

# 433 MHz ASK wide band - FR4 substrate

LOW COST RECEIVER

## AC-RX2/CS

P.N. 650201133G

### DESCRIZIONE

Versione su circuito stampato (FR4) del più conosciuto ricevitore AC-RX2 su allumina. Pin-out standard AUREL  
Ricevitore con condensatore variabile a basso assorbimento, alta immunità ai disturbi di alimentazione e bassa radiazione in antenna.

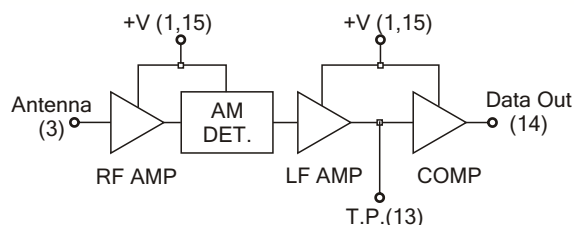
<sup>(1)</sup> 100% generatore RF

### DESCRIPTION

Printed circuit version of the well established long available, AC-RX2 receiver assembled on alumina substrate.  
Same AUREL standard pin-out.  
Trimmable capacitor, low current, low antenna radiation and high insensitivity to power switching noises.

<sup>(1)</sup> RF generator with 100% modulation

### BLOCK DIAGRAM



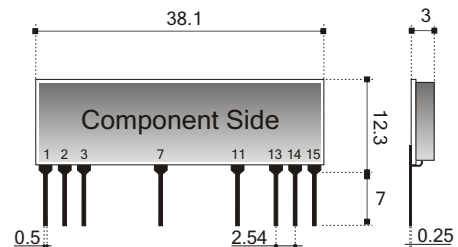
### TECHNICAL SPECIFICATION

Ta = 25 °C

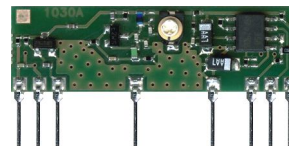
CARATTERISTICHE / CHARACTERISTICS	MIN	TYP	MAX	UNIT
Supply Voltage • Alimentazione	4.5	5	5.5	Vdc
Supply Current • Corrente Assorbita		2.5	3	mA
Reception frequency • Frequenza di ricezione		433.92		MHz
RF sensitivity • Sensibilità RF		-106 <sup>(1)</sup>		dBm
- 3dB RF Bandwidth • Banda passante RF a - 3dB		±2		MHz
Square wave output • Onda quadra in uscita			3	KHz
Spectrum emitted level • Radiazione in antenna		-65	-60	dBm
Output high voltage • Livello alto d'uscita	V <sub>s</sub> - 1.2			V
Output low voltage • Livello basso d'uscita			GND + 0.4	V
Switch-on time • Tempo di accensione			2	s
Operating temperature range • Temperatura di lavoro	-20		+80	°C

<sup>(1)</sup> RF generator with 100% modulation

### DIMENSIONS



### COMPONENT SIDE



### PIN-OUT

- 1) +V
- 2) Ground
- 3) Antenna
- 7) Ground
- 11) Ground
- 13) Test Point
- 14) Data Output
- 15) +V