

RT6-XXX

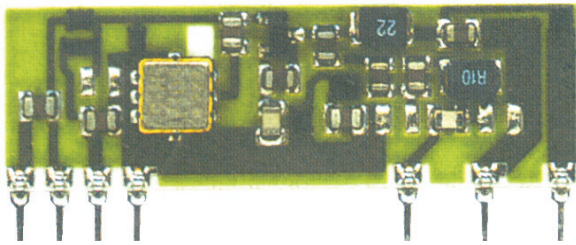
Radio Transmitter Module with SAW Resonator and External Antenna

General description

The RT6-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)



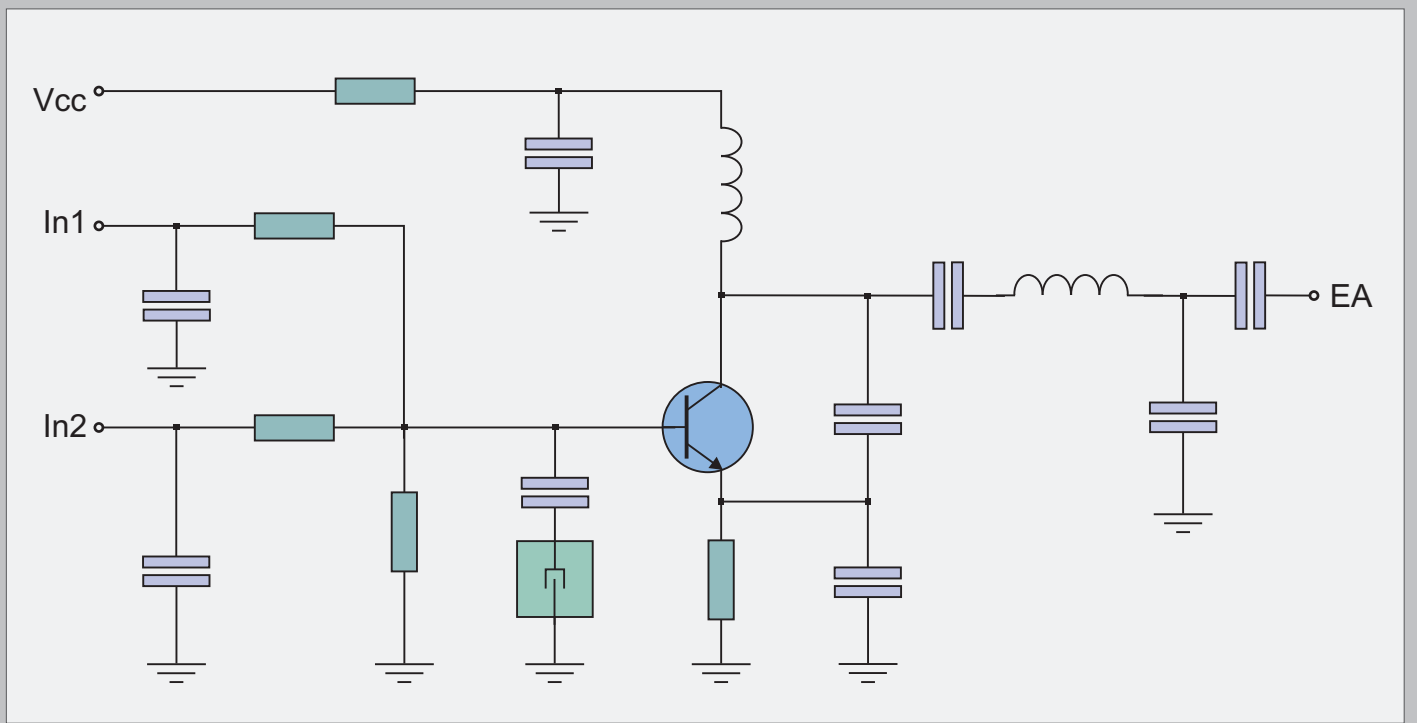
Features

- + 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 _{cc}	Supply Voltage	2.7		14	VDC
I _s	Supply Current (IN=1KHz Square Wave)		See Table		mA
F _w	Working Frequency	303.8		433.92	MHz
P _o	RF Output Power into 50Ω		See Table		dBm
	Harmonic Spurious Emission		-50		dBc
V _{IH}	Input High Voltage	2.5		V _{cc}	V
	Max Data Rate			9.6	Kbps
T _{OP}	Operating Temperature Range	-25		+80	°C

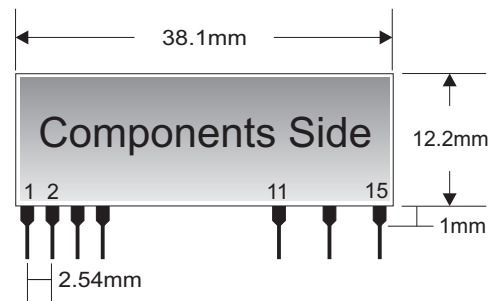
RF Output Power

V _{cc} (V)	IN1	IN2	P _o (dBm)	I _s (mA)
3 ÷ 5	0 ÷ V _{cc}	NC	3 ÷ 8	3 ÷ 7
5 ÷ 8	NC	0 ÷ 5	7 ÷ 10	3 ÷ 4
8 ÷ 12	0 ÷ 5	NC	12 ÷ 15	7 ÷ 9

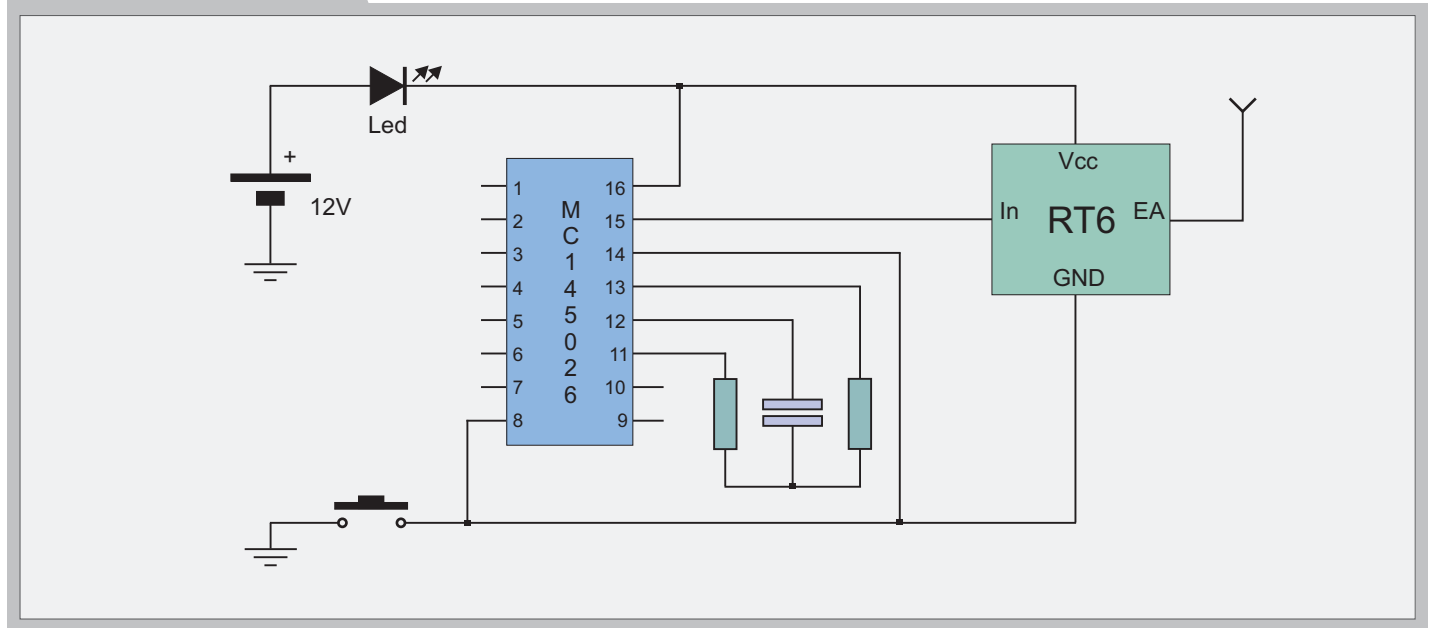
Pin description

1 GND	4 GND	15 Vcc
2 IN1	11 EA	
3 IN2	13 GND	

Mechanical Dimensions



TYPICAL APPLICATION



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Web Site: www.telecontrolli.com

HEAD OFFICE & PLANT

Via Nazionale delle Puglie, 177
80026 CASORIA (NA), Italy
Tel: +39 081 7599033
Fax: +39 081 7596494

SALES OFFICE

sales @ telecontrolli.com