

High Speed FM Radio Transceivers

20 to 100 Kbps

Pin-out

- 1] RF Ground
- 2] Antenna
- 3] RF 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

5 to 50 Kbps

**XTR-434
XTR-434L
XTR-434H**

20 to 100 Kbps

5v

Information subject to change without notice

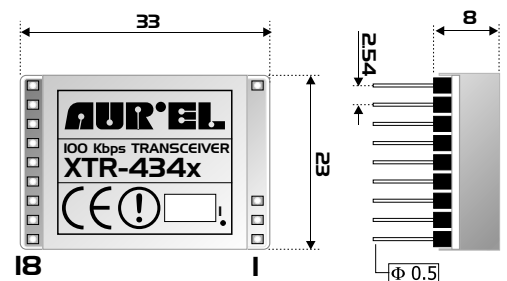
Description

FM radio transceiver modules on 433.92 Mhz with increased receiver interference immunity and high transmission power. Two modules with different baud-rate range to answer any data transmission requirement. Rx/Tx ultrafast switch time. Conforming to EN 300 220 and EN 301 489 European Normative.

Descrizione

Moduli ricetrasmittitori operanti alla frequenza di 433,92 MHz. Elevata immunità ai campi elettromagnetici interferenti ed elevata potenza di trasmissione. Due limiti di baud-rate per ottimizzare le singole esigenze di ricetrasmmissione dati. Scambio RX/TX ultraveloce. Conforme alle Normative Europee EN 300 220 ed EN 301 489.

Mechanical Dimensions



Ta = 25 °C

Technical Specification

CHARACTERISTICS		MIN	TYP	MAX	UNIT
V _s	Supply Voltage • Alimentazione	4.5	5	5.5	Vdc
I _s	Supply Current • Corrente Assorbita [TX ON]	24	28	32	mA
I _s	Supply Current • Corrente Assorbita [RX ON]	10	11	12	mA
I _s	Supply Current • Corrente Assorbita [RX/TX OFF]			100	nA
F _w	Tx-Rx frequency • Frequenza Tx-Rx [XTR-434, XTR-434L]		433.92		MHz
F _w	Tx-Rx frequency • Frequenza Tx-Rx [XTR-434H]		434.42		MHz
S ₁	RF sensitivity • Sensibilità RF [XTR-434]		-100	-102	dBm
S ₁	RF sensitivity • Sensibilità RF [XTR-434L]		-103	-105	dBm
B _w	LF Bandwidth • Banda passante BF [XTR-434]	10		50	KHz
B _w	LF Bandwidth • Banda passante BF [XTR-434L]	2.5		25	KHz
P _o	TX Power • Potenza TX			+10	dBm
Z ₁	Antenna impedance • Impedenza d'antenna		50		Ω
T _{ON}	Switch-on time Rx • Tempo di accensione Rx		1		ms
T _{ON}	Switch-on time Tx • Tempo di accensione Tx		1		ms
T _{Op}	Operating temperature range • Temperatura di funzionamento	-20		+80	°C

Product Code: 650200588 (XTR-434)
 Product Code: 650200614 (XTR-434L)
 Product Code: 650200637 (XTR-434H)