

315 MHz AM OOK Super Het Receiver

HIGH SENSITIVITY -114 dBm*

RX-3MM5

P.N. 650201096G

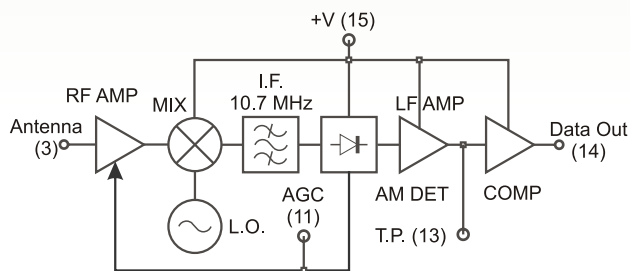
DESCRIZIONE

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

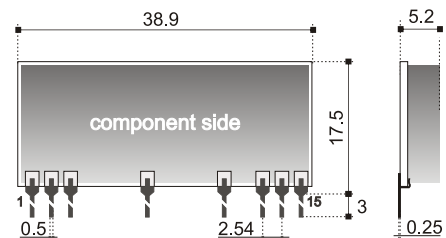
DESCRIPTION

Super-het receiver of AM modulated digital data, working at 315 Mhz frequency. Pin to pin compatible with all OOK AUREL receivers. High selectivity and sensibility.

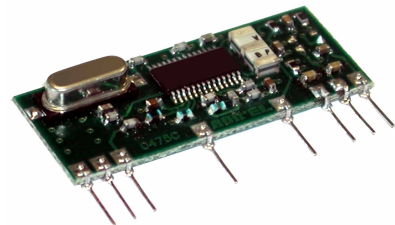
BLOCK DIAGRAM



DIMENSIONS



COMPONENT SIDE



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

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		315		MHz
RF sensitivity ⁽¹⁾	Sensibilità RF ⁽¹⁾	-110	-114	-115 ⁽¹⁾	dBm
IF Bandwidth - 3dB	Banda passante IF a - 3dB		3000		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