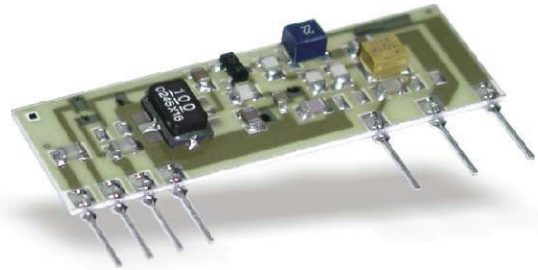


434 Mhz OOK Transmitter with dedicated antenna



Description

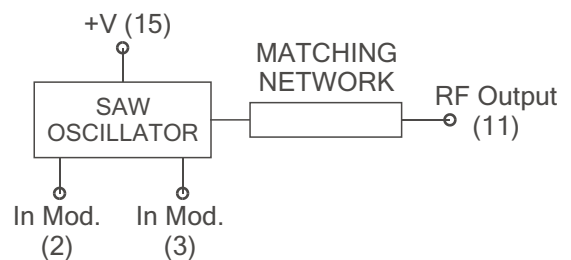
SAW transmitter module with external antenna ideal for applications when you need to modulate ON-OFF a RF carrier with digital signals.

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

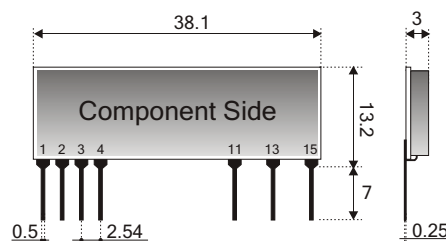
Applications

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

Descrizione

Modulo trasmettitore SAW con antenna esterna per applicazioni con modulazione ON-OFF di una portante RF con dati digitali.

Conforme alle Normative Europee EN 300 220, EN 301 489 ed EN 60950.

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