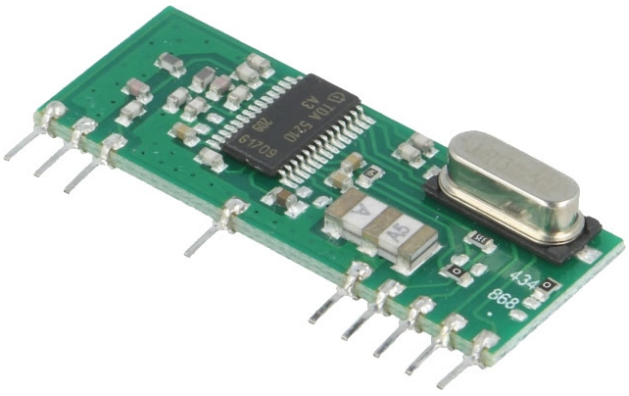
Radiocontrolli
Wireless Modules

AM Superhet Receiver Module



RCASK2-XXX is an AM Radio Receiver Module with PLL Synthesizer and crystal oscillator.
Single Line Package with power down mode.

RF Sensitivity = 107dBm

Applications :

- *Wireless security systems*
- *Home and building automation*
- *Automatic Measure Reading*
- *Wireless Sensor Network*

Module Information:

RCASK2-XXX

Frequency

434=433.92MHz
868=868.35MHz

Technical Characteristics

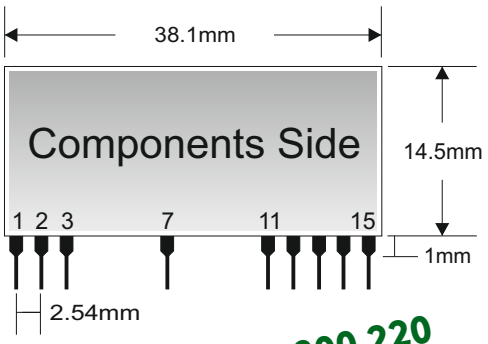
Characteristics		MIN	TYP	MAX	UNIT
V_{cc}	Supply Voltage	4.5		5.5	Vdc
I_s	Supply Current (Operation mode)		5.0	6.0	mA
I_s	Supply Current (Shut down mode)			100	nA
F	Frequency		433.92 / 868.35		MHz
D	Max Data Rate			4.8	Kbit/s
S	RF Sensitivity		-107 / -103		dBm
B	3dB Bandwith		± 150		KHz
L	Level of emitted spectrum			-70	dBm
T	Power Up Time (from Power to stable data)			8	ms
T1	Power Up Time1 (from PD to stable data)			5	ms
TE	Operating Temperature Range	-20		+80	°C

Pin Description

Pads	Name	Description
1	VCC	Vcc Power
2	GND	Ground
3	IN	Antenna
7	GND	Ground
11	GND	Ground
12	VCC	Vcc Power
13	TP/RSSI	Test Point / RSSI
14	OUT	Data Out
15	PD	Power down

PD = LOW ----> RX OFF
PD = HIGH ----> RX ON

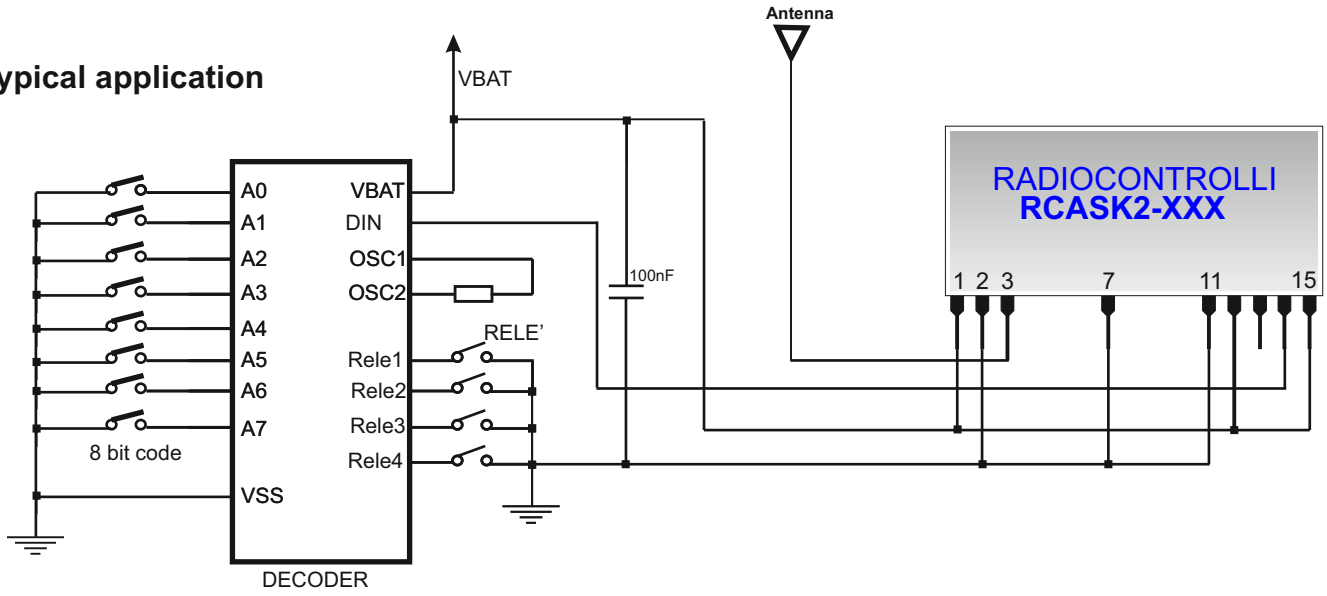
Mechanical Dimensions



ETSI EN 300 220 COMPLIANCE

Radiocontrolli s.r.l refuses any responsibility for irregular uses of the devices and for any possible lack or inaccuracy of the data and reserves the right to change in whole or in part these information without notice.

Typical application



Radiocontrolli s.r.l refuses any responsibility for irregular uses of the devices and for any possible lack or inaccuracy of the data and reserves the right to change in whole or in part these information without notice.