

869 Mhz High Speed FM Radio Transceiver

5 to 100 Kbps

XTR-869

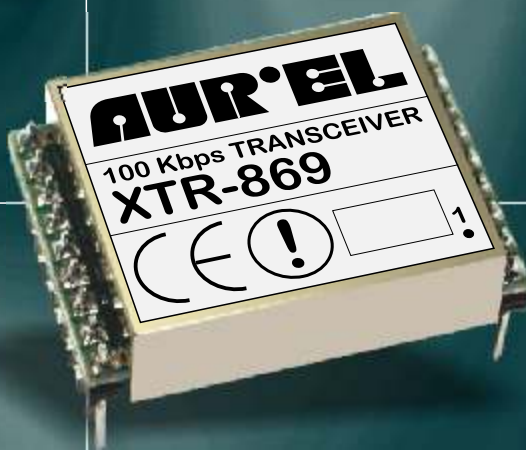
Pin-out

- 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

7 Tx dBm

-102 Rx dBm

5v



Information subject to change without notice

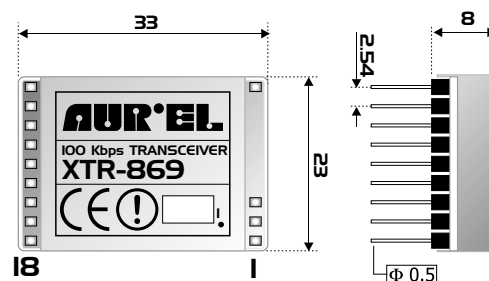
Description

FM radio transceiver module on 869.85 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, EN 301 489 and EN 60950 European Normative.

Descrizione

Modulo ricetrasmittitore operante alla frequenza di 869,85 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, EN 301 489 ed EN 60950.

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		869.85		MHz
S _i	RF sensitivity • Sensibilità RF		-100	-102	dBm
B _w	LF Bandwidth • Banda passante BF	10		50	KHz
P _o	TX Power • Potenza TX			+7	dBm
Z _i	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: 650200624 (XTR-869)