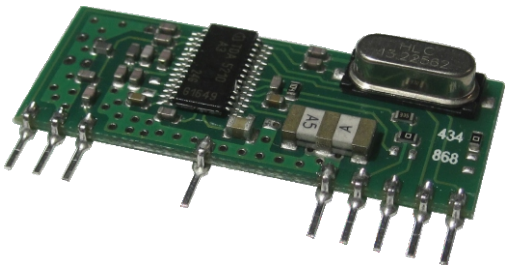
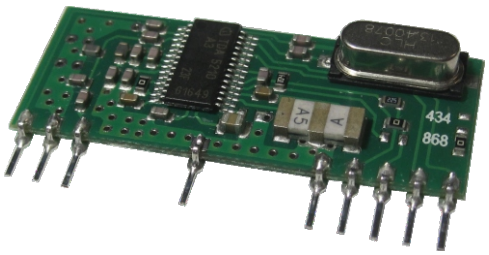
Radiocontrolli
Wireless Modules

# AM Superhet Receiver Module





**RCASK2-XXX** is an AM Radio Receiver Module with PLL Synthesizer and crystal oscillator.
Single Line Package with power down mode.

Frequency = 315MHz
RF Sensitivity = 107dBm

## Applications :

- *Wireless security systems*
- *Home and building automation*
- *Automatic Measure Reading*
- *Wireless Sensor Network*

## Technical Characteristics

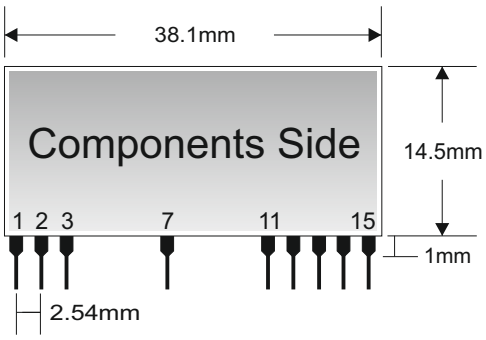
| Characteristics | | MIN | TYP | MAX | UNIT |
|---|---|---|---|---|---|
| $V_{cc}$ | Supply Voltage | 4.5 | | 5.5 | Vdc |
| $I_s$ | Supply Current ( Operation mode ) | | 5.0 | 6.0 | mA |
| $I_s$ | Supply Current (Shut down mode) | | | 100 | nA |
| F | Frequency | | 315 | | MHz |
| D | Max Data Rate | | | 4.8 | Kbit/s |
| S | RF Sensitivity | | -107 | | dBm |
| B | 3dB Bandwith | | ± 150 | | KHz |
| L | Level of emitted spectrum | | | -70 | dBm |
| T | Power Up Time (from Power to stable data) | | | 8 | ms |
| T1 | Power Up Time1 (from PD to stable data) | | | 5 | ms |
| TE | Operating Temperature Range | -20 | | +80 | °C |

## Pin Description

| Pads | Name | Description |
|---|---|---|
| 1 | VCC | Vcc Power |
| 2 | GND | Ground |
| 3 | IN | Antenna |
| 7 | GND | Ground |
| 11 | GND | Ground |
| 12 | VCC | Vcc Power |
| 13 | TP/RSSI | Test Point / RSSI |
| 14 | OUT | Data Out |
| 15 | PD | Power down |

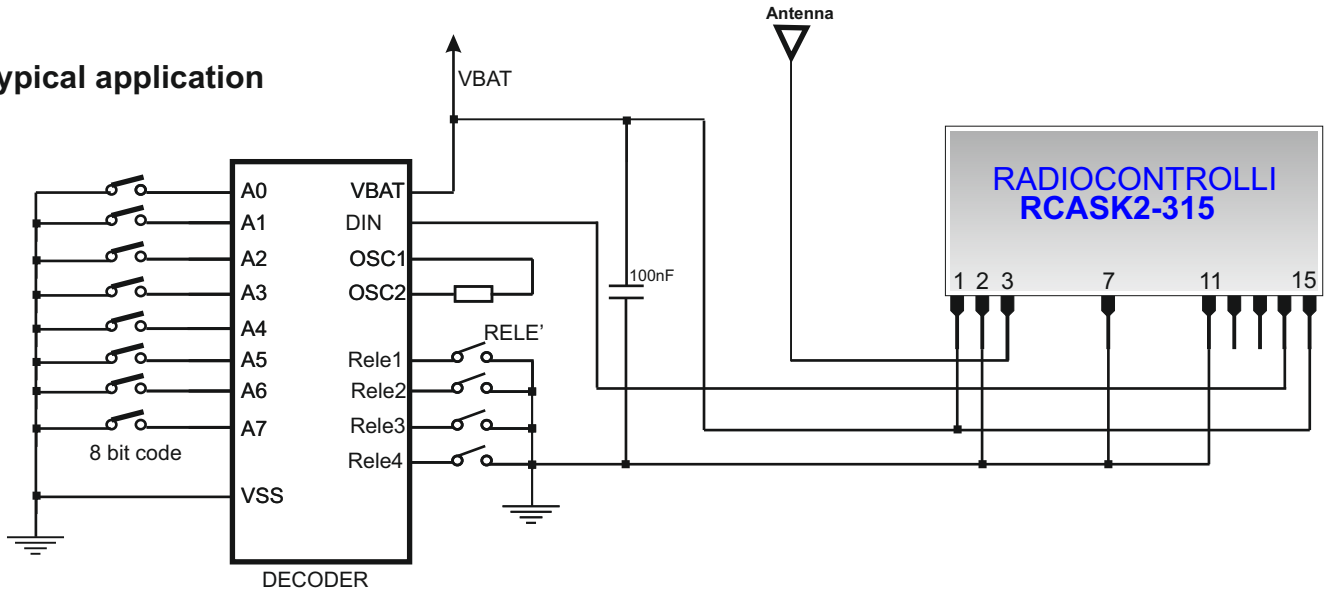
**PD = LOW ----> RX OFF**
**PD = HIGH ----> RX ON**

## Mechanical Dimensions




*Radiocontrolli s.r.l refuses any responsibility for irregular uses of the devices and for any possible lack or inaccuracy of the data and reserves the right to change in whole or in part these information without notice.*

## Typical application




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