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1. Descriptions

The AWD433T is a low cost ASK transmitter. The device is designed to provide a phased locked frequency source for use in local oscillator or transmitter applications. The AWD433T can be used in applications in the North American and European UHF bands. The AWD433T integrated VCO , phase detector, prescaler, and reference oscillator require only the addition of an external crystal to provide a complete phase-locked loop.

2. Feature

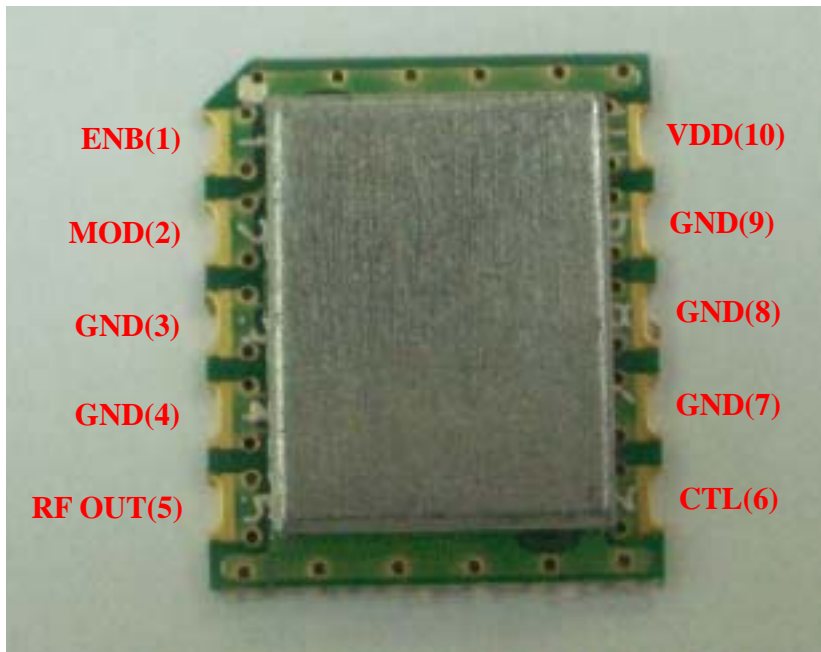
- * Integrated PLL with on board VCO and loop filter
- * 3V to 5V Supply Voltage
- * Power Down Capability
- * Operating Frequency 433.92MHz

3. Application

- * remote control system
- * Bag Reminder
- * Garage door controllers
- * Car alarm system
- * Security system



4. PIN configuration



5. PIN Descriptions

PIN	PIN NAME	PIN FUNCTION
1	ENB	Module enable , Low for operating.
2	MOD	Digital modulation can be imparted to the carrier by an input to this pin.
3,4,7,8,9	GND	Ground.
5	RF OUT	Transmitter output.
6	CTL	Crystal connection input.
10	VDD	VDD is supply to this pin



6. Absolute Operation Maximum Ratings

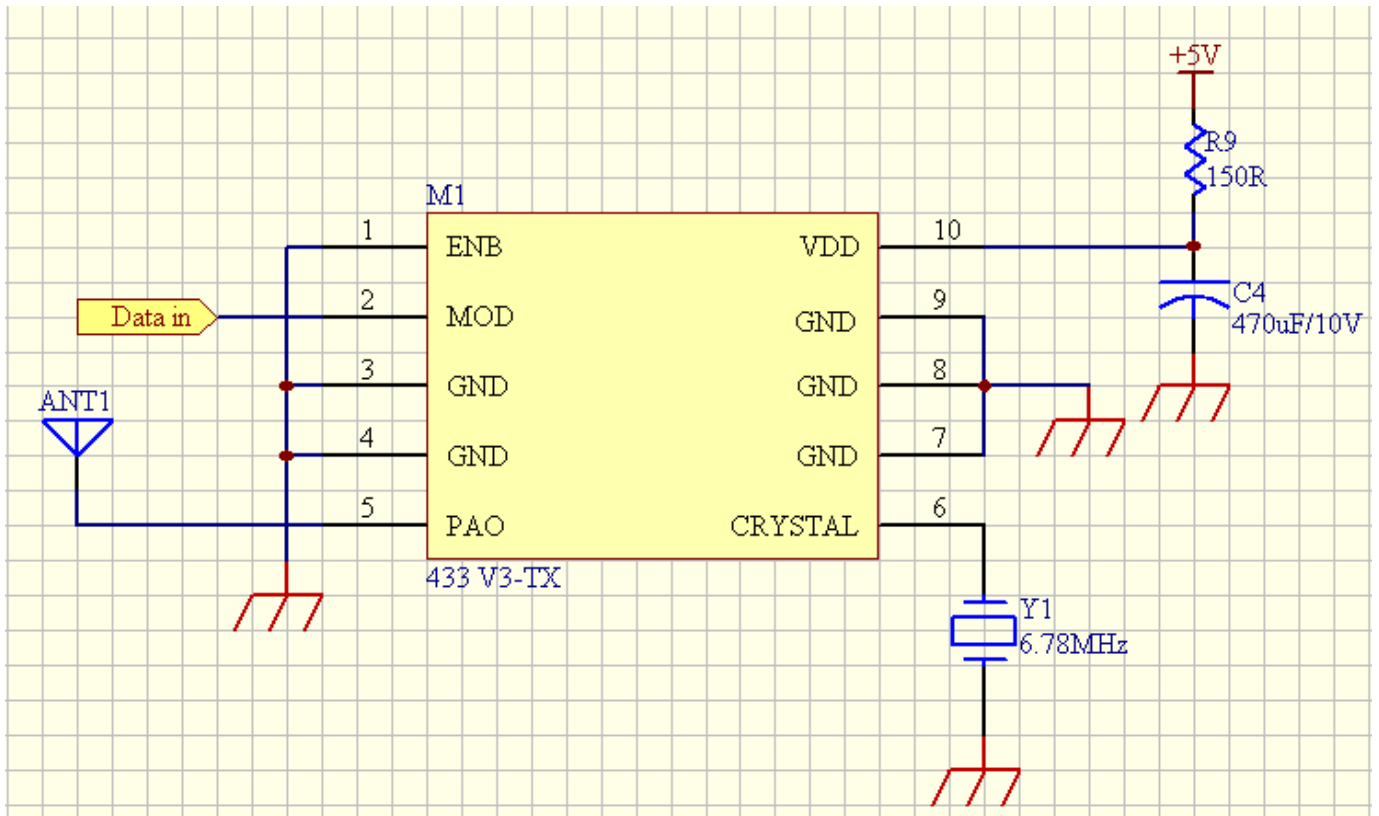
RATING	SYMBOL	VALUE	UNIT
DC Supply Voltage	Vdd	-0.3 To +5v	V
Input Voltage	Vin	-0.5 To +5v	V
Operating Ambient Temperature	Ta	-40 To +80	

7. DC/AC Electrical characteristic

Parameter	Min	Typ	Max	Unit
Operating Temperature	-10		+60	
Operating Voltage	3		5	V
Frequency Range		433.92		MHz
Modulation	ASK			
Modulation Frequency			65	KHz
Power on current		8		mA
RF power output@50		9		dBm



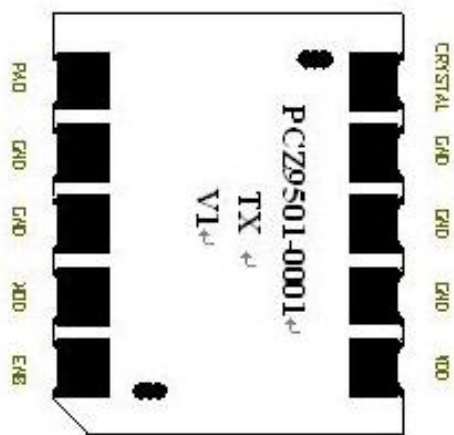
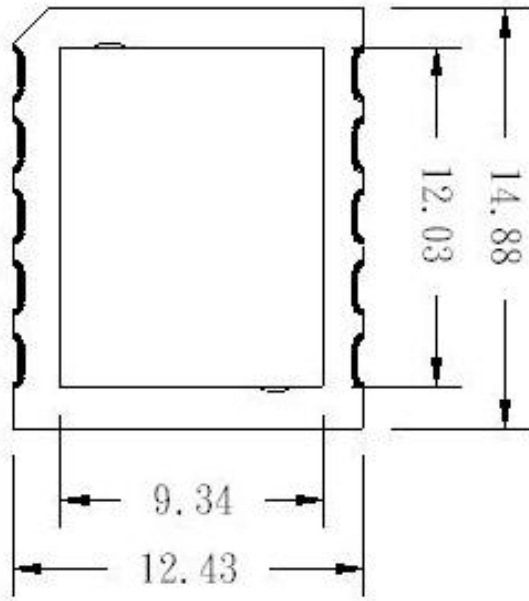
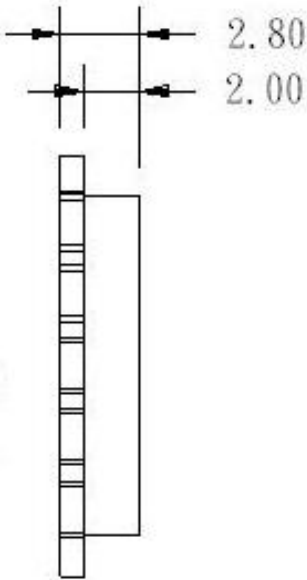
8. Application circuit





9. Dimension

Unit:mm Tolerance:± 0.10



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TX(2-2)

