

# Saw filtered High Immunity Super Het OOK Receiver

433.92 Mhz superhet receiver RED compliant  
(Radio Equipment Directive 2014/53/EU)



## RX-4MR50++/F

P.N. 650201536G

### DESCRIZIONE

Ricevitore economico OOK operante a 433.92 Mhz con filtri saw passa banda, compatibile con la RED (Radio Equipment Directive 2014/53/EU) e in particolare con le norme armonizzate:

- EN 301 489-3 : V2.1.1 (final draft)
- EN 300 220-2 : V3.1.1

Ingresso antenna protetto da scariche ESD, conforme alla normativa 61000-4-2.

Ideale per applicazioni dove sia richiesta immunità ai disturbi generati dai motori a spazzole.

### DESCRIPTION

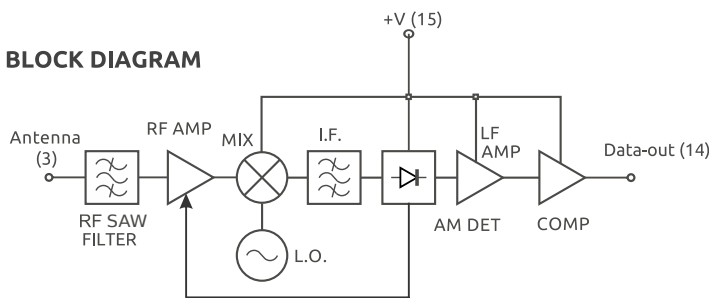
Low cost OOK receiver working at 433.92 Mhz with band pass saw filter, compliant with RED (Radio Equipment Directive 2014/53 / EU) and in particular with harmonized standard:

- EN 301 489-3 : V2.1.1 (final draft)
- EN 300 220-2 : V3.1.1

ESD antenna protection in compliance with EN61000-4-2.

Suitable for high immunity application to noise generated by brush motor.

### BLOCK DIAGRAM



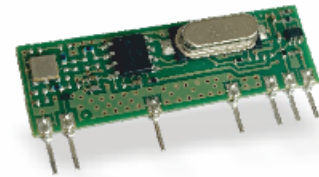
### TECHNICAL SPECIFICATION

Ta = 25 °C

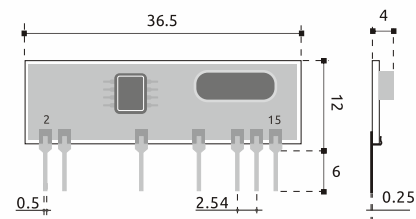
CHARACTERISTICS		MIN	TYP	MAX	UNIT
Supply Voltage	Alimentazione	3	5	5.5	Vdc
Supply Current	Corrente Assorbita	4.1	4.3	4.6	mA
Reception frequency	Frequenza di ricezione		433.92		MHz
RF sensitivity*	Sensibilità RF*		-110	-114	dBm
IF Bandwidth - 3dB	Banda passante IF a - 3dB		420		KHz
RF power on 50 Ohm pin ant.	Potenza RF su 50 Ohm pin ant.			-60	dBm
Square wave output	Onda quadra in uscita	0.020	1	3	KHz
Output high voltage	Livello alto d'uscita	Vcc-0.6		Vcc-0.1	V
Output low voltage	Livello basso d'uscita	GND		GND+0.4	V
Switch on time	Tempo di accensione			4	msec
Operating temperature range	Temperatura di lavoro	-20		+85	°C

- \* RF generator with 100% modulation
- \* Generatore RF con modulazione 100%

### COMPONENT SIDE



### DIMENSIONS



### PIN-OUT

- 2) Ground
- 3) Antenna
- 7) Ground
- 11) Ground
- 13) NC
- 14) Data-out
- 15) +V

