

## RTQ4-XXX

ASK Radio Transmitter with Crystal Oscillator and External Antenna

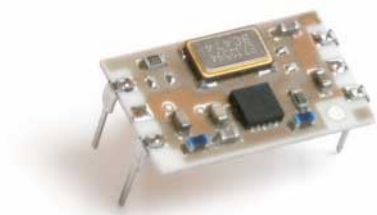
### General description

The RTQ4-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, 915 MHz)

Pin out compatible with RT4 Transmitter



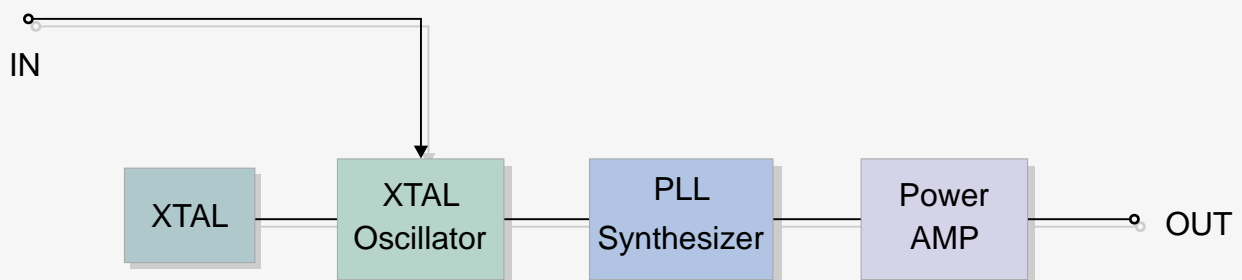
### Features

- High Reliability
- DIL Package

### Applications

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

### BLOCK DIAGRAM



## Electrical Characteristics

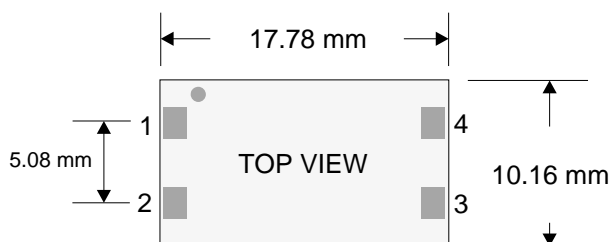
Ta = 25°C unless otherwise specified

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> =4V IN=1KHz Square Wave)		12		mA
F <sub>w</sub>	Working Frequency		433.9 / 868.35		MHz
P <sub>o</sub>	RF Output Power into 50Ω (V <sub>CC</sub> = 4.0V)	+5	+7		dBm
	Initial Frequency Accuracy	-35	0	+35	KHz
	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 (V <sub>CC</sub> → full RF)			1	msec
T <sub>OP</sub>	Operating Temperature Range	-25		+80	°C

## Pin Description

1	V <sub>CC</sub>	Supply Voltage
2	GND	Ground
3	IN	Modulation Input
4	EA	External Antenna

## Mechanical Dimensions



## TYPICAL APPLICATION

