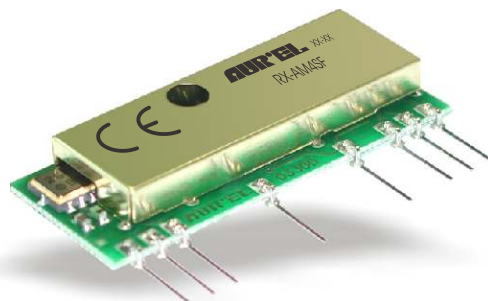


AM OOK 433.92
code sending

RX-AM4SF



434 MHz RSSI Super-Het Receiver



-109dBm*

Descrizione

Il ricevitore supereterodina RX-AM4SF è in grado di fornire un'uscita RSSI per indicare l'ampiezza del segnale captato.

Tale indicazione può essere sfruttata per implementare un misuratore di campo capace di segnalare la distanza a cui si trova l'oggetto trasmittente.

* Generatore RF con modulazione 100%.

Description

The super-heterodyne receiver RX-AM4SF can provide a RSSI output indicating the amplitude of the received signal.

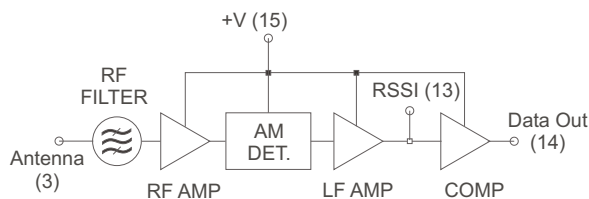
This output can be used to create a field-strength meter capable to indicate the distance of the transmitting unit.

* RF generator with 100% modulation

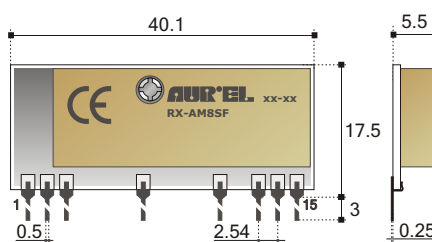
Applications

Gate door openers, Burglar alarms, Car alarms, Personal security, Home security, Remote controls.

Block diagram



Mechanical Dimensions



Pin-out

- 1) +Vcc Preamp
- 2) Ground
- 3) Antenna
- 7) Ground
- 11) Gain
- 13) RSSI Output
- 14) Data Output
- 15) +V

■ All dimensions are in millimeters

434 MHz RSSI Super-Het Receiver

Technical Specification

Ta = 25 °C

Characteristics	Min	Typ	Max	Unit
V _S Supply Voltage	4.75	5	5.25	Vdc
I _S Supply Current		6.5		mA
F _W Reception frequency		433.92		MHz
S _I RF sensitivity*		-109		dBm
RF _{BW} RF Bandwidth - 3dB		600		KHz
IF _{BW} IF Bandwidth - 3dB		300		KHz
S _O Square wave output		3		KHz
H _O Output high voltage		3.8		V
L _O Output low voltage			GND	V
E _A Antenna RF emission			- 60	dBm
T _{OP} Operating temperature range	-20		+80	°C

* RF generator with 100% modulation

Specifiche Tecniche

Ta = 25 °C

Caratteristiche	Min	Typ	Max	Unità
V _S Alimentazione	4.75	5	5.25	Vdc
I _S Corrente Assorbita		6.5		mA
F _W Frequenza di ricezione		433.92		MHz
S _I Sensibilità RF *		-109		dBm
RF _{BW} Banda passante RF a - 3dB		600		KHz
IF _{BW} Banda passante IF a - 3dB		300		KHz
S _O Onda quadra in uscita		3		KHz
H _O Livello alto d'uscita		3.8		V
L _O Livello basso d'uscita			GND	V
E _A Emissioni RF spurie in antenna			- 60	dBm
T _{OP} Temperatura di lavoro	-20		+80	°C

* Generatore RF con modulazione 100%.

Part Number / Model

650200701
mod. RX-AM4SF