

AM OOK 433.92  
code sending

RX-AM4SF



## 434 MHz RSSI Super-Het Receiver



**-109dBm\***

### Descrizione

Il ricevitore supereterodina RX-AM4SF è in grado di fornire un'uscita RSSI per indicare l'ampiezza del segnale captato.

Tale indicazione può essere sfruttata per implementare un misuratore di campo capace di segnalare la distanza a cui si trova l'oggetto trasmittente.

\* Generatore RF con modulazione 100%.

### Description

The super-heterodyne receiver RX-AM4SF can provide a RSSI output indicating the amplitude of the received signal.

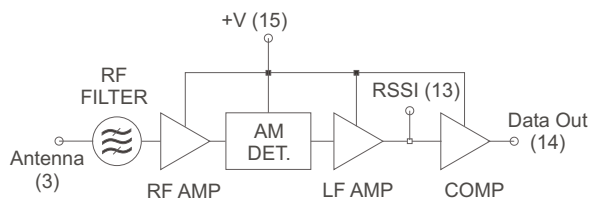
This output can be used to create a field-strength meter capable to indicate the distance of the transmitting unit.

\* RF generator with 100% modulation

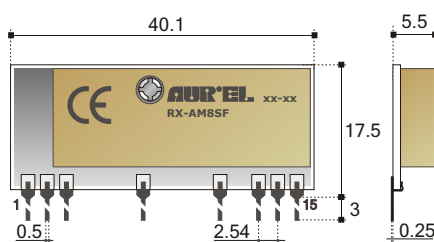
### Applications

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

### Block diagram



### Mechanical Dimensions



### Pin-out

- 1) +Vcc Preamp
- 2) Ground
- 3) Antenna
- 7) Ground
- 11) Gain
- 13) RSSI Output
- 14) Data Output
- 15) +V

■ All dimensions are in millimeters

# 434 MHz RSSI Super-Het 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		6.5		mA
F <sub>W</sub> Reception frequency		433.92		MHz
S <sub>I</sub> RF sensitivity*		-109		dBm
RF <sub>BW</sub> RF Bandwidth - 3dB		600		KHz
IF <sub>BW</sub> IF Bandwidth - 3dB		300		KHz
S <sub>O</sub> Square wave output		3		KHz
H <sub>O</sub> Output high voltage		3.8		V
L <sub>O</sub> Output low voltage			GND	V
E <sub>A</sub> Antenna RF emission			- 60	dBm
T <sub>OP</sub> Operating temperature range	-20		+80	°C

\* RF generator with 100% modulation

## Specifiche Tecniche

Ta = 25 °C

Caratteristiche	Min	Typ	Max	Unità
V <sub>S</sub> Alimentazione	4.75	5	5.25	Vdc
I <sub>S</sub> Corrente Assorbita		6.5		mA
F <sub>W</sub> Frequenza di ricezione		433.92		MHz
S <sub>I</sub> Sensibilità RF *		-109		dBm
RF <sub>BW</sub> Banda passante RF a - 3dB		600		KHz
IF <sub>BW</sub> Banda passante IF a - 3dB		300		KHz
S <sub>O</sub> Onda quadra in uscita		3		KHz
H <sub>O</sub> Livello alto d'uscita		3.8		V
L <sub>O</sub> Livello basso d'uscita			GND	V
E <sub>A</sub> Emissioni RF spurie in antenna			- 60	dBm
T <sub>OP</sub> Temperatura di lavoro	-20		+80	°C

\* Generatore RF con modulazione 100%.

### Part Number / Model

650200701  
mod. RX-AM4SF