

434 MHz AM OOK Super-het Receiver

LOW COST & HIGH SENSITIVITY -114 dBm*

RX-4MM5 ++

P.N. 650200821G

Descrizione

Modello economico ad elevata sensibilità che, grazie a una nuova tecnica circuitale, non necessita di filtro SAW per garantire un'alta immunità ai disturbi.

* Generatore RF con modulazione 100%.

Description

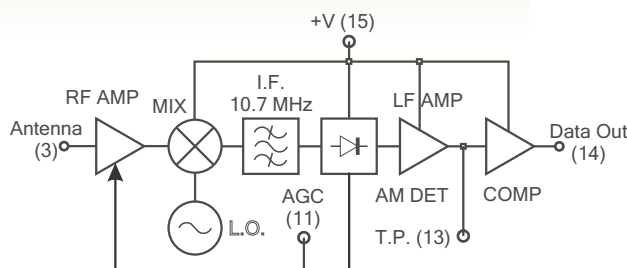
Super-het receiver of AM modulated digital data, working at 433,92 Mhz frequency.

Pin to pin compatible with all OOK AUREL receivers.
High selectivity and sensibility.

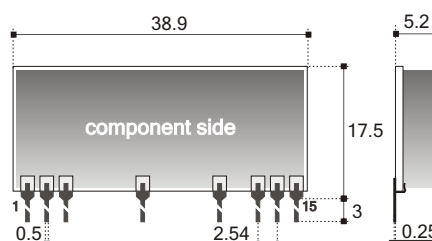
* RF generator with 100% modulation

Pin-Out

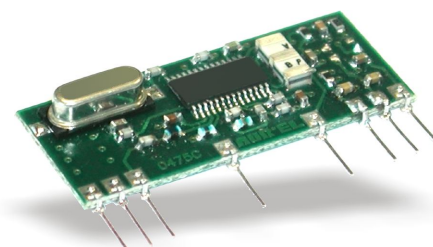
- 1) N.C.
- 2) Ground
- 3) Antenna
- 7) Ground
- 11) AGC On-Off
- 13) RSSI Out - Test point
- 14) Data Out
- 15) +V



Dimensions



Component Side



TECHNICAL SPECIFICATION

Ta = 25 °C

Characteristics		Min	Typ	Max	Unit
Supply Voltage	Alimentazione	4.5	5	5.5	Vdc
Supply Current	Corrente Assorbita		5.8	7	mA
Reception frequency	Frequenza di ricezione		433.92		MHz
RF sensitivity ⁽¹⁾	Sensibilità RF ⁽¹⁾	-110	-114	-115 ⁽¹⁾	dBm
IF Bandwidth - 3dB	Banda passante IF a - 3dB		300		KHz
Interference rejection at ± 10 Mhz	Reiezione alle Interferenze a ± 10 Mhz	60			dB
Square wave output	Onda quadra in uscita		2	3	KHz
Output high voltage	Livello alto d'uscita	Vs-0.6			V
Output low voltage	Livello basso d'uscita			GND+0.4	V
Antenna RF emission	Emissioni RF spurie in antenna			- 60	dB
Switch-on time	Tempo di accensione			0.3	ms
Operating temperature range	Temperatura di lavoro	-20		+80	°C

⁽¹⁾ RF generator with 100% modulation