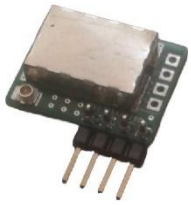
EGN Elektronik

RF Wireless Modules

NRX04RSA3 315MHz ASK/OOK RF Receiver Module

(with RF Frontend SAW Filter, RF Shield and SMA RF Antenna Connector)



Brief

NRX04RSA3 is a small size, compact, low power and easy to use 315MHz ASK/OOK RF Receiver module based on Cmostek Microelectronics CMT2219A RF IC.

Features

- Wide supply voltage range, 1.8V~3.6V
- Operating frequency 315MHz, ASK/OOK demodulation
- Up to 100ksps symbol rate
- Direct, buffer and packet mode
- Manchester decoding, data de-whitening
- -109dBm Receiver sensitivity, (1ksps, ASK/OOK)
- Low power consumption, 5.7mA, sleep mode <440nA
- Frequency, symbol rate and modes programmable/customizable
- Preprogrammed plug-and-play use without MCU or advanced mode with MCU control
- Small size - 21.34mmx16.76mm

Application Areas

- Low cost consumer electronics applications
- Smart Building Automation
- Industrial Monitoring and Control
- Remote Control, Remote Keyless Entry, Remote AMR
- Wireless Alarm and Security

Documentation and Supplementary Materials

- NRX04RSA3 315MHz ASK/OOK RF Receiver Module Product Flyer
  https://www.egn-elektronik.com.tr/EN/PDFs/EGN-WRFM-NRX04RSA3-Product-Flyer.pdf
- NRX04RSA3 315MHz ASK/OOK RF Receiver Module Technical Data
  https://www.egn-elektronik.com.tr/EN/PDFs/EGN-WRFM-NRX04RSA3-Technical-Data.pdf