FM Super Het Receiver 433.92

LOW COST & HIGH SENSITIVITY

RX-FM4SF 433.92

P.N. 650201096G

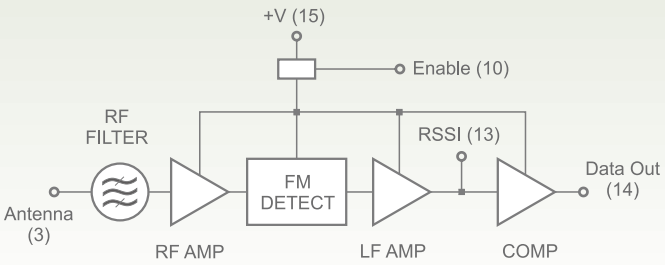
DESCRIZIONE

Ricevitore superterodina FM ad elevata sensibilità e selettività, munito di filtro SAW front-end che lo rende altamente immune ai disturbi. Grazie al pin di enable il ricevitore può assumere lo stato di power-down in assenza di segnale e minimizzare così il consumo a 0,5 µA. Ideale per codifica Keeloq di Microchip.

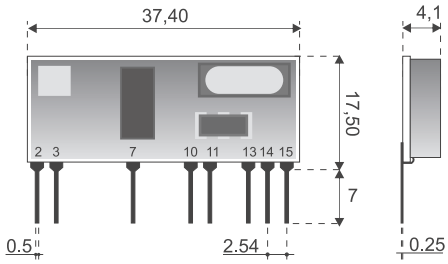
DESCRIPTION

High sensitivity and sensibility super-het receiver FM receiver. Front-end SAW filtered to an higher electromagnetic immunity. Enable pin allows to reach power-down mode without signal and reduce consumption up to 0.5 µA. Ideal for Microchip Keeloq encoders..

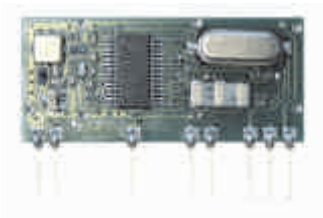
BLOCK DIAGRAM



DIMENSIONS



COMPONENT SIDE



PIN-OUT

2) Ground
3) Antenna
7) Ground
10) Enable
11) Ground
13) RSSI Out - Test point
14) Data Out
15) +V

APPLICATIONS

Home security
Access control
Burglar alarms
Car alarms

Information subject to change without notice

TECHNICAL SPECIFICATION

Ta = 25 °C

CHARACTERISTICS		MIN	TYP	MAX	UNIT
Supply Voltage	Alimentazione	4.5	5	5.5	Vdc
Supply Current	Corrente Assorbita		5.6	6.0	mA
Power-down	Power-down		0.5		µA
Reception frequency	Frequenza di ricezione		433.92		MHz
RF sensitivity (1)	Sensibilità RF (1)		-105	-106	dBm
RF Bandwidth - 3dB	Banda passante RF a - 3dB		600		KHz
IF Bandwidth - 3dB	Banda passante IF a - 3dB		110		KHz
Square wave output	Onda quadra in uscita	0.5	3.0	3.8	KHz
Logic level "1"	Livello logico alto d'uscita	0.8 Vd			V
Logic level "0"	Livello logico basso d'uscita			0.2 Vd	V
Antenna RF emission	Emissioni RF spurie in antenna			- 60	dBm
Switch-on time (2)	Tempo di accensione (2)		1.5	2	mS
Operating temperature range	Temperatura di lavoro	-20		+80	°C

(1) RF generator with 100% modulation
(2) Time needed to achieve declared features leaving power-down mode.

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