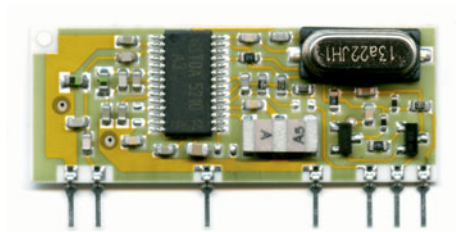




## RRQ6-XXX

AM Superhet Receiver with Crystal Oscillator  
and output monostable circuit



### General description

The RRQ6-XXX is an AM superhet data receiver with PLL synthesizer and crystal oscillator.

A monostable circuit is realized to cancel short impulses that can be present in the received signal and to restore impulses integrity.

IF Frequency: 10.7MHz

Typical sensitivity: -107 dBm

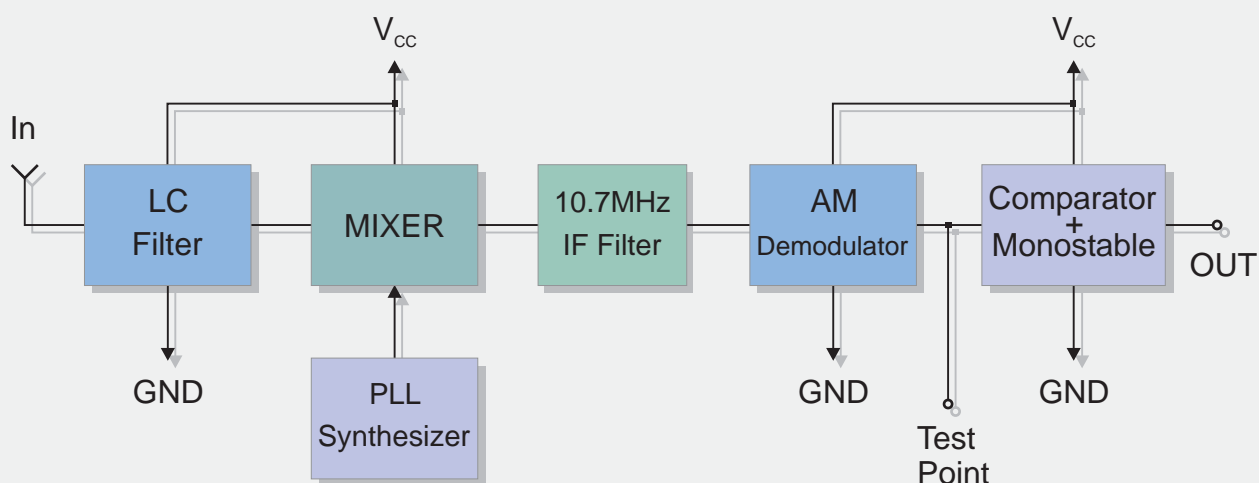
Supply current: 5 mA (typ)

**XXX:** custom-specified working frequency  
( 315, 433.92, 868.35 MHz)

### Applications

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

### BLOCK DIAGRAM



## Electrical Characteristics

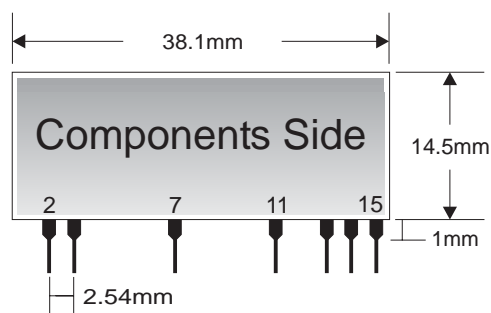
Ta = 25°C unless otherwise specified

CHARACTERISTICS		MIN	TYP	MAX	UNIT
V <sub>CC</sub>	Supply Voltage	4.5	5	5.5	VDC
I <sub>S</sub>	Supply Current		5	6	mA
F <sub>R</sub>	Receiver Frequency		315/433.9/868.35		MHz
	RF Sensitivity (100% AM)		-107 / -107 / -103		dBm
B <sub>w</sub>	-3dB Bandwidth		±150		KHz
	Max Data Rate			2.4	Kbit/s
	Level of Emitted Spectrum			-70	dBm
V <sub>ol</sub>	Low-Level Output Voltage			0.05	V
V <sub>oh</sub>	High-Level Output Voltage	V <sub>CC</sub> - 1			V
T <sub>OP</sub>	Operating Temperature Range	-25		+80	°C

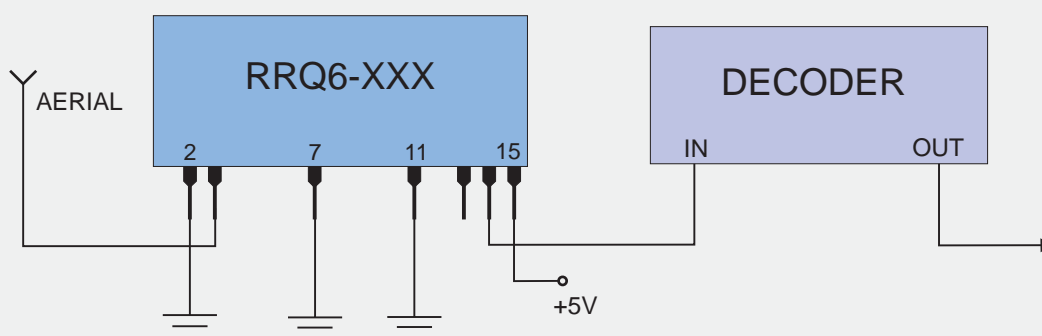
## Pin Description

2	GND
3	IN
7	GND
11	GND
13	Test Point
14	OUT
15	V <sub>CC</sub>

## 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.