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## RX-4M50RR30SF

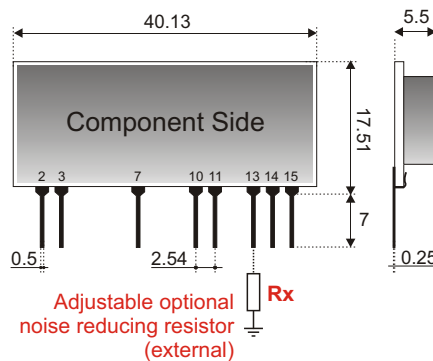
### Compatible with

- TX-4M30SA03IA
- TX-4M50SA05IA
- TX-4MAVSA10
- TX-4M30SA10
- TX-SAW 433/s-Z
- TX-SAW I.A.

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 **EN 300 220** and **ETS 300 683** (class 1). Max sensitivity without resistor on pin13. **1Mohm resistor** suggested for noise reduction suitable for most application (about 2 dBm sensitivity loss). **TETRA proof.**

*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 EN 300 220 ed ETS 300 683 (classe 1). Massima sensibilità senza resistenza sul pin13. Si suggerisce **Rx=1Mohm** per una riduzione del rumore accettabile alla maggioranza delle applicazioni (circa 2 dBm di perdita in sensibilità). Immune a disturbi **TETRA**.*

### Mechanical Dimensions

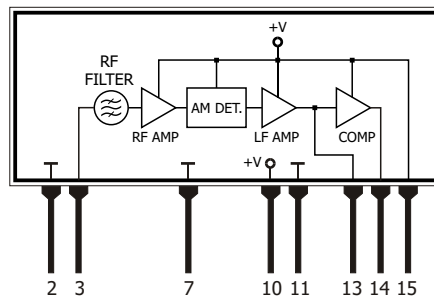


### Scale 1:1



Information subject to change without notice

### Block Diagram



### Pin-out

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

### Technical Specification

Ta = 25 °C

CHARACTERISTICS	MIN	TYP	MAX	UNIT
V <sub>s</sub> Supply Voltage • Alimentazione	4.75	5	5.25	Vdc
I <sub>s</sub> Supply Current • Corrente Assorbita	2.6	3	3.3	mA
F <sub>w</sub> Reception frequency • Frequenza di ricezione		433.92		MHz
S <sub>i</sub> RF sensitivity • Sensibilità RF	-97	-100	-102	dBm
B <sub>w</sub> RF bandwidth -3 dB • Banda RF a -3dB		600		KHz
R <sub>i</sub> Interference rejection • Reiezione a interferenze (F <sub>c</sub> ±10MHz)		-120		dB
S <sub>o</sub> Square wave output • Onda quadra in uscita	0.1	2.5	3	KHz
H <sub>o</sub> Output high voltage • Livello alto d'uscita	V <sub>s</sub> - 0.4			V
L <sub>o</sub> Output low voltage • Livello basso d'uscita			GND + 0.4	V
E <sub>A</sub> Antenna RF emission • Emissioni RF spurie in antenna			- 60	dBm
T <sub>ON</sub> Switch-on time • Tempo di accensione			2.5	s
T <sub>OP</sub> Operating temperature range • Temperatura di lavoro	-20		+80	°C

Order Code: 650200527