

**RRQ6-XXX**

AM Superhet Receiver with Crystal Oscillator  
and output monostable circuit

**General description**

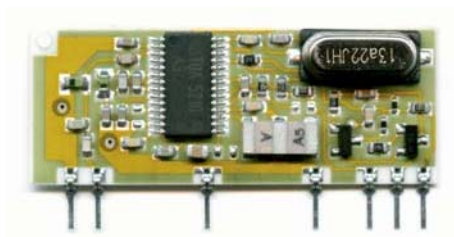
The RRQ6-XXX is an AM superhet data receiver with PLL synthesizer and crystal oscillator.

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

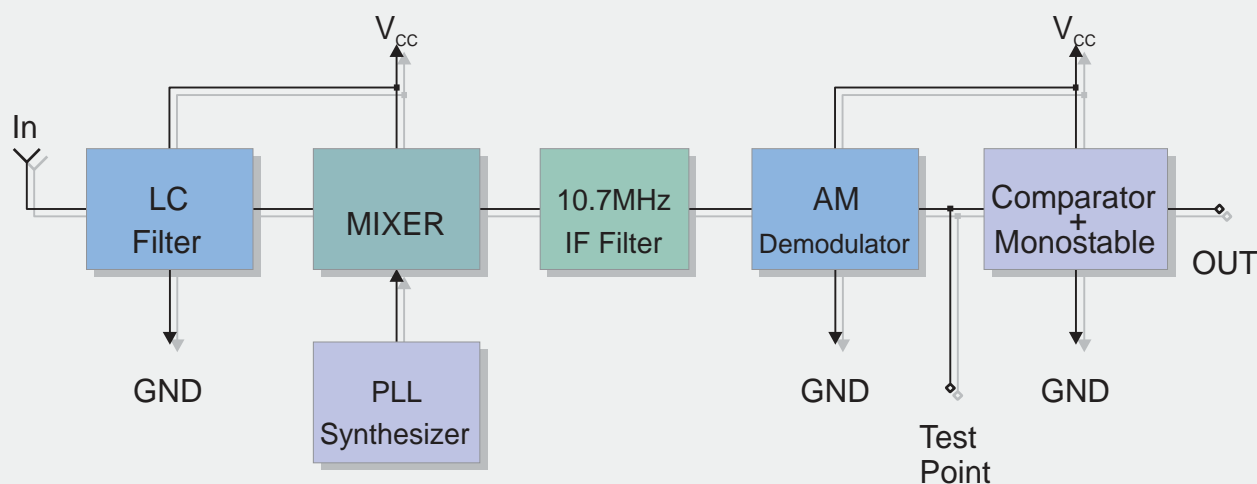
Supply current: 5 mA (typ)



**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

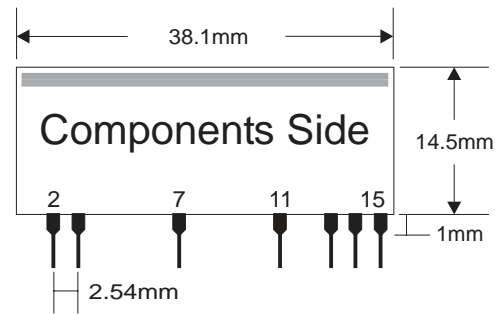
Ta = 25°C unless otherwise specified

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

