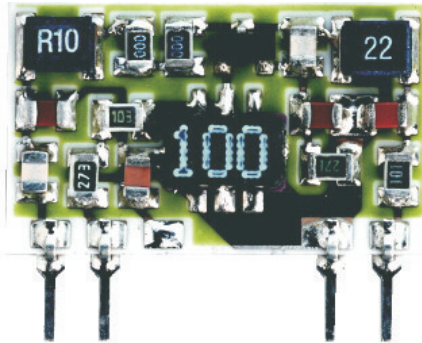


## RT5-XXX

### Radio Transmitter Module with SAW Resonator and External Antenna



#### General description

The RT5-XXX is a 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 (315, 418, 433.92 MHz)

#### I-ETS 300 220 Compliance (RT5-433.92-IETS)

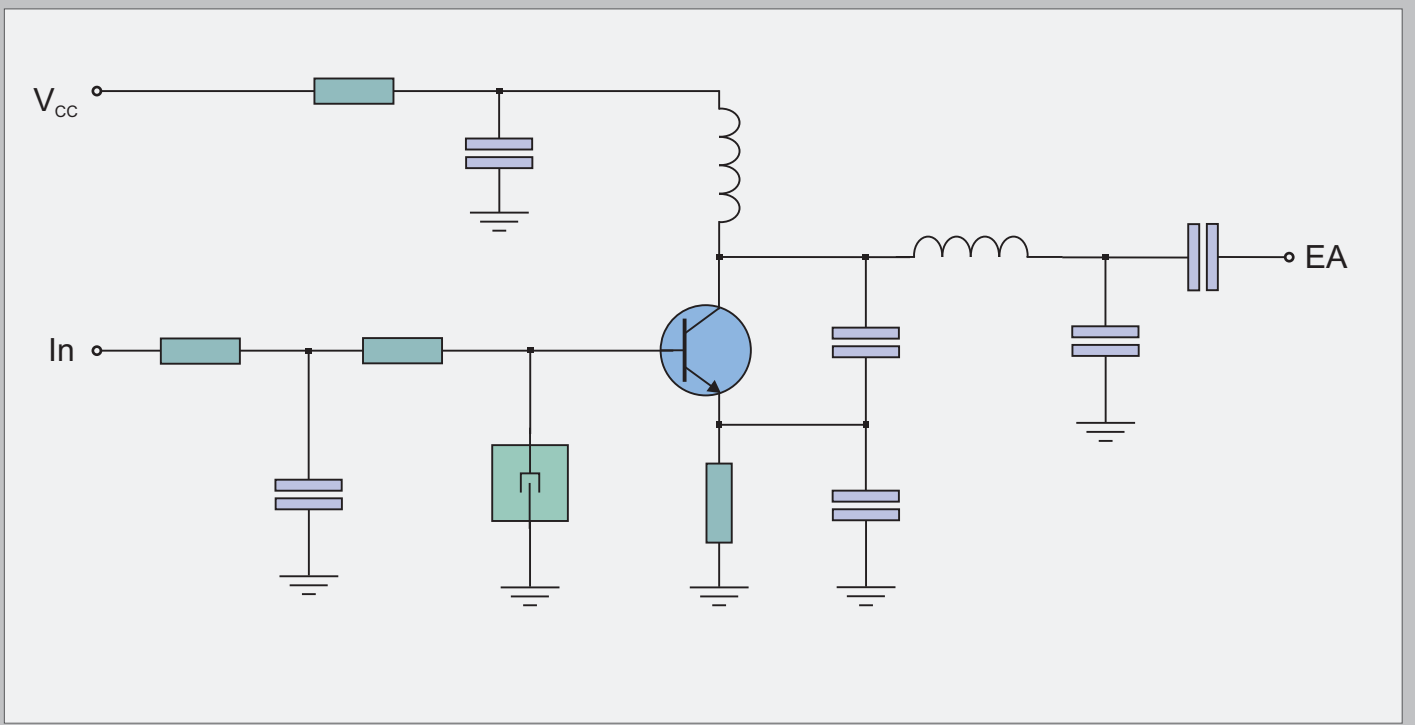
#### Features

- High Reliability
- SIL Package

#### Applications

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

#### CIRCUIT SCHEMATIC



## Electrical Characteristics

Ta = 25°C unless otherwise specified

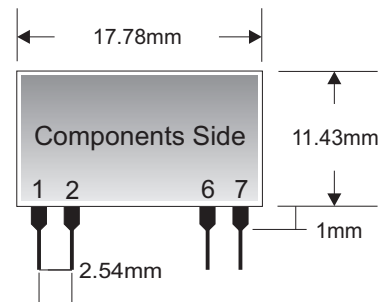
CHARACTERISTICS		MIN	TYP	MAX	UNIT
V <sub>CC</sub>	Supply Voltage	2		14	VDC
I <sub>S</sub>	Supply Current (V <sub>CC</sub> =5V IN=1KHz Square Wave)		3		mA
F <sub>W</sub>	Working Frequency	303.8		433.92	MHz
P <sub>O</sub>	RF Output Power into 50Ω (Vi=5V, V <sub>CC</sub> =12V)		7	10	dBm
	Harmonic Spurious Emission		-45		dBc
V <sub>IH</sub>	Input High Voltage	2		V <sub>CC</sub>	V
	Max Data Rate			9.6	Kbit/s
T <sub>OP</sub>	Operating Temperature Range	-25		+80	°C

Typically, equipment utilizing this device requires emissions testing and government approval, which is the responsibility of the equipment manufacturer.

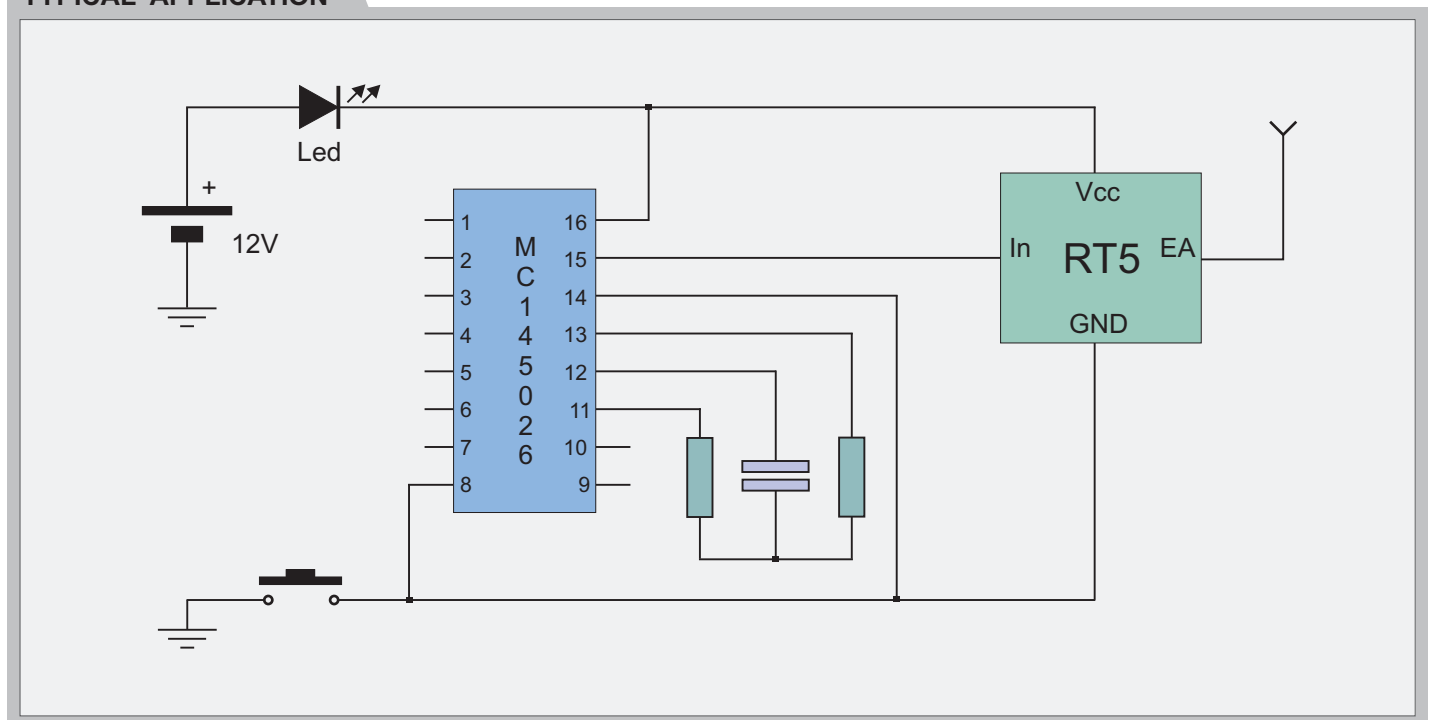
## Pin Description

1	EA	External Antenna
2	IN	Modulation Input
6	GND	Ground
7	VCC	Supply Voltage

## 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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