



# RXK3

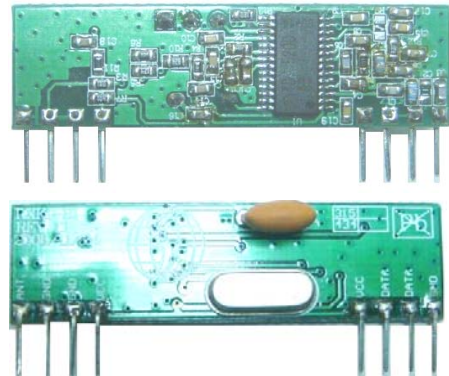
315/395/434 MHz

Hybrid Receiver



©Ideal for 315/395/434MHz Remote Keyless-Entry Receives.

©Phase-Locked Loop Feature



The RXK3 is a miniature receiver module that receives On-off keyed (OOK) modulation signal and demodulated to digital signal for the next decoder stage. Local Oscillator is made of PLL structure. The result is excellent performance in a simple-to-use, with a low external component count.

The RXK3 is designed specifically for remote-control and wireless security receiver operating at 315/395/434MHz in the USA under FCC Part 15 regulation.

## Absolute Maximum Ratings

Rating	Value	Units
Power Supply and/or Modulation Input Voltage	5	V
Operating temperature	-40 to +80	°C

## Receiver Characteristics

Paramater	Symbol	Condition	Value			Unit
			min.	typ.	max.	
Sensitivity	Psens	Vcc=5.0V, AT25°C, BER=3/100, 2Kbps	315MHz	-110		dBm
			395MHz	-110		dBm
			434MHz	-110		dBm
ASKOUT logic HIGH	VOH		0.7*Vcc			V
ASKOUT logic LOW	VOL				0.3*Vcc	V
Supply current	Icc			4.3	5.6	mA
Supply voltage Range	Vcc		+4.5	+5	+5.5	V
Data Rate			300	1K	5.5K	bps



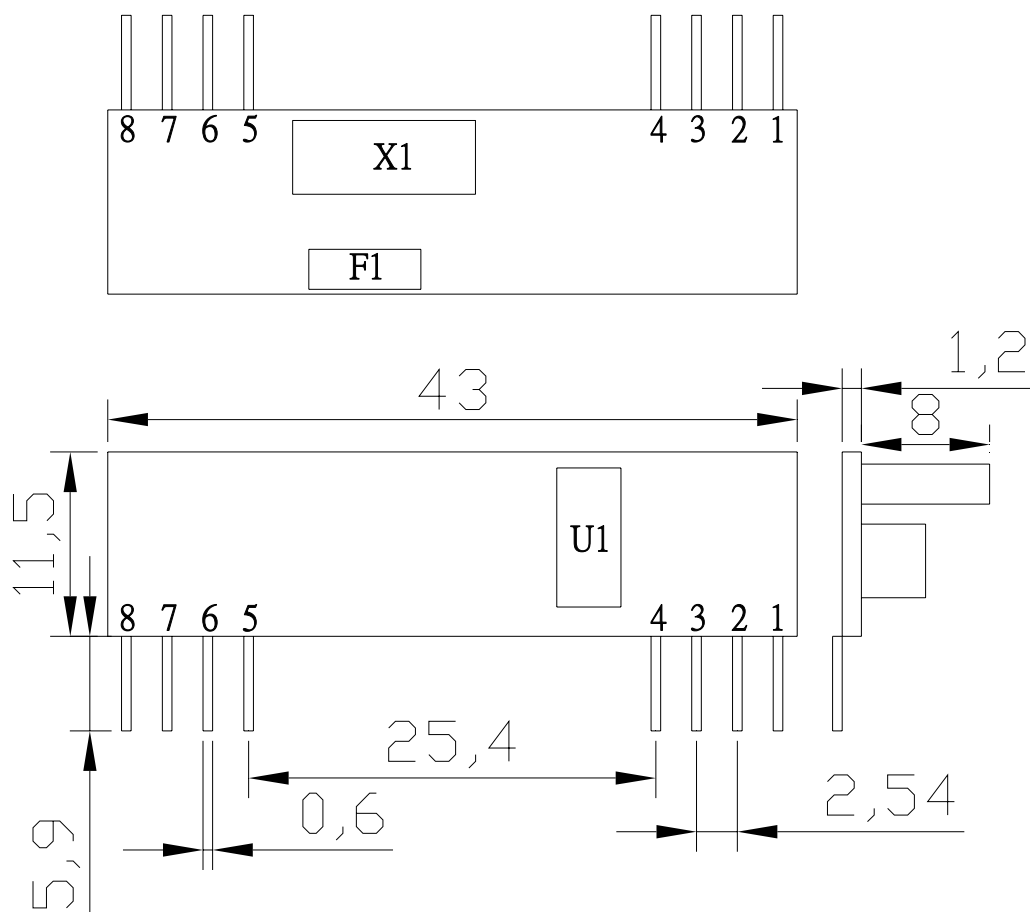
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## Mechanical Characteristics:

Unit : mm



## Pin-out:

- |        |         |
|--------|---------|
| 1. ANT | 5. VCC  |
| 2. GND | 6. DATA |
| 3. GND | 7. DATA |
| 4. VCC | 8. GND  |

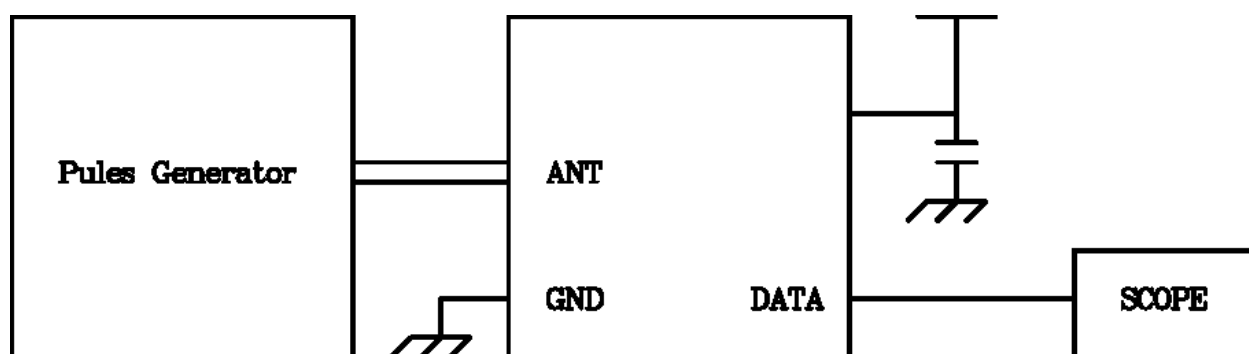


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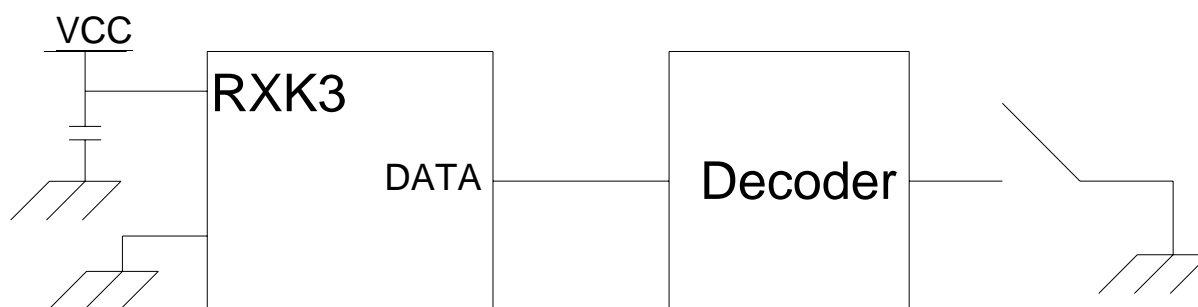
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## Typing Test Circuit



## Typical receiver application



## Notes:

Decoder : HT12D/F,PTC(2262)

Antenna : Length=22.6cm for 315MHz; Length=19cm for 395MHz.; Length=17cm for 434MHz.