FM Super-het Receiver 434.15

Low cost & high sensitivity

RX-FM4SF 434.15

Part Number: 650201108G

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.

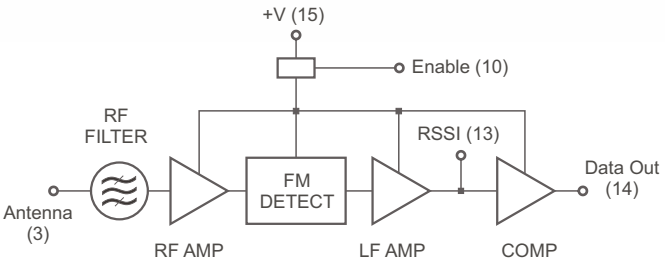
Da usare con trasmettitore dual band TX-FM 434/868 (P.N. 650201089G).

DESCRIPTION

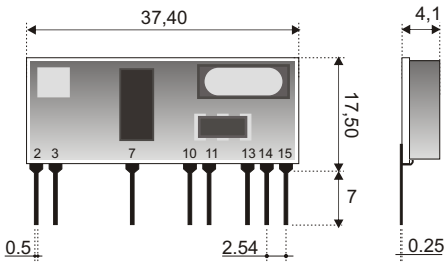
High sensitivity and sensibility super-het receiver FM receiver. Front-end SAW filtered to an higher electromagnetic immunity. Enable pin allows to reach power-down mode without signal and reduce consumption up to 0.5 µA. Ideal for Microchip Keeloq encoders.

To be used with dual band transmitter mod. TX-FM 434/868 (P.N. 650201089G).

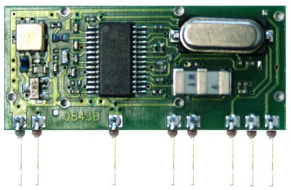
BLOCK DIAGRAM



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	CARATTERISTICHE	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		**434.15**		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
Output high voltage	Livello alto d'uscita	Vs - 1.2	Vs - 0.8		V
Output low voltage	Livello basso d'uscita			0.1	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.

AUREL S.p.A. • Via Foro dei Tigli, 4 • I 47015 Modigliana (FC) Italy • Phone : +39-0546.941124 • Fax : +39-0546.941660
http://www.aurelwireless.com • email: rfcomm@aurel.it