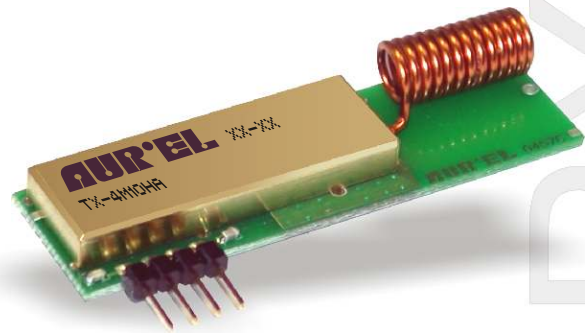


# 434 Mhz OOK Transmitter with helical antenna



## Description

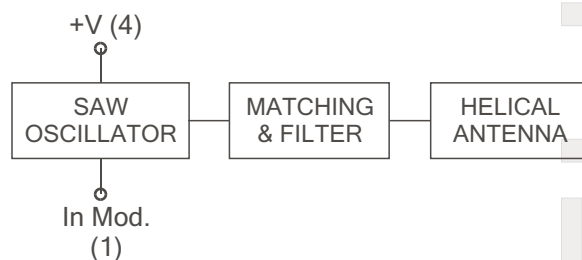
SAW transmitter module with helical antenna ideal for applications where it is required maximum irradiated power and minimal space occupation.

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

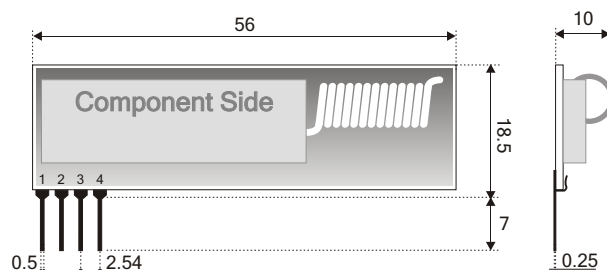
## Applications

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

## Block diagram



## Mechanical Dimensions



### Pin-out

- 1) Input mod.
- 2) Ground
- 3) Ground
- 4) +V

# 434 Mhz OOK Transmitter with helical antenna

## Technical Specification

Ta = 25 °C

Characteristics	Min	Typ	Max	Unit
V <sub>s</sub> Supply Voltage	2.5	3	3.3	Vdc
I <sub>s</sub> Supply Current (*)		25		mA
F <sub>c</sub> Carrier frequency	433.82	433.92	434.02	MHz
P <sub>o</sub> RF Output power (E.R.P.)			+10	dBm
E <sub>s</sub> RF spurious emission		-50		dBm
F <sub>M</sub> Square wave modulation			5	KHz
L <sub>H</sub> High logic level	2.7		3.3	V
L <sub>L</sub> Low logic level	0		0.2	V
T <sub>OP</sub> Operating temperature range	-20		+80	°C

(\*) Duty Cycle 50%

## Specifiche Tecniche

Ta = 25 °C

Caratteristiche	Min	Tip	Max	Unit
V <sub>s</sub> Alimentazione	2.5	3	3.3	Vdc
I <sub>s</sub> Corrente assorbita (*)		25		mA
F <sub>c</sub> Frequenza portante	433.82	433.92	434.02	MHz
P <sub>o</sub> Potenza di uscita (E.R.P.)			+10	dBm
E <sub>s</sub> Emissioni RF spurie		-50		dBm
F <sub>M</sub> Frequenza di modulazione			5	KHz
L <sub>H</sub> Livello logico alto (@Vs=3V)	2.7		3.3	V
L <sub>L</sub> Livello logico basso (@Vs=3V)	0		0.2	V
T <sub>OP</sub> Temperatura di lavoro	-20		+80	°C

(\*) Duty Cycle 50%

Part Number / Model

Mod. TX-4MHP