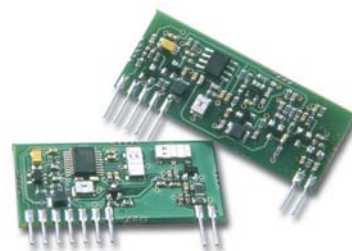




"Low Cost" transmitters & receivers 433.92MHz – 10mW, versions ASK/FSK



These transmitters and receivers enable an economic single-way **AM/FM digital link** over a range of **500m**. They are used as an asynchronous serial channel where the useful data rate ranges from **1.2 to 10kBps Manchester**. The transmission protocol remains up to the user. They use the 433/434MHz band according to the European directive EN 300-220/ EN 301-489. The products are available as **miniature daughter boards** to be integrated. The applications covered range from **radio remote control** of gates, roller-blinds, **point to point transmission**, micro-networks ... in **general public or tertiary sectors of activity**, home automation, access control, alarms... ; and more generally all **low and medium rate data transmission applications** where security depends on information redundancy.

Specifications

Receiver

- **Superheterodyne**
- Frequency **433.92MHz**
- Bandwidth **<250kHz**
- Serial digital output **0-5V**
- Supply voltage **5V (ASK) – 2.7 to 6V(FSK)**
- Rated consumption **7mA (ASK) – 8mA (FSK)**
- Sensitivity **0,7 µV (ASK) – 1,2 µV (FSK)**
- Sizes **40 x 20 x 3m (ASK)**
40 x 22 x 7mm (FSK)

Transmitter

- Frequency **433.92MHz**
- Conducted RF power **10mW (10 dBm)**
- Modulation **ASK 100% ou FSK ± 25kHz**
- Serial digital input **0-Vdc**
- Supply voltage **3 or 5V**
- Rated consumption **14mA (ASK) – 25mA (FSK)**
- Size **46 x 18 x 3mm**

Complete system

- Range **500m**
- Raw data rate **1200 bps to 10 kbps Manchester**
- Operating Temperature **-20 / -70°C**
- **Can be qualified in compliance with the RTTE European Directive EN300-220/EN 301-489**

Alternative versions

ARF6374A : ASK – 5V transmitter
 ARF6374I : ASK – 3V transmitter
 ARF6374F : FSK – 5V transmitter
 ARF6374H : FSK – 3V transmitter
 ARF6370A : FSK receiver
 ARF6366A : ASK receiver

Your distributor