

FM Super Het Receiver 868.3

LOW COST & HIGH SENSITIVITY

RX-FM8SF

P.N. 650201097G

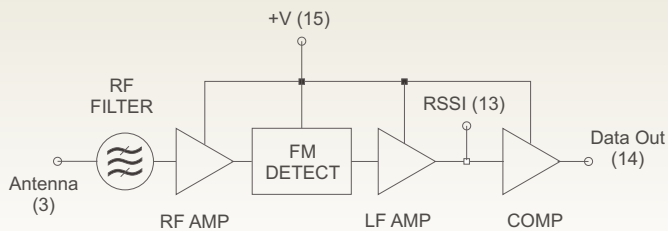
Descrizione

Ricevitore supereterodina 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 μ A. 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 μ A. Ideal for Microchip Keeloq encoders.

Block diagram



TECHNICAL SPECIFICATION

Ta = 25 °C

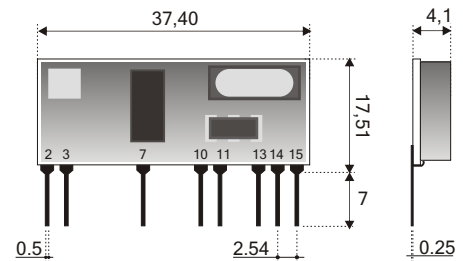
Characteristics	
Supply Voltage	Alimentazione
Supply Current	Corrente Assorbita
Power-down	Power-down
Reception frequency	Frequenza di ricezione
RF sensitivity ⁽¹⁾	Sensibilità RF ⁽¹⁾
RF Bandwidth - 3dB	Banda passante RF a - 3dB
IF Bandwidth - 3dB	Banda passante IF a - 3dB
Square wave output	Onda quadra in uscita
Output high voltage	Livello alto d'uscita
Output low voltage	Livello basso d'uscita
Antenna RF emission	Emissioni RF spurie in antenna
Switch-on time ⁽²⁾	Tempo di accensione ⁽²⁾
Operating temperature range	Temperatura di lavoro

⁽¹⁾ RF generator with 100% modulation

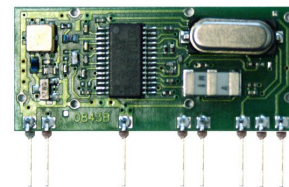
⁽²⁾ Time needed to achieve declared features leaving power-down mode.

Min	Typ	Max	Unit
4.75	5	5.25	Vdc
	5	6.5	mA
	0.5		μ A
	868.30		MHz
	-103	-104	dBm
	600		KHz
300			KHz
0.5	2.0	3.0	KHz
		0.2	Vd
0.8			Vd
		- 60	dBm
	1.5	2	mS
-20		+80	°C

Dimensions



Component Side



Pin-Out

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

Applications

- Home security
- Access control
- Burglar alarms
- Car alarms