



FSK Super Heterodyne Receiver

ST-FRX01-FSK Receiver

General Description:

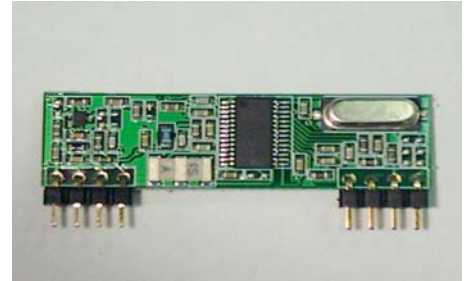
The ST-FRX01-FSK is an FSK receiver module, which is based on a single-conversion super-heterodyne receiver architecture and incorporates an entire Phase-Locked Loop (PLL) for precise local oscillator generation..

Frequency available: 434/868 MHz

Sensitivity: -106dBm for 434MHz / -104dBm for 868MHz

Supply Current: 10mA for434MHz/13mA for 868MHz

434/868MHz FSK Receiver



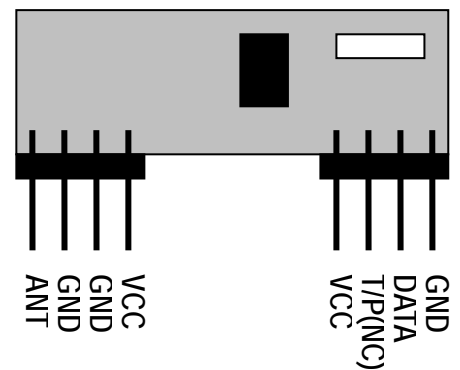
Features:

- Easy for application.
- Operation temperature range : -20°C ~ +85°C
- Lower power consumption.
- Operation voltage: 5Volts.
- Available frequency at: 434/868 MHz

Applications

- Car security system
- Wireless security systems
- Sensor reporting
- Automation system
- Remote Keyless entry

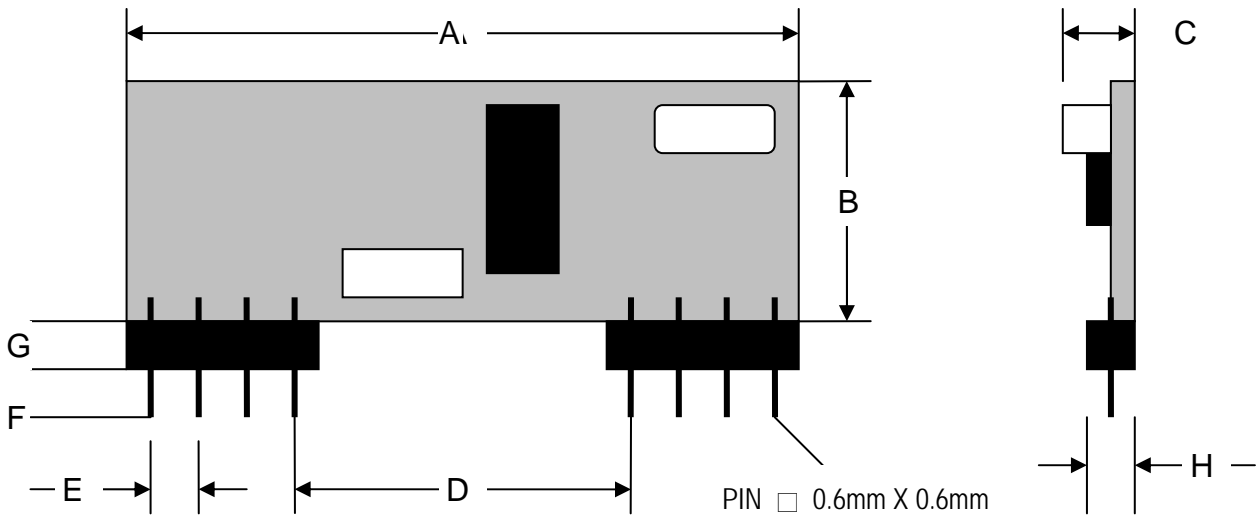
Pin Description:



Electrical Characteristics :

| CHARACTERISTIC | | MIN | TYP | MAX | UNIT |
|----------------|-------------------------------|-----|------------------------------|-----|------|
| Vcc | Supply Voltage | 4.5 | 5 | 5.5 | VDC |
| Is | Supply Current | | 10(434MHz) 13(868MHz) | | mA |
| FR | Receiver Frequency | | 434/868 | | MHz |
| | RF Sensitivity(Vcc=5V) | | -106(434MHz) -104(868MHz) | | dBm |
| | Data Rate | | 4.8k | 20k | bps |
| | Turn On Time(Vcc off-Turn on) | | 2 | | ms |
| TOP | Operating Temperature Range | -20 | | +85 | °C |
| | Output Duty | 40 | | 60 | % |

Mechanical Dimension:



| NAME | DIMENSION | NAME | DIMENSION |
|------|-----------|------|-----------|
| A | 44.201mm | E | 2.54mm |
| B | 13.004mm | F | 2.75mm |
| C | 5.5mm | G | 3.009mm |
| D | 25.4mm | H | 3.009mm |

Typical Application:

