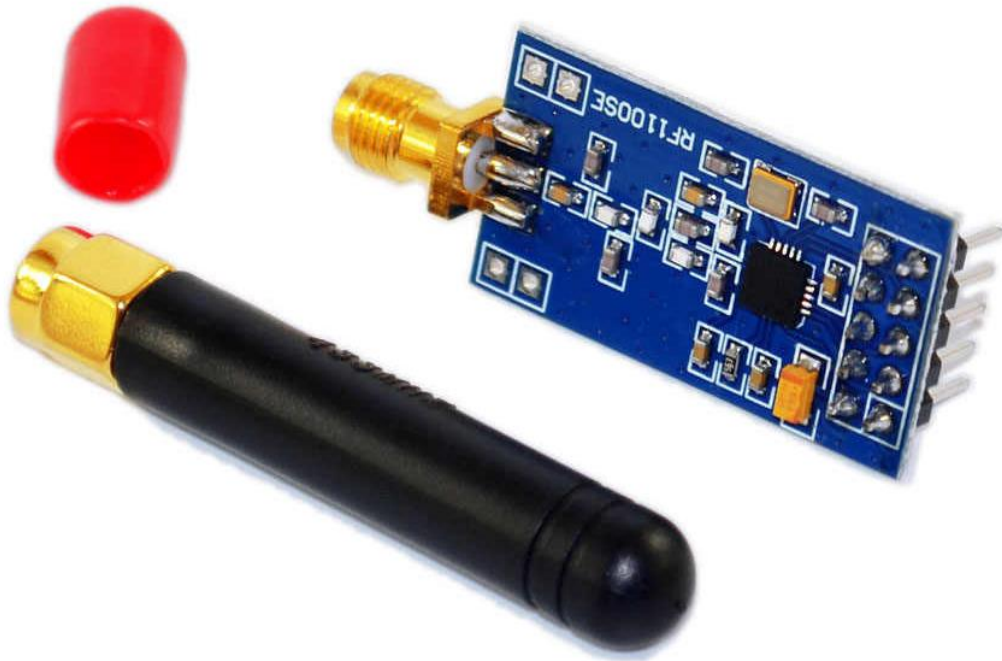


TI-CC1101 433Mhz WIRELESS RF TRANSCEIVER MODULE (MD0042)



Product Description / Specification

Manufacturer: Keyes

Manufacturer Part Number: MD0042

Because the cc1101 1.2k baud rate's requirement for peripheral circuit parameters accuracy is relatively high, in order to improve the effective communication distance developed module, this module is developed hardly. This module is specially customized by a domestic development unit and it has been used in quantities.

CC1101 major improvements on the base of CC1100

Improve the spurious response;

The more closely phase noise, the better performance of the adjacent channel power (ACP);

Saturation level input higher;

Higher efficiency power output

Continuous frequency band extension:

CC1101: 387-464 MHz and 779-928 MHz;

Features:

1. Working voltage :1.8-3.6V
2. Operating frequency:(Module:387-464MHZ) Default working frequency: 433Mhz
3. Instantaneous maximum working current: <30mA;
4. Maximum transmit power: 10mW (+10dBm);

5. Support 2-FSK, GFSK and MSK modulation;
6. Receiver sensitivity -110dBm at 1200 baud;
7. Minimum operating speed 1.2kbps, the highest 500kbps;
8. Separate 64-byte RX and TX data FIFO buffer;
9. Built-in hardware CRC error detection ensures reliable data transmission;
10. Support RSSI signal strength detection and carrier sense function;
11. Low power consumption;
12. Mailing Address (256) Operating frequency can be programmed via SPI;
13. Programmable output power, for all the support frequencies up to +10 dBm;
14. WOR feature can be set to standby, the proportion receiving state timer switch time to reduce power consumption;
15. Fast frequency synthesizer with proper frequency hopping system;