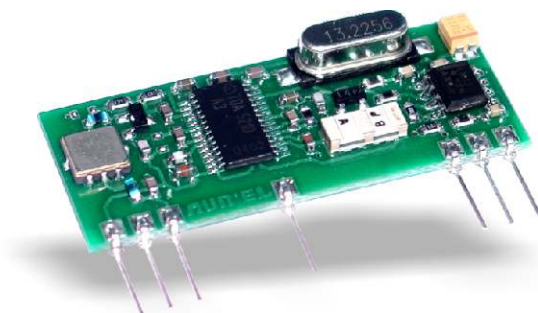


# RX-4MF1

## 434 MHz FM FSK Low Cost Super-het Receiver



**-111dBm**

### Description

Super-het receiver of FSK modulated digital data, working at 433.92 MHz frequency. Pin to pin compatible with all FSK AUREL receivers.

High selectivity and sensibility obtained by SAW filter.

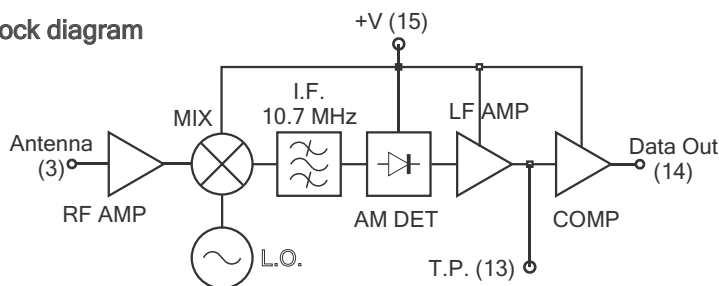
Output voltage is low when no carrier is on air.

### Descrizione

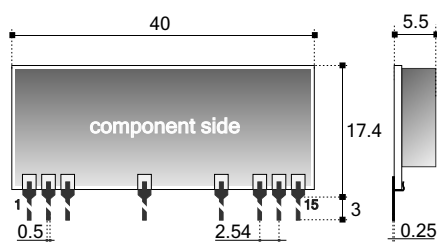
Ricevitore supereterodina di dati digitali modulati in FSK, operante alla frequenza di 433,92 Mhz. Elevata selettività e sensibilità garantiscono ottime prestazioni di immunità ai disturbi. Il modulo è pin-to-pin compatibile con la serie di ricevitori FSK AUREL.

Livello di uscita basso in assenza di portante.

### Block diagram



### Mechanical Dimensions



### Pin-out

- 1) +V
- 2) Ground
- 3) Antenna
- 7) Ground
- 13) Test point
- 14) Data Out
- 15) +V

All dimensions are in millimeters

# RX-4MF1

## 434 MHz FM FSK Low Cost 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	7	mA
F <sub>W</sub> Reception frequency		433.92		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		dB
S <sub>O</sub> Square wave output		2	3	KHz
H <sub>O</sub> Output high voltage	Vs-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

### 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	7	mA
F <sub>W</sub> Frequenza di ricezione		433.92		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		dB
S <sub>O</sub> Onda quadra in uscita		2	3	KHz
H <sub>O</sub> Livello alto d'uscita	Vs-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

#### Part Number / Model

650200855  
mod. RX-4MF1