

# XTR-434 High Speed FM Radio Transceiver Module



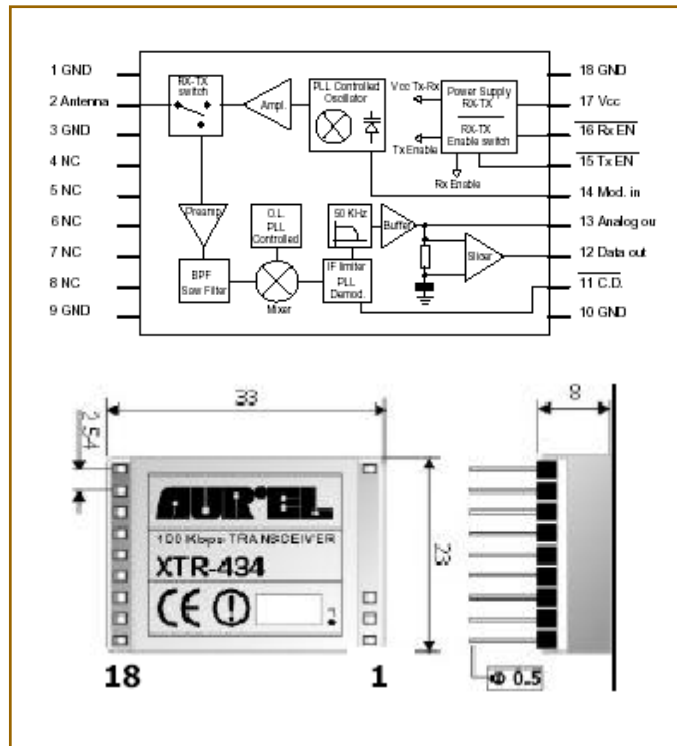
- ◆ Conforming to EN 300 200, EN 301 489 & EN 60950.
- ◆ High transmit power, high RF sensitivity and increased receiver interference immunity
- ◆ Low Power Consumption
- ◆ Crystal controlled PLL transceiver with up to 100Kbps data throughput
- ◆ Fast 1ms Switch-On time

# XTR-434

## Features and Specifications

FM radio transceiver modules on 433.92MHz with increased receiver interference immunity and high transmission power. Two modules with different baud-rate range to answer any data transmission requirement.

- Conforming to EN 300 200, EN 301 489 & EN 60950
- High transmit power, high RF sensitivity and increased receiver interference immunity
- Supply: +5V
- Fast 1ms Switch-On time
- Superhet architecture
- Direct interface to CMOS logic
- 10dBm output power
- Integrated antenna changeover switching
- SAW filter front end
- Crystal controlled PLL transceiver
- Carrier Detect output
- Pin compatible with the [BIM transceiver](#) modules
- Analog and Digital outputs



## Technical Specifications

Characteristics	Min	Typical	Max	Units
Supply Voltage	4.5	5	5.5	Vdc
Supply Current [TX ON]	24	28	32	MA
Supply Current [RX ON]	10	11	12	mA
Supply Current [RX/TX OFF]			100	nA
TX-RX Frequency		433.92		MHz
RF Sensitivity [XTR-434]		-100	-102	dBm
RF Sensitivity [XTR-434L]		-103	-105	dBm
LF Bandwidth [XTR-434]	10		50	KHz
LF Bandwidth [XTR-434L]	2.5		25	KHz
TX Power			+10	dBm
Antenna Impedance		50		Ω
Switch-on time RX		1		ms
Switch-on time TX		1		ms
Operating Temperature range	-20		+80	°C

## Ordering Information

Part No	Description
RT-XTR434	XTR434 FM Radio Transceiver Module
RT-XTR434L	XTR434L FM Radio Transceiver Module

Technical features are subject to change without notice. A2B Communication does not assume responsibilities for any damage caused by the device's misuse.