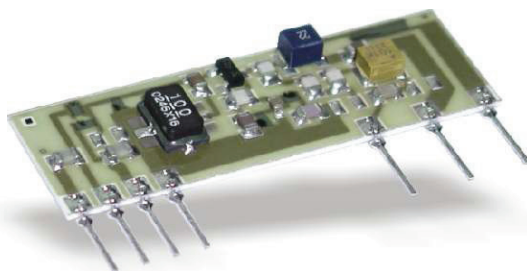


AM OOK 433.92 code sending

TX-SAW 433/s-Z
RFM



434 Mhz OOK Transmitter with dedicated antenna



Description

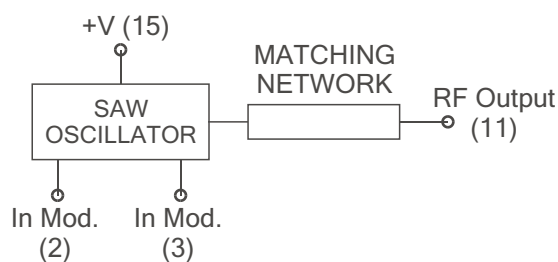
SAW transmitter module with external antenna ideal for applications when you need to modulate ON-OFF a RF carrier with digital signals.

In compliance with EN 300 220, EN 301 489 and EN 60950 European Standard .

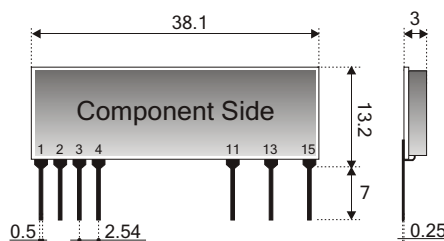
Applications

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

Block diagram



Mechanical Dimensions



Pin-out

- 1) Ground
- 2) Input mod.
- 3) Input mod.
- 4) Ground
- 11) RF Output
- 13) Ground
- 15) +V

434 Mhz OOK Transmitter

with dedicated antenna

Technical Specification

Ta = 25 °C

Characteristics	Min	Typ	Max	Unit
V _s Supply Voltage	4.5	5	5.5	Vdc
I _s Supply Current		4		mA
F _c Carrier frequency	433.82	433.92	434.02	MHz
P _o RF Output power (E.R.P.)			+10	dBm
E _s RF spurious emission		-50		dBm
Z _o RF Output Impedance		50		Ω
F _m Square wave modulation			4	KHz
L _i Input logic level	0		0.2	V
T _{OP} Operating temperature range	-20		+80	°C

Specifiche Tecniche

Ta = 25 °C

Caratteristiche	Min	Tip	Max	Unit
V _s Alimentazione	4.5	5	5.5	Vdc
I _s Corrente assorbita		4		mA
F _c Frequenza portante	433.82	433.92	434.02	MHz
P _o Potenza di uscita (E.R.P.)			+10	dBm
E _s Emissioni RF spurie		-50		dBm
Z _o Impedenza d'uscita RF		50		Ω
F _m Frequenza di modulazione			4	KHz
L _i Livello logico d'ingresso	0		0.2	V
T _{OP} Temperatura di lavoro	-20		+80	°C

Explicative table • Tabella di utilizzo

Power Supply Alimentazione (Vcc)	Pin 2 (V)	Pin 3 (V)	Modulation Frequency Frequenza di modulazione (KHz)	Output Power Potenza emessa (dBm)	Consumption Assorbimento (mA)
3 ÷ 5	S.W., O.Q. 0 ÷ Vcc	N.U. N.C.	3	3.5 ÷ 8	3.5 ÷ 7.5
5 ÷ 8	N.U. N.C.	S.W., O.Q. 0 ÷ 5	4	7.5 ÷ 10.5	3.5 ÷ 4
8 ÷ 12	S.W., O.Q. 0 ÷ 5	N.U. N.C.	4	12 ÷ 15	7.5 ÷ 9.5

S.W. = Square Wave ; N.U. = Not Used
O.Q. = Onda Quadra ; N.C. = Non Collegato

Part Number / Model

650200689
mod. TX-SAW 433/s-Z RFM