

RTF2-XXX

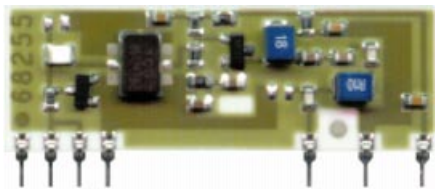
FSK Radio Transmitter Module with SAW Resonator and External Antenna

General description

The RTF2-XXX is an hybrid circuit that allows to realize a complete FSK radio transmitter adding a coding circuit.

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

Up to 250 meters range with RRF1-XXX receiver.



XXX: custom-specified working frequency (315, 418, 433.92 MHz)

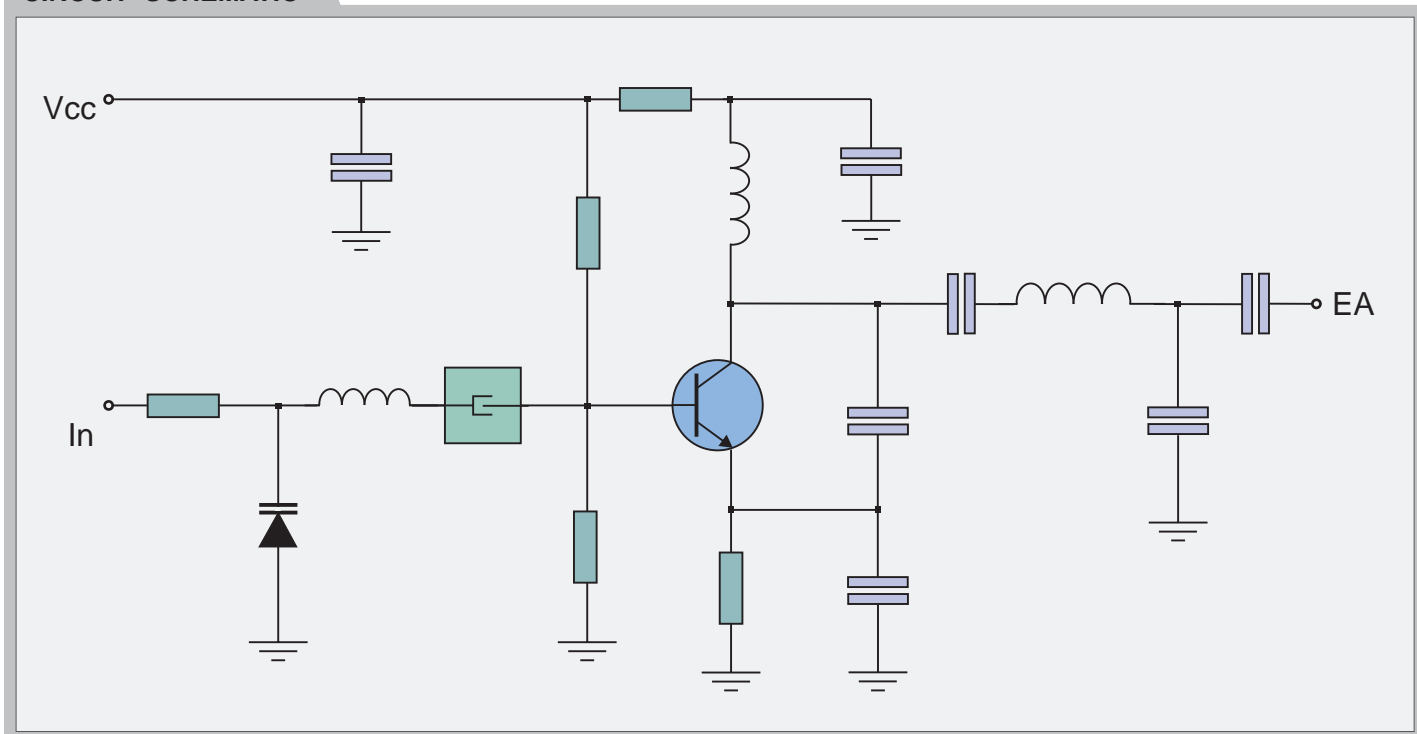
Features

- High Reliability
- SIL Package

Applications

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

CIRCUIT SCHEMATIC



Electrical Characteristics

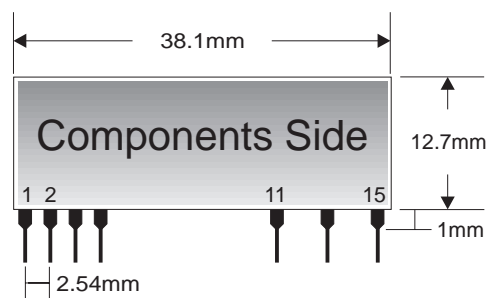
Ta = 25°C unless otherwise specified

| CHARACTERISTICS | | MIN | TYP | MAX | UNIT |
|-----------------|-----------------------------|-----|-----|-----------------|------|
| V _{CC} | Supply Voltage | 2.7 | | 14 | VDC |
| I _S | Supply Current | | 15 | | mA |
| ΔF | Frequency Deviation | | 50 | | KHz |
| P _O | RF Output Power into 50Ω | | +7 | | 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 |

Pin description

- 1 GND
- 2 IN
- 3 IN
- 4 GND
- 11 EA
- 13 GND
- 15 Vcc

Mechanical Dimensions



TYPICAL APPLICATION

