Velleman: RX433N

Receiver Module Systems (RF ASK)

*Frequency Range: 433.92MHz

*Modulate Mode: ASK

*Circuit Shape: LC

*Date Rate: 4800bps

*Selectivity: -108dBm

*Channel Spacing: ±500KHz

*Supply Voltage: 5V

* High Sensitivity Passive Design.

*Simple To Apply with Low External Count.

Electrical Characteristics :

Characteristics	Sym.	Min.	Typ.	Max.	Unit
Operating Radio Frequency	FC	433.42	433.92	434.42	MHz
Sensitivity	Pref.	-106	-108	-110	dBm
Channel Width		-500		+ 500	KHz
Noise Equivalent BW	NEB		5	4	
Baseboard Data Rate				3	KB/S
Receiver Turn On Time				3	ms

DC Characteristics :

Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
Vcc	Operating Supply Voltage		4.9	5	5.1	
I Tot	Operating Supply Voltage			4.5		
V Data	Data Out	1 Data = -10 uA (Low)	Vcc -0.5	Vcc		V
		1 Data = -10 uA (Low)			0.3	V

♦Size:

UNIT:mm
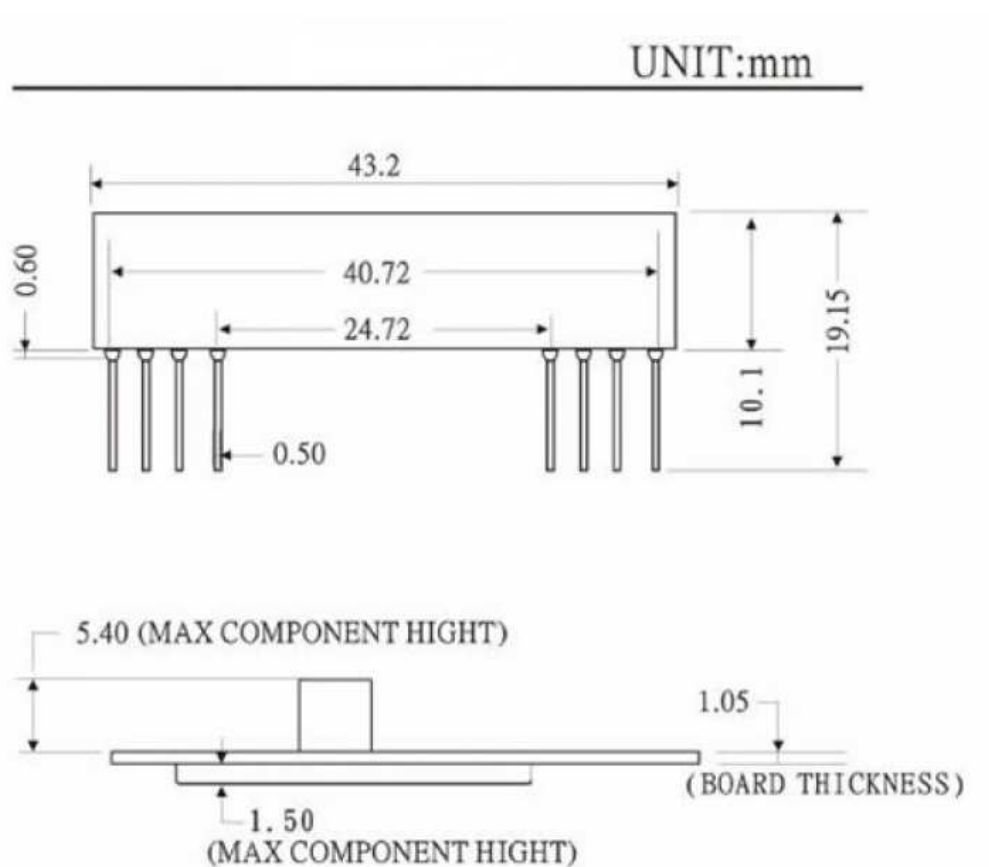
♦ Pin Assignment:
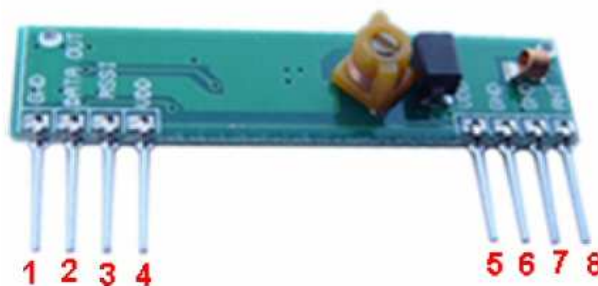
Pin 1: GND
Pin 2: Digital Output
Pin 3: Linear Out
Pin 4: VCC
Pin 5: VCC
Pin 6: GND
Pin 7: GND
Pin 8: ANT (About 30~35cm)

Modulation: AM
Supply Voltage: 5V DC

♦Demo Circuit Diagram:

RX433

ANT

VCC 5V

Data out 4

Data out 3

Data out 2

Data out 1

HT-12D

VDD VT OSC1 OSC2 DIN D11 D10 D9 D8

A0 A1 A2 A3 A4 A5 A6 A7 VSS

47K