

Applications



Data transmitter & receiver

Multi channel data transmitter and receiver
CDP-TX-02E-R 434 MHz
CDP-RX-02E-R

- RF 10 mW or 1 mW
- TX 43 mA , RX 30 mA @ 3 V
- 32 channels / 25 kHz step
- 4800 bps
- Receiver sensitivity -120 dBm (12 dB SINAD)
- RED (EN 300 220)
- 36 × 26 × 10 mm (TX), 50 × 30 × 9 mm (RX)
- 128 channel / 12.5 kHz step available



Multi channel transmitter and receiver
CDP-TX-05M-R 434 MHz
CDP-RX-05M-R

- RF 10 mW
- TX 20 mA , RX 28 mA @ 3 V
- 4 channels
- 4800 bps
- Receiver sensitivity -120 dBm (12 dB SINAD)
- RED (EN 300 220)
- Compact size 22 × 12 × 6 mm (TX)
- 36 × 26 × 8 mm (RX)
- 426, 869, 915 MHz versions also available



Data transceiver

UHF narrow band multi channel transceiver
STD-302Z 434 MHz

- Transparent Interface
- RF 10 mW
- TX 44 mA , RX 28 mA @ 3 V
- Programmable channels
- 9600 bps
- Receiver sensitivity -119 dBm (12 dB SINAD)
- RED (EN 300 220)
- 50 × 30 × 9 mm
- 419, 429, 447, 458, 869 MHz versions are available

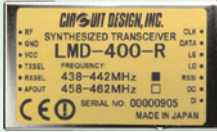


NEW!!



UHF narrow band multi channel transceiver
LMD-400-R 458-462.5 MHz

- Transparent Interface
- RF 10 mW
- TX 52 mA , RX 42 mA @ 3 V
- 77 channels (DSSS)
- 4800 bps
- Receiver sensitivity -116 dBm (12 dB SINAD)
- FCC Part 90.217, IC RSS-119
- 50 × 30 × 9 mm



Narrow band radio transceiver
STD-601 400 MHz

- Single module covers 429, 434, 447, 458 MHz bands
- Transparent Interface
- RF 50 / 25 / 20 / 10 / 5 / 1 mW
- TX 35 mA , RX 19 mA @ 3 V
- 137 channels (434 MHz)
- 1200, 2400, 4800, 9600, 19200 bps
- 434 MHz RED (EN 300 220) version available
- Compact size 32 × 20 × 5 mm



DSSS low power radio transceiver
STD-503 2.4 GHz

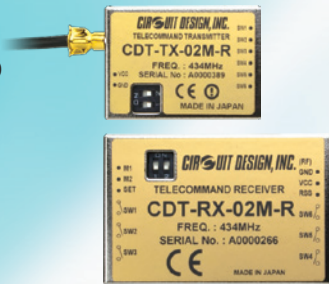
- Transparent Interface
- RF 10 mW
- TX 48 mA , RX 55 mA @ 3.3 V
- 77 channels (DSSS)
- 19200 bps
- Worldwide use - EN 300 440, FCC Part 15.247, IC RSS-210, ARIB STD-T66
- True Diversity Receiver
- Channel step option
- Compact size 40 × 29 × 5 mm



Telecommand

Multi channel telecommand transmitter and receiver
CDT-TX-02M-R 434 MHz
CDT-RX-02M-R

- Transmit 6 switching signals
- N:1 communication
- RF 10 mW
- TX 27 mA , RX 16 - 50 mA (dep. on active outputs)
- 4 channels
- 1200 bps
- Photo MOSFET outputs
- RED (EN 300 220)
- 36 × 26 × 8 mm (TX), 53 × 35 × 12 mm (RX)
- 426 MHz version available



Telecommand radio module
NK-2.4Y 2.4 GHz

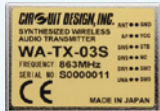
- Transmit 8 switching signals
- 1:1 communication
- RF 1.4 mW
- TX 3 mA , RX 7 mA (during linking 14 mA)
- No frequency channel management (FHSS)
- 250 kbps
- CRC-16 Error Detection / Hamming Distance 6
- Worldwide use - EN 300 440 / FCC Part 15 / IC RSS-247 / ARIB STD-T66
- Compact size - 35.3 × 17.8 × 3.5 mm



Audio transmitter & receiver

UHF multi channel wireless audio transmitter / receiver
WA-TX-03S, WA-RX-03S 863 MHz

- 863 - 865 MHz European audio band
- Selectable RF output (5 mW and 10 mW)
- 15 channels with 125 kHz
- Built in noise reduction systems
- Built in mute circuit
- Easy installation for user system
- RED (EN 301 357)



Radio data modem

Low power radio modem
SLR-434M 434 MHz

- Command Interface / UART
- Transmit 8 switching signals
- RF 10 mW
- TX 29 mA , RX 17 mA @ 5 V
- 137 channels / 12.5 kHz step
- 4800 bps (FSK), 15 - 245 bps (LoRa)
- Long range - few km or more
- Compact size - 40 × 29 × 6.2 mm
- 429 MHz version available



NEW!!



Embedded radio modem
MU-2-R 434 MHz

- Command Interface / UART
- RF 1 mW / 10 mW
- TX 42 mA , RX 22 mA @ 3 V
- 127 channels / 12.5 kHz step
- 4800 bps
- RED (EN 300 220)
- Error Correction (Reed Solomon code)
- 36 × 26 × 8 mm
- 429 MHz version available



Antennas & cables

Lead antennas (TMP)
ANT-LEA-01/02-R
Flexible antenna
Fit with Circuit Design radio modules
434 MHz, 863 MHz and 869 MHz



Waterproof antennas (SMA)
ANT-400-SW 434 MHz



ANT-400-R 434 MHz



Antenna with mount
434 MHz antenna with coaxial cable
ANT-01-R

Adjustable antenna base part (180°x 360°)
1.5 D coaxial cable (4m)



Other antennas
ANT-2G4W1R-R 2.4 GHz



ANT-2G4L2 2.4 GHz



Antenna cover
AC-400-R 184 mm (Antenna) · 8 mm (Antenna base)



For case mounting
CBL-BNC-01-R 0.4 m
CBL-RPSMA-03-R 0.3 m
CBL-RPSMA-02-R 0.2 m



Extension cables
CBL-TMP-01-R 0.17 m
CBL-TMP-05-R 0.5 m
CBL-TMP-10-R 1.0 m



CBL-SMA-05-R 0.5 m
CBL-SMA-10-R 1.0 m

