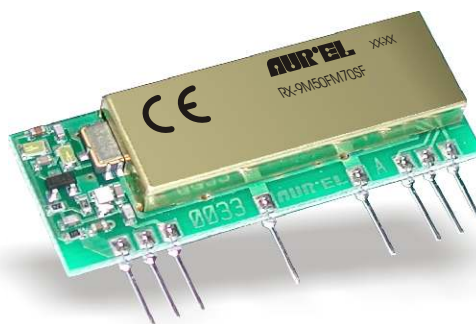


## 914.5 Mhz Super-Het FSK Receiver



### Descrizione

Ricevitore supereterodina di dati digitali modulati in FSK, operante alla frequenza di 914,5 Mhz. Elevata selettività e sensibilità garantiscono ottime prestazioni di immunità ai disturbi. Da utilizzare in abbinamento al modulo trasmettitore TX-9M50PF01

Non usabile negli Stati dell'Unione Europea

### Description

Super-het RF receiver of FSK modulated digital data, working at 914.5MHz frequency.

High selectivity and sensibility obtained by SAW filter.

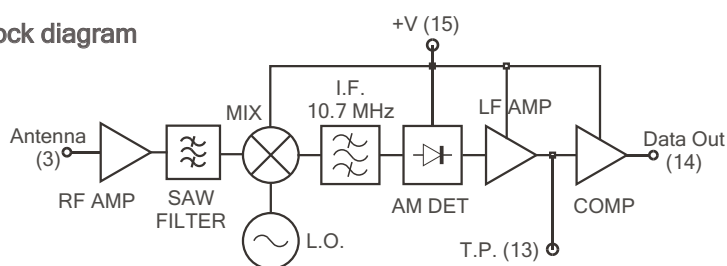
It is usable in conjunction with transmitter mod. TX-9M50PF01.

**Not usable in U.E. Countries**

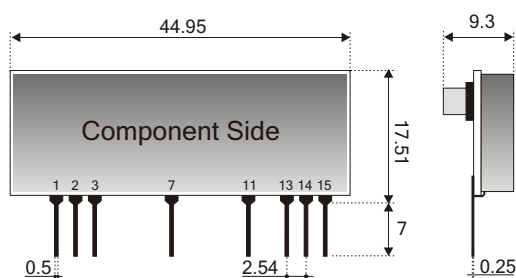
### Applications

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

### Block diagram



### Mechanical Dimensions



### Pin-out

- 1) +V Preamp.
- 2) Ground
- 3) Antenna
- 7) Ground
- 11) Ground
- 13) Test Point
- 14) Data Output
- 15) +V

# 914.5 Mhz Super-Het FSK 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               |                    | 7         |      | mA   |
| F <sub>W</sub> Reception Frequency          |                    | 914.5 (*) |      | MHz  |
| S <sub>I</sub> RF Sensitivity               |                    | -111      |      | dBm  |
| B <sub>W</sub> RF Bandwidth -3dB            |                    | 600       |      | KHz  |
| I <sub>F</sub> IF Bandwidth - 3dB           |                    | 70        |      | KHz  |
| S <sub>O</sub> Square Wave Output           |                    |           | 10   | KHz  |
| H <sub>O</sub> Output High Voltage          | V <sub>S</sub> - 1 |           |      | V    |
| L <sub>O</sub> Output Low Voltage           |                    |           | GND  | V    |
| E <sub>A</sub> Antenna RF Emission          |                    |           | - 80 | dBm  |
| T <sub>ON</sub> Switch-on Time              |                    |           | 0.2  | 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             |                    | 7         |      | mA   |
| F <sub>W</sub> Frequenza di ricezione         |                    | 914.5 (*) |      | MHz  |
| S <sub>I</sub> Sensibilità RF                 |                    | -111      |      | dBm  |
| B <sub>W</sub> Banda passante RF a - 3dB      |                    | 600       |      | KHz  |
| I <sub>F</sub> Banda passante IF a - 3dB      |                    | 70        |      | KHz  |
| S <sub>O</sub> Onda quadra in uscita          |                    |           | 10   | KHz  |
| H <sub>O</sub> Livello alto d'uscita          | V <sub>S</sub> - 1 |           |      | V    |
| L <sub>O</sub> Livello basso d'uscita         |                    |           | GND  | V    |
| E <sub>A</sub> Emissioni RF spurie in antenna |                    |           | - 80 | dBm  |
| T <sub>ON</sub> Tempo di accensione           |                    |           | 0.2  | s    |
| T <sub>OP</sub> Temperatura di lavoro         | -20                |           | +80  | °C   |

(\*) Generatore RF con modulazione 100%

Part Number / Model

650200677

mod. RX-9M50FM70SF

\* Not usable in U.E. Countries

\* Non usabile negli Stati dell'Unione Europea