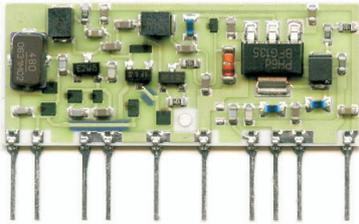


TX-433-SawBoost

400/800 mW Transmitter Module with SAW Resonator and External Antenna



General description

The TX-433-SawBoost is an hybrid circuit that allows to realize a complete radio transmitter adding a coding circuit.

Output Power: 400mW@Vcc=12V
800mW@Vcc=18V

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

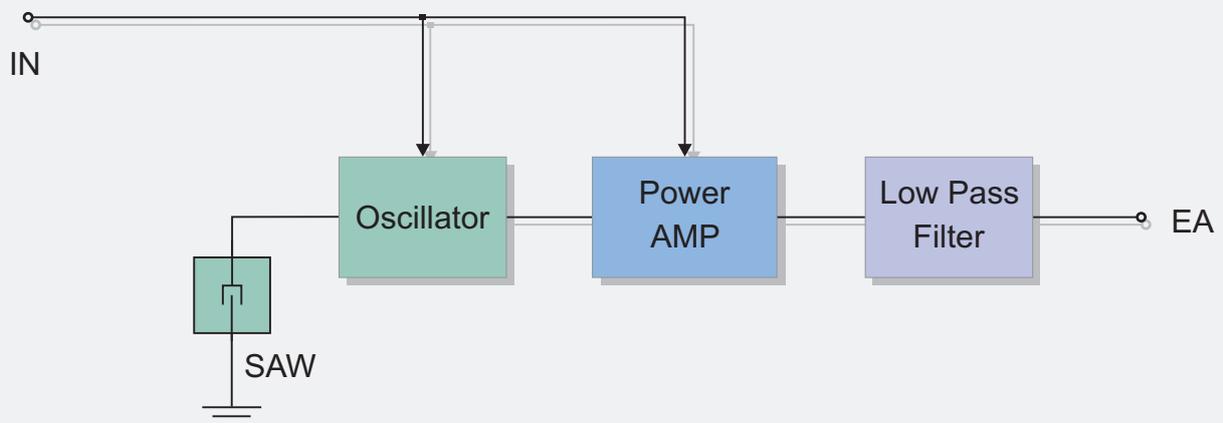
Features

- 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

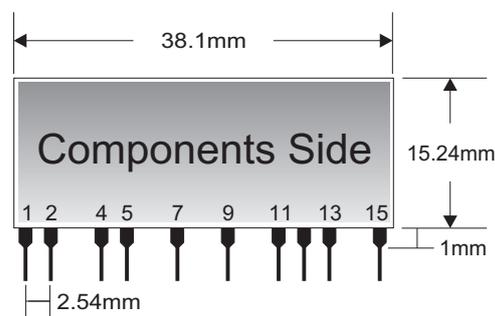
CHARACTERISTICS		MIN	TYP	MAX	UNIT
V _{CC}	Supply Voltage	12		18	VDC
I _S	Supply Current (V _{IN} =5V IN=1KHz Square Wave)	60		80	mA
F _W	Working Frequency		433.92		MHz
P _O	RF Output Power into 50Ω (Vi=5V, Vcc=12V)	25	26		dBm
P _O	RF Output Power into 50Ω (Vi=5V, Vcc=18V)	28	29		dBm
V _{IH}	Input High Voltage	2		5	V
	Max Data Rate			8	Kbit/s
T _{OP}	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.

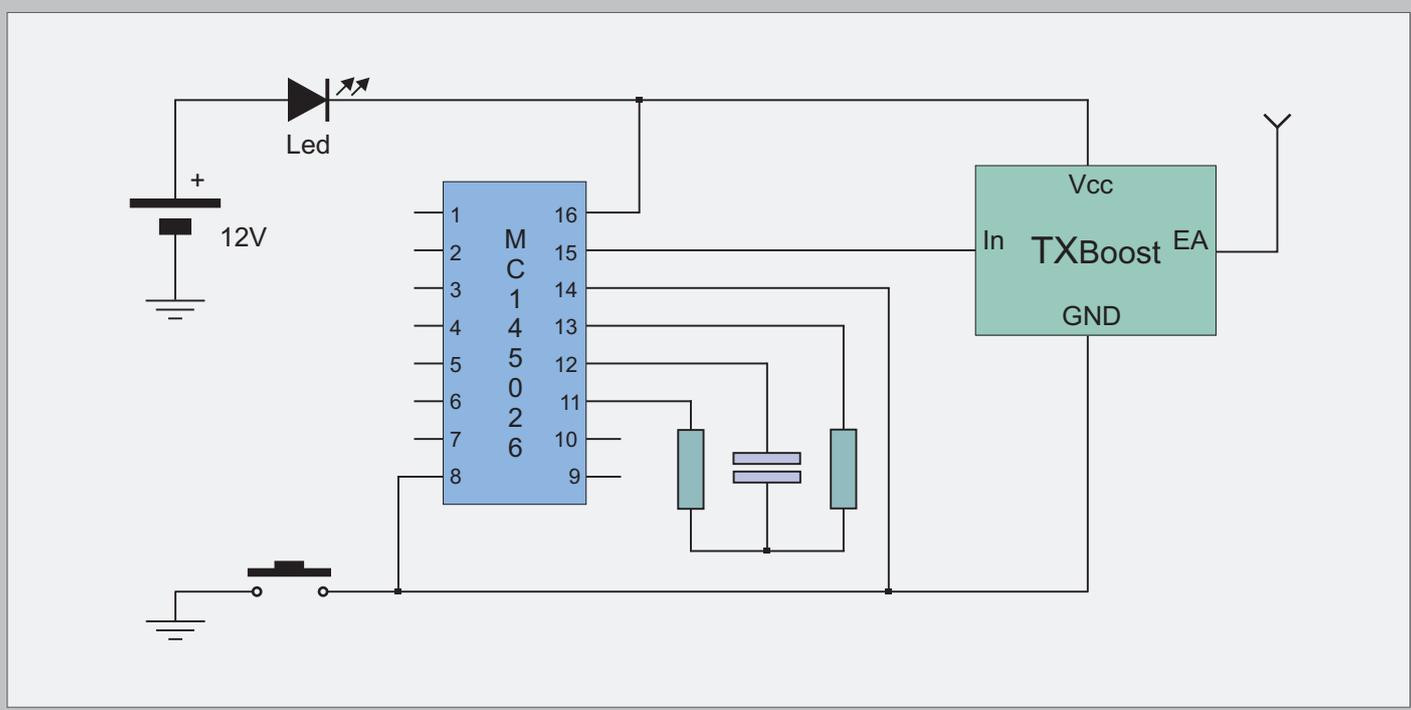
Pin Description

1	GND	9	GND
2	IN	11	EA
4	GND	12	GND
5	GND	13	GND
7	GND	15	V _{CC}

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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