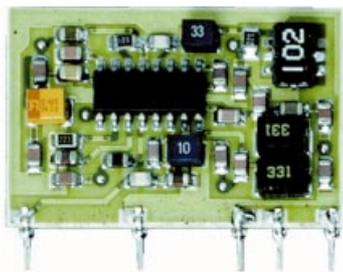


RRS2-XXX

AM Superhet Receiver



General description

The RRS2-XXX is an AM superhet data receiver with LC Front End Filter.

IF Frequency: 500KHz

Typical sensitivity: -102dBm (1.8uVrms)

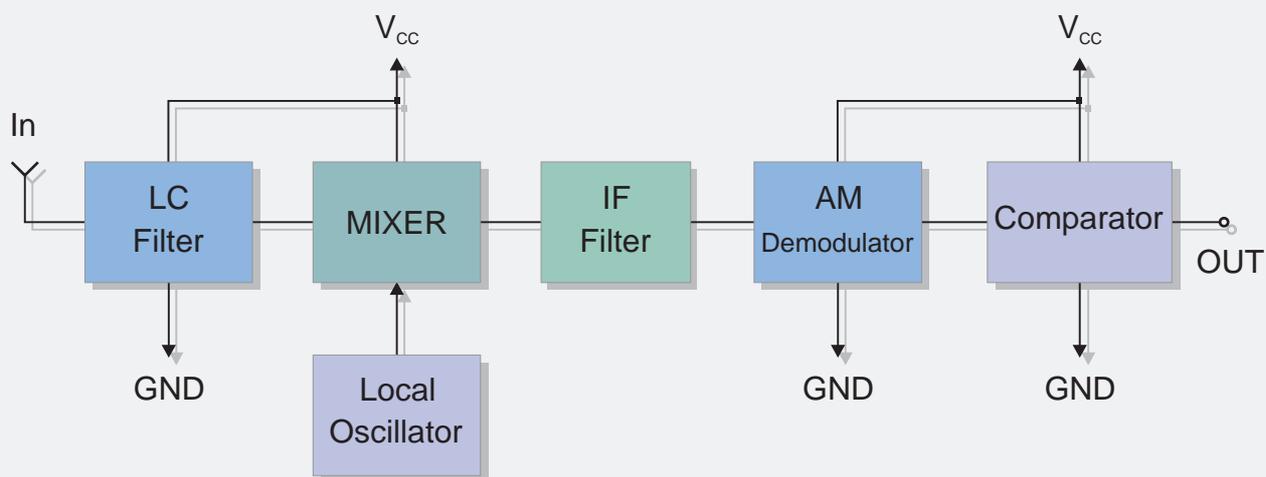
Supply current: 3.7 mA (typ)

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

Applications

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

BLOCK DIAGRAM



Electrical Characteristics

Ta = 25°C unless otherwise specified

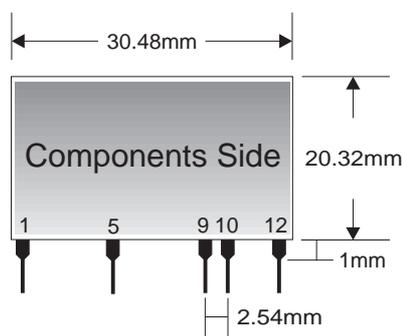
CHARACTERISTICS		MIN	TYP	MAX	UNIT
V _{CC}	Supply Voltage	4.5	5	5.5	VDC
I _S	Supply Current		3.7	5	mA
F _R	Receiver Frequency		315/418/433.92		MHz
F _{IF}	IF Frequency		500		KHz
	Max Data Rate			3	KHz
	RF Sensitivity (100% AM)*		-102		dBm
	Level of Emitted Spectrum		-50		dBm
V _{ol}	Low-Level Output Voltage (I=-200uA)			0.6	V
V _{oh}	High-Level Output Voltage (I=10uA)	V _{CC} - 0.5			V
T _{OP}	Operating Temperature Range	-25		+80	°C

* Best Performances are obtained utilizing a transmitted coding with a DC average value independent of the data content (BiPhase Manchester coding)

Pin Description

1	IN
5	GND
9	GND
10	VCC
12	OUT

Mechanical Dimensions



TYPICAL APPLICATION

