

High performance Super Het OOK Receiver

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



RX-4MM5/FX

P.N. 650201537G

DESCRIZIONE

Ricevitore ad alte prestazioni OOK operante a 433.92 Mhz con filtro digitale per disturbi minori di 150us, ideale per applicazioni con motori a spazzole.
Compatibile con la RED (Radio Equipment Directive 2014/53/EU) in particolare con le norme:

- EN 301 489-3 : V.2.1.1
- EN 300 220-2 : V.3.1.1

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

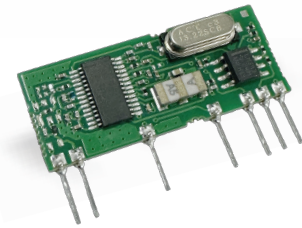
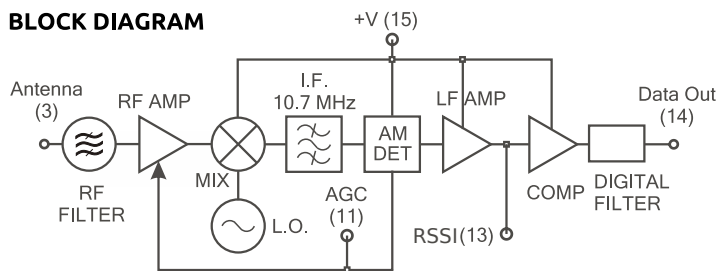
DESCRIPTION

High performance OOK receiver operating at 433.92 Mhz with digital filter for spikes less than 150us, ideal for applications with brushes motors.
Compatible with the RED (Radio Equipment Directive 2014/53/EU) in particular with the standards:

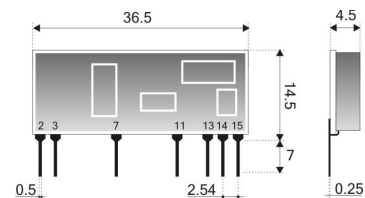
- EN 301 489-3 : V.2.1.1
- EN 300 220-2 : V.3.1.1

Antenna input protected from ESD discharges, compliant with the 61000-4-2 standard

BLOCK DIAGRAM



DIMENSIONS



PIN-OUT

- 2) Ground
- 3) Antenna
- 7) Ground
- 11) AGC On-off
- 13) RSSI
- 14) Data-Out
- 15) +V

TECHNICAL SPECIFICATION

Ta = 25 °C

CHARACTERISTICS		MIN	TYP	MAX	UNIT
Supply Voltage	Alimentazione	4.5	5	5.5	Vdc
Supply Current	Corrente Assorbita	7	7.5	9	mA
Reception frequency	Frequenza di ricezione		433.92		MHz
RF sensitivity*	Sensibilità RF*	-110	-112	-114	dBm
IF Bandwidth - 3dB	Banda passante IF a - 3dB		300		KHz
RF power on 50 Ohm pin ant.	Potenza RF su 50 Ohm pin ant.			-60	dBm
Square wave output	Onda quadra in uscita	0.02	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 dio accensione			1	ms
RSSI RF dynamic range	Dinamica RF uscita RSSI	-110		-37	dBm
Working temperature	Temperatura di lavoro	-20		+85	°C

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