8.6		mA	FSK or ASK 'mark'
Modulation Mode	ASK/FSK				
Output power		+10		dBm	600bps(Manchester), dev=±40kHz
F _{dev} Frequency Deviation		±40kHz			
I _q Standby Current		1		uA	
Datarate			30	kbps	FSK
			100	kbps	ASK
T _{on} Turn on time from sleep			1	ms	