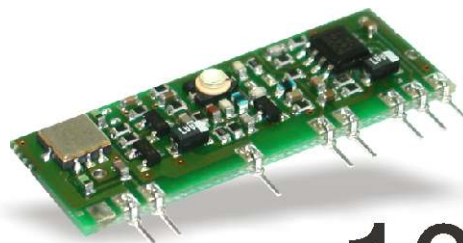


AM OOK 434  
code sending

RX-4MA2



## Low Consumption & Low Cost Receiver



**-106\*** dBm

### Caratteristiche principali

Basso costo.  
Basso consumo: < 1 mA.  
Elevato range di temperatura: -40°C + +80°C.  
Alta insensibilità ai campi elettromagnetici grazie al filtro SAW.  
Conforme alle Normative Europee.

\* Generatore RF con 100% di modulazione

### Main Features

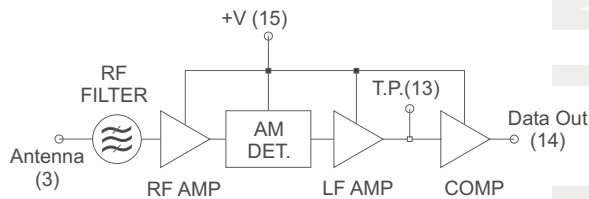
Low cost.  
Low current consumption: < 1 mA.  
Large operating temperature range: -40°C + +80°C.  
High insensitivity to EM fields due to the use of SAW filter.  
In compliance with European Normative.

\* RF generator with 100% modulation

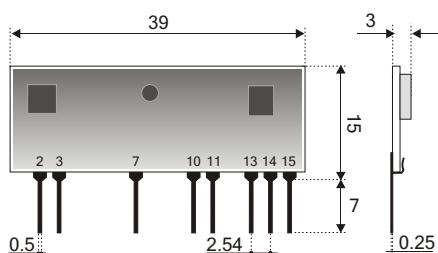
### Applications

Gate door openers, Burglar alarms, Car alarms, Personal security, Home security, Remote controls.

### Block diagram



### Mechanical Dimensions



### Pin-out

- 2) Ground
- 3) Antenna
- 7) Ground
- 10) +V
- 11) Ground
- 13) T.P.
- 14) Data Output
- 15) +V

# 434 MHz Low Consumption & Low Cost Receiver

## Technical Specification

Ta = 25 °C

Characteristics	Min	Typ	Max	Unit
V <sub>S</sub> Supply Voltage	4.75	5	5.25	Vdc
I <sub>S</sub> Supply Current		0.7	1	mA
F <sub>W</sub> Reception Frequency		433.92		MHz
S <sub>I</sub> RF Sensitivity *	-103	-106	-108	dBm
B <sub>W</sub> RF Bandwidth -3dB		600		KHz
I <sub>F</sub> Interference rejection Fc ±10 Mhz		-120		dB
S <sub>O</sub> Square Wave Output	0.1	2.5	3	KHz
H <sub>O</sub> Output High Voltage		3.8		V
L <sub>O</sub> Output Low Voltage			0.1	V
E <sub>A</sub> Antenna RF Emission			- 80	dBm
T <sub>ON</sub> Switch-on Time			2.5	s
T <sub>OP</sub> Operating Temperature Range	-40		+80	°C

\* RF generator with 100% modulation

## Specifiche Tecniche

Ta = 25 °C

Characteristics	Min	Tip	Max	Unit
V <sub>S</sub> Alimentazione	4.75	5	5.25	Vdc
I <sub>S</sub> Corrente assorbita		0.7	1	mA
F <sub>W</sub> Frequenza di ricezione		433.92		MHz
S <sub>I</sub> Sensibilità RF	-103	-106	-108	dBm
B <sub>W</sub> Banda passante RF a - 3dB		600		KHz
I <sub>F</sub> Reiezione alle interferenze Fc ±10 Mhz		-120		dB
S <sub>O</sub> Onda quadra in uscita	0.1	2.5	3	KHz
H <sub>O</sub> Livello alto d'uscita		3.8		V
L <sub>O</sub> Livello basso d'uscita			0.1	V
E <sub>A</sub> Emissioni RF spurie in antenna			- 80	dBm
T <sub>ON</sub> Tempo di accensione			2.5	s
T <sub>OP</sub> Temperatura di lavoro	-40		+80	°C

PRELIMINARY

### Part Number / Model

650200xxx  
mod. RX-4MA2