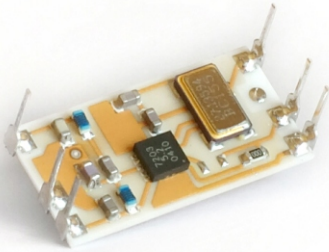


## RTQ6-XXX

### ASK Radio Transmitter with Crystal Oscillator and External Antenna



#### General description

The RTQ6-XXX is an hybrid circuit that allows to realize a complete radio transmitter adding a coding circuit.

It shows stable electric characteristics thanks to the "Thick film hybrid" technology.

XXX : working frequency ( 433.92 ,868.35,868.525 MHz)

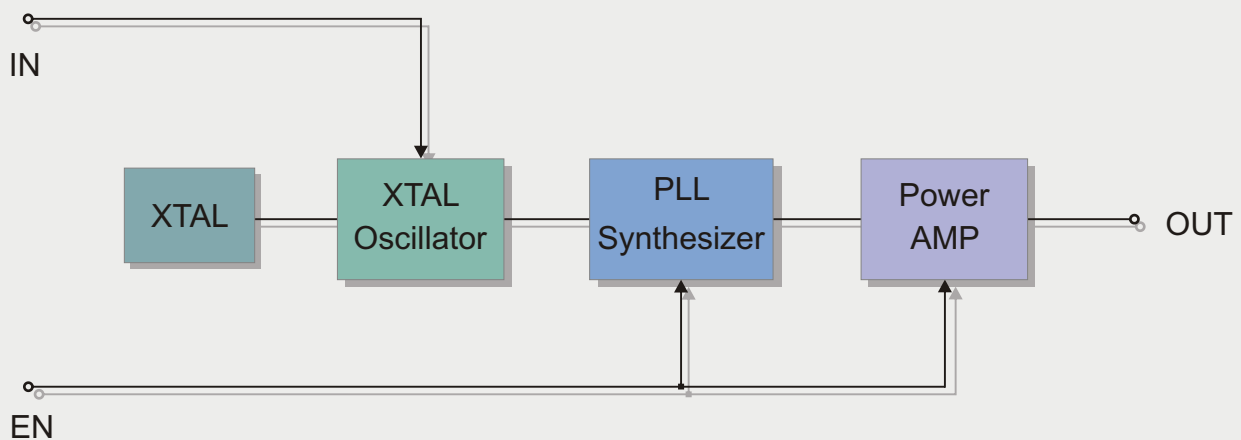
#### Features

- High Reliability
- DIL Package

#### Applications

- Wireless security systems
- Car Alarm systems
- Remote gate controls
- Sensor reporting

#### BLOCK DIAGRAM



## Electrical Characteristics

Ta = 25°C unless otherwise specified

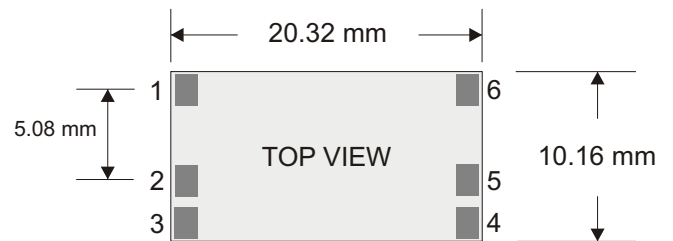
CHARACTERISTICS		MIN	TYP	MAX	UNIT
V <sub>CC</sub>	Supply Voltage	1.9		5.5	VDC
I <sub>S</sub>	Supply Current (V <sub>CC</sub> =5V IN=1KHz Square Wave)		9		mA
I <sub>STANDBY</sub>	Standby Supply Current (IN = EN = Low)		50	100	nA
F <sub>W</sub>	Working Frequency		433.92 / 868.35		MHz
	Frequency Accuracy		+/- 35		KHz
P <sub>O</sub>	RF Output Power into 50Ω (V <sub>CC</sub> = 5V)	+4	+7		dBm
	Harmonic Spurious Emission		-50		dBc
V <sub>IL</sub>	Input Low Voltage			0.3*V <sub>CC</sub>	V
V <sub>IH</sub>	Input High Voltage	0.7*V <sub>CC</sub>			V
	Max Data Rate			9.6	Kbit/s
	Power-Up Time (EN → full RF)			1	msec
T <sub>OP</sub>	Operating Temperature Range	-25		+80	°C

EN	IN	STATE
L	L	Power Down Mode
H	H / L	Transmit Mode

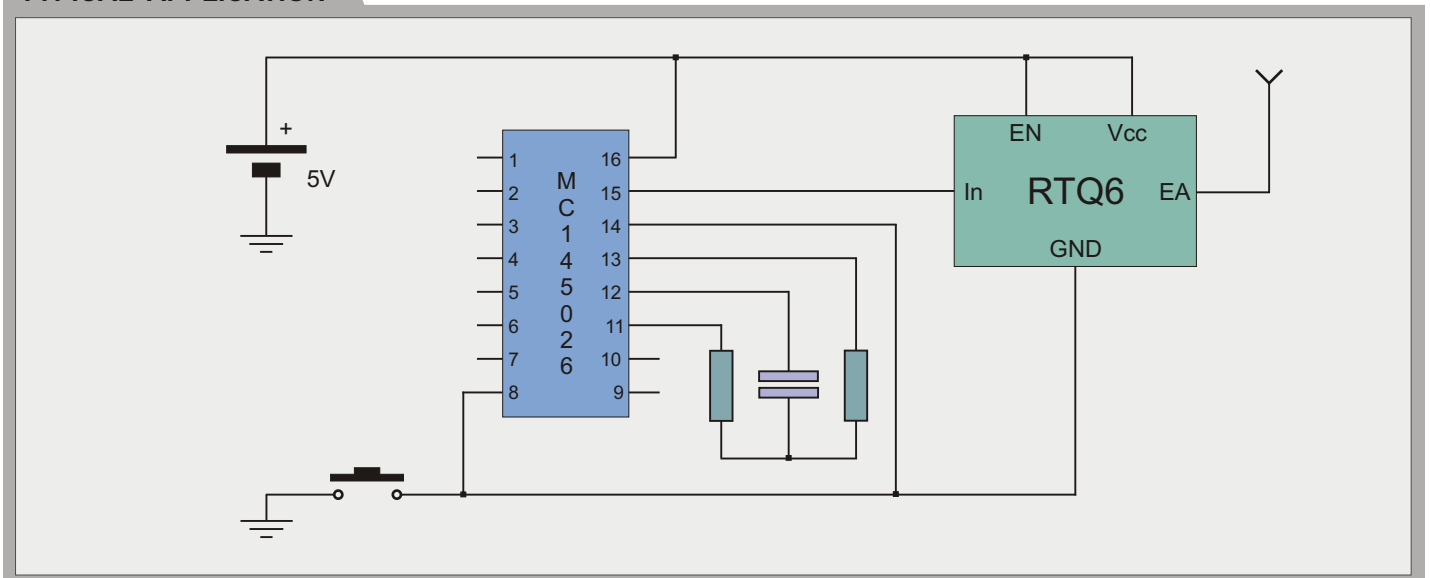
### Pin Description

1	EN	Enable	4	V <sub>CC</sub>	Supply Voltage
2	IN	Data In	5	GND	Ground
3	GND	Ground	6	EA	External Antenna

### Mechanical Dimensions



### TYPICAL APPLICATION



Telecontrolli Srl has an on going policy to improve the performance and reliability of their products; we therefore reserve the right to make changes without notice. The information contained in our data sheets is believed to be accurate, however we do not assume any liability arising from the application or use of any product or circuit.



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