

434 Mhz High Speed FM Radio Transceiver

100 Kbps

XTR-434

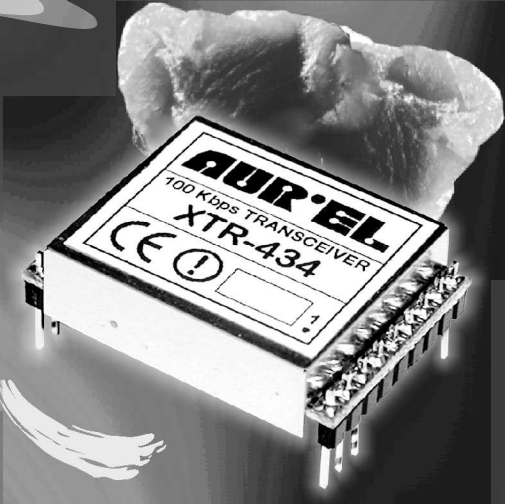
(650200588)

Pin-out

- 1) Ground
- 2) Antenna
- 3) Ground
- 9) Ground
- 10) Ground
- 11) Carrier Detect.
- 12) Digital Data Out
- 13) Analog Out
- 14) Modulation In
- 15) TX Enable
- 16) RX Enable
- 17) +5V
- 18) Ground

10^{Tx} dBm

-102^{Rx} dBm



Information subject to change without notice

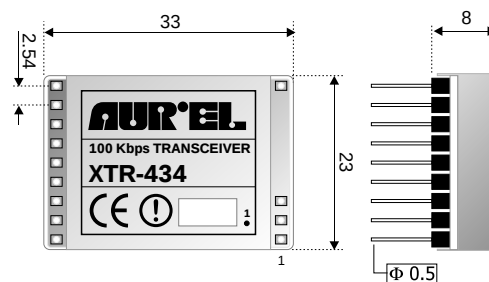
Description

FM radio transceiver module with high transmitter power, increased receiver interference immunity, high data rate (100 Kbps). Ideally suited to provide bi-directional wireless connectivity for a broad range of battery - mains powered products. Conforming to EN 300 200 & ETS 300 683.

Descrizione

Modulo ricetrasmittitore a 100 Kbps operante alla frequenza di 433,92 MHz. Elevata immunità ai campi elettromagnetici interferenti ed elevata potenza di trasmissione. Conforme alle Normative Europee EN 300 220 ed ETS 300 683.

Mechanical Dimensions



Technical Specification

Ta = 25 °C

CHARACTERISTICS		MIN	TYP	MAX	UNIT
V _S	Supply Voltage • Alimentazione		5		Vdc
I _S	Supply Current • Corrente Assorbita (TX ON)			22	mA
I _S	Supply Current • Corrente Assorbita (RX ON)			11	mA
I _S	Supply Current • Corrente Assorbita (RX/TX OFF)			100	nA
F _w	Reception frequency • Frequenza di ricezione		433.92		MHz
S _i	RF sensitivity • Sensibilità RF		-100		dBm
B _w	LF Bandwidth • Banda passante BF			50	KHz
P _o	TX Power • Potenza TX		+10		dBm
Z _i	Antenna impedance • Impedenza d'antenna		50		Ω
T _{ON}	Switch-on time • Tempo di accensione			1	ms
T _{OP}	Operating temperature range • Temperatura di lavoro	-20		+80	°C

Certification Tests from PRIMA RICERCA & SVILUPPO - 22020 Gaggino Faloppio (CO) Italy.

I report tecnici sono stati ottenuti dal laboratorio PRIMA RICERCA & SVILUPPO - 22020 Gaggino Faloppio (CO) Italia.

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