

**Type:** Super-Heterodyne Receiver Module  
**Model:** RXB10

## DESCRIPTION:

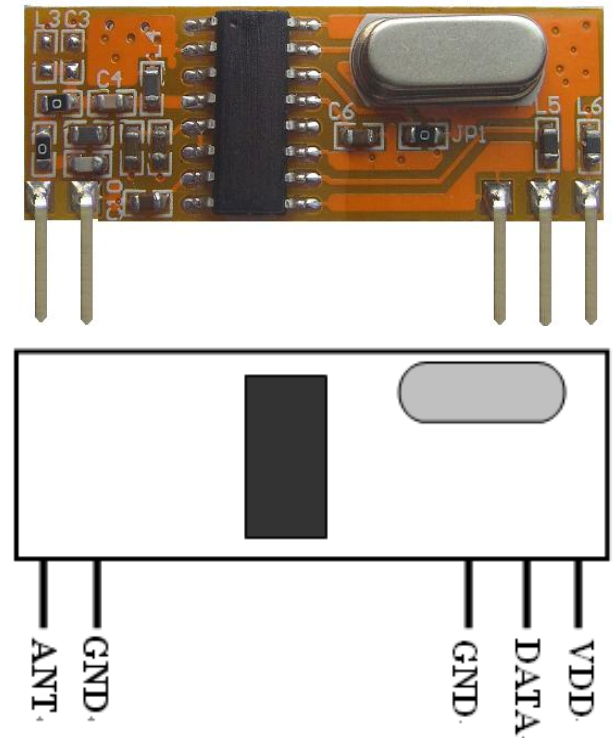
RXB10 is an ASK/OOK receiver super-heterodyne module, which is designed specifically for unlicensed remote-control and wireless security receiver operating at 315/433.92Mhz under FCC Part 15 regulation. The RXB10 is base on a single-conversion, super-heterodyne receiver architecture and incorporates an entire Phase-Locked Loop (PLL) for precise local oscillator generation. It can be used in OOK/ HCS/ PWM modulation signal and demodulate it to digital signal. RXB10 have a high performance at a competitive cost and easily to design your product. RXB10 module has a better distance than RXB3.

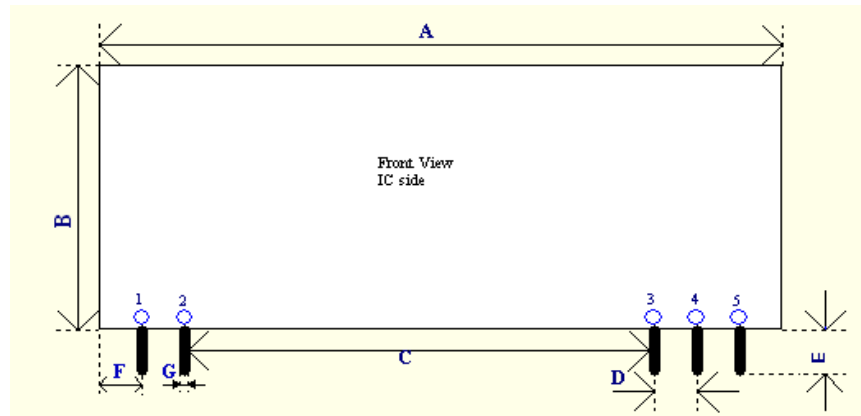
## Features:

- Low power consumption and low cost
- High frequency stability (no adjust components) & coherence
- Very low RF re-radiation at the antenna
- Operation temperature; -20°C ~70°C
- Supply voltage: 2.8~5.5v
- Available frequency: 315/433.92MHz (other frequency between 300MHz and 440MHz is selectable)
- Compatble with most AM (ASK/OOK) transmitters

## APPLICATION:

- Smart home system
- Remote controls
- Remote fan and light control
- Garage door and gate openers
- Alarm and security system



**RXB10-315M Parameters:**

<b>Module No.</b>	RXB10-315M Hz
<b>Receiver Sensitivity</b>	$\leq -105\text{dBm}$ (@BER $10^{-2}$ 5V 1kbps)
<b>Supply Voltage</b>	3.0-5.5V
<b>Current: Max</b>	3.0mA
<b>Data rate:</b>	$\leq 2.4\text{kbps}$
<b>RF Frequency</b>	315M Hz
<b>Size(mm)</b>	33.05*11.00
<b>Peripheral Compenents</b>	R: C:Bead Crystal: Total:

SYMBOL	Distance:mm
A	33.05
B	11.00
C	23.07
D	2.54
E	7.96
F	1.29
G	0.65

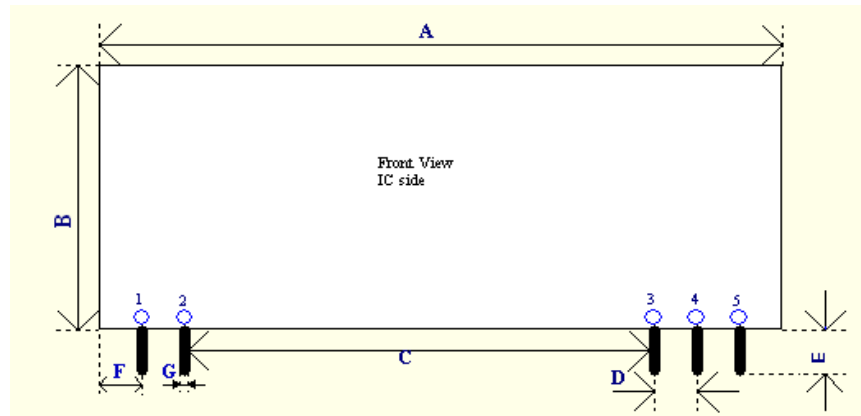
PIN	NAME
1	ANT
2	GND
3	GND
4	DATA
5	5V

For more information and assistance, contact us as follows:

WEB: <http://www.jmrth.com>

TEL: 86 755-8980 8996

FAX: 86 755-88351759

**RXB10-433.92M Parameters:**

<b>Module No.</b>	RXB10-433.92M Hz
<b>Receiver Sensitivity</b>	$\leq -105\text{dBm}$ (@BER $10^{-2}$ 5V 1kbps)
<b>Supply Voltage</b>	3.0-5V
<b>Current: Max</b>	4.5mA
<b>Data rate: Max</b>	2.4kbps
<b>RF Frequency</b>	433.92M Hz
<b>Size</b>	33.05*11.00
<b>Peripheral Components</b>	R: C: Bead Crystal: Total:

SYMBOL	Distance:(mm)
A	33.05
B	11.00
C	23.07
D	2.54
E	7.96
F	1.29
G	0.65

PIN No.	NAME
1	ANT
2	GND
3	GND
4	DATA
5	5V

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