

Applications



Data transmitters and receivers

UHF narrowband multi channel radio module CDP-TX-02E, CDP-RX-02E 434 MHz 32 ch CDP-TX-02EP, CDP-RX-02EP 434 MHz 32 ch

- Channel change using dip switch or pin depending on model
- RF 10 mW / 1 mW selectable
- 4,800 bps
- 25 kHz step
- Receiver sensitivity* -120 dBm
- 43 mA (TX 10 mW), 30 mA (RX)
- 36 x 26 x 10 mm (TX)
- 50 x 30 x 9 mm (RX)
- RED (EN 300 220)



UHF narrowband multi channel radio module CDP-TX-02F, CDP-RX-02F 434 MHz 128 ch

- Channel change using dip switch
- RF 10 mW / 1 mW selectable
- 4,800 bps
- 12.5 kHz step
- Receiver sensitivity* -120 dBm
- 43 mA (TX 10 mW), 30 mA (RX)
- 36 x 26 x 10 mm (TX)
- 50 x 30 x 9 mm (RX)
- RED (EN 300 220)



UHF narrowband radio module CDP-TX-07M, CDP-RX-07M 434 MHz 4 ch CDP-TX-07MP, CDP-RX-07MP 434 MHz 4 ch

- Channel change using dip switch or pin depending on model
- RF 10 mW
- 4,800 bps
- Receiver sensitivity* -120 dBm
- 20 mA (TX), 23 mA (RX)
- 22 x 12 x 4.5 mm (TX)
- 36 x 26 x 8 mm (RX)
- RED (EN 300 220)



UHF narrowband radio module CDP-TX-07M, CDP-RX-07M 869 MHz 4 ch CDP-TX-07MP, CDP-RX-07MP 869 MHz 4 ch

- Channel change using dip switch or pin depending on model
- RF 5 mW
- 4,800 bps
- Receiver sensitivity* -115 dBm
- 18 mA (TX), 23 mA (RX)
- 22 x 12 x 4.5 mm (TX)
- 36 x 26 x 8 mm (RX)
- RED (EN 300 220)



Data transceivers

UHF narrowband multi channel radio module STD-302Z 434 MHz

- Programmable channels
- RF 10 mW
- 9,600 bps
- Receiver sensitivity* -119 dBm
- 44 mA (TX), 28 mA (RX)
- 50 x 30 x 9 mm
- 419 / 429 / 447 / 458 / 869 / 1216 / 1252 MHz versions available



UHF narrowband multi channel radio module LMD-401 458-462.5 MHz

- Programmable channels
- RF 10 mW
- 4,800 bps
- Receiver sensitivity* -116 dBm
- 46 mA (TX), 36 mA (RX)
- 50 x 30 x 9 mm
- FCC Part 90.217 / ISCED RSS-119



UHF narrowband multi channel radio module STD-601 400 MHz

- Single module covers 429, 434, 447, 458 MHz bands
- RF 50 / 25 / 20 / 10 / 5 / 1 mW
- 1,200 / 2,400 / 4,800 / 9,600 / 19,200 bps
- 137 channels (434 MHz)
- 35 mA (TX 10 mW), 19 mA (RX)
- 32 x 20 x 5 mm
- 434 MHz RED (EN 300 220) version available



DSSS low power radio module STD-504 2.4 GHz

- True diversity receiver
- Channel step option
- RF 10 mW
- 19,200 bps
- 75 channels (DSSS)
- 55 mA (TX), 60 mA (RX)
- 40 x 29 x 5.5 mm
- EN 300 328 / FCC Part 15.247 / ISCED RSS-210 / ARIB STD-T66



*sensitivity at 12 dB SINAD

Telecommand

Telecommand radio unit KST2.4S, KSR2.4 2.4 GHz

- Transmit 6 switching signals
- CRC-16 error detection / Hamming distance 6
- 1:1 communication
- RF 1.6 mW
- FHSS
- 30 mA max (KST2.4S), 80 mA max (KSR2.4)
- 55 x 45 x 12.5 mm
- FCC Part 15 and ARIB STD-T66



Telecommand radio module NK-2.4Y 2.4 GHz

- Transmit 8 switching signals
- CRC-16 error detection / Hamming distance 6
- 1:1 communication
- RF 1.6 mW
- FHSS
- 3 mA (Input), 7 mA (Output), 14 mA (linking)
- 35.3 x 17.8 x 3.5 mm
- EN 300 440 / FCC Part 15 / ISCED RSS-247 / ARIB STD-T66



UHF narrowband telecommand radio module CDT-TX-02M, CDT-RX-03M 434 MHz

- Transmit 6 switching signals
- N:1 communication
- Photo MOSFET outputs
- RF 10 mW
- 4 channels
- 27 mA (TX), 19 to 55 mA (RX)*1
- 36 x 26 x 8 mm (TX), 53 x 35 x 12 mm (RX)
- 426 MHz version available

*1: varies according to the number of outputs



Radio data modems (Embedded protocol)

UHF narrowband radio modem SLR-434M 434 MHz

- Long range - few km or more
- Command interface / UART
- Transmit 8 switching signals
- RF 10 mW
- 4,800 bps (FSK), 15 to 245 bps (LoRa)
- 137 channels with 12.5 kHz step
- 29 mA (TX), 17 mA (RX)
- 40 x 29 x 6.2 mm
- RED (EN 300 220)
- 429 MHz version available



UHF narrowband radio modem MU-4 434 MHz

- Command interface / UART
- Error correction (Reed solomon code)
- RF 10 mW / 1 mW selectable
- 4,800 bps
- 127 channels with 12.5 kHz step
- 42 mA (TX 10 mW), 22 mA (RX)
- 36 x 26 x 8 mm
- RED (EN 300 220)
- 429 MHz version available



Data transceiver for Japan

UHF narrowband radio transceiver module STD-602 429 MHz

- 429 MHz band (Japan)
- GITEKI mark (Type certification)
- RF 10 mW / 1 mW selectable
- 40 channels (4,800 bps), 96 channels (2,400 bps)
- 27 mA (TX 10 mW), 17 mA (RX)
- RF parameter setting by UART
- ARIB STD-T67



*LoRa® Mark and Logo are trademarks of Semtech corporation.