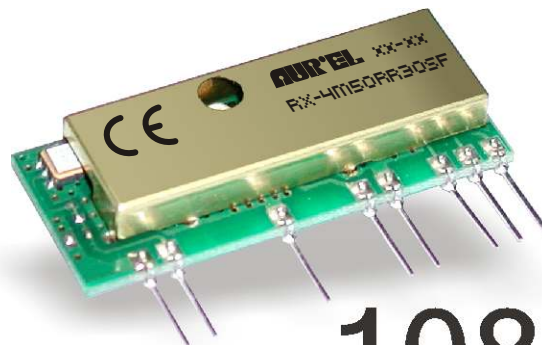


# AM OOK 434 code sending

## RX-4M50RR30SF



### 434 Mhz High performance Low Cost Receiver



# -108\* dBm

#### Caratteristiche principali

Ricevitore RF ad alte prestazioni e basso costo. Elevata selettività ed alta immunità ai campi elettromagnetici interferenti, ottenuta con l'impiego di filtro SAW in ingresso e schermo metallico.

In accordo con le Normative Europee.

\* Generatore RF con 100% di modulazione

#### Main Features

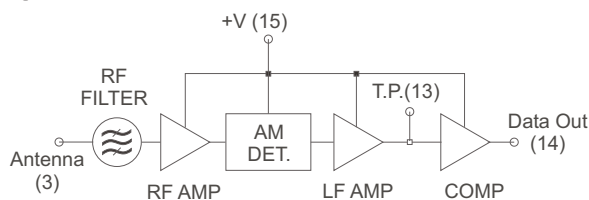
High performance and low cost RF receiver. High selectivity and high insensitivity to electromagnetic fields from installed input SAW filter and shielded case. In compliance with European Normative.

\* RF generator with 100% modulation

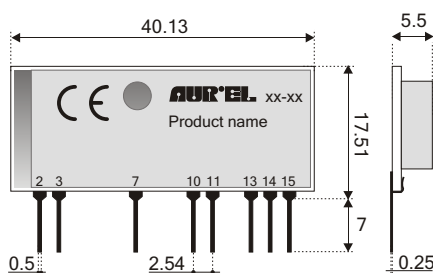
#### Applications

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 High performance 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	2.6	3	3.3	mA
F <sub>W</sub> Reception Frequency		433.92		MHz
S <sub>I</sub> RF Sensitivity *	-97	-100	-102	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	-20		+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	2.6	3	3.3	mA
F <sub>W</sub> Frequenza di ricezione		433.92		MHz
S <sub>I</sub> Sensibilità RF *	-97	-100	-102	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	-20		+80	°C

\* Generatore RF con 100% di modulazione

Part Number / Model

650200527  
mod. RX-4M50RR30SF