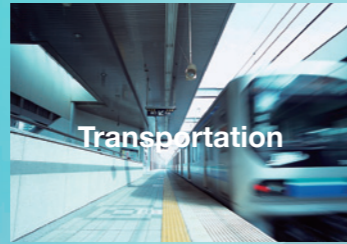


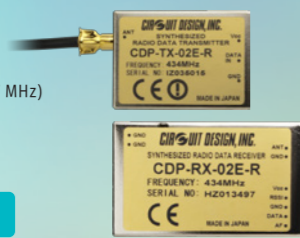
Applications



Data transmitter & receiver

Multi channel data transmitter and receiver CDP-TX-02E-R 434/457 MHz CDP-RX-02E-R 434/457 MHz

- 10 mW/1 mW RF power selectable
- 3 V operation, TX 43 mA (10 mW), RX 30 mA
- Wide operating range (-20 to +60 °C)
- Pre-programmed 32 channels, 25 kHz step
- Data rate 4800 bps (434 MHz), 2400 bps (457 MHz)
- Receiver sensitivity -120 dBm
- R&TTE (EN 300 220 - 434 MHz)
- FCC (Part 90/TX, Part 15/RX - 457 MHz)
- 458 MHz version available (11 channels)



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

- 10 mW/1 mW RF power selectable
- 3 V operation, TX 43 mA (10 mW), RX 30 mA
- Wide operating range (-20 to +60 °C)
- Pre-programmed 128 channels
- 12.5 kHz step
- Data rate 4800 bps max.
- Receiver sensitivity -120 dBm
- R&TTE (EN 300 220)



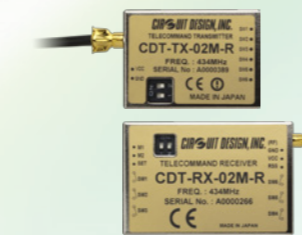
Multi channel transmitter and receiver CDP-TX-05M-R 434/869 MHz CDP-RX-05M-R 434/869 MHz

- 10 mW (434 MHz), 5 mW (869 MHz) RF power
- TX 2.2 V 21 mA, RX 3 V 28 mA
- Wide operation range (-20 to +65 °C)
- Pre-programmed 4 channels
- Data rate 4,800 bps max.
- Receiver sensitivity -120 dBm (434 MHz), -116 dBm (869 MHz)
- Compact size 22 x 12 x 6 mm 1.6 cc
- R&TTE (EN 300 220)



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

- 10 mW RF power
- TX 2.2 V, RX 3 V, 1 uA at stand-by
- MSK modulation
- Wide operation range (-20 to +60 °C)
- Pre-programmed 4 channels
- Receiver sensitivity -120 dBm
- 6 switch inputs and outputs
- R&TTE (EN 300 220)



Data transceiver

Channel programmable data transceiver STD-302N-R 434/869 MHz

- 10 mW (434 MHz), 5 mW (869 MHz) RF power
- 3 V operation, TX 44 mA, RX 26 mA
- Wide operating range (-20 to +60 °C)
- Programmable RF channel
- Data rate 9600 bps max.
- Receiver sensitivity -119 dBm (434 MHz), -116 dBm (869 MHz)
- R&TTE (EN 300 220)
- 434 / 869 / 419 / 429 / 447 / 458 / 335 MHz version available



High performance channel programmable transceiver LMD-400-R 458 - 462.5 MHz (US) / 438 - 442 MHz (EU) 458 - 462 MHz (EU)

- 10 mW RF power
- 3 V operation, TX 50 mA, RX 32 mA
- Wide operation range (-20 to +60 °C)
- Programmable RF channel
- 12.5 kHz channel space
- Data rate 4,800 bps max
- Receiver sensitivity -116 dBm typ. (458 - 462.5 MHz), -110 dBm typ. (438 - 442 / 458 - 462 MHz)
- FCC (Part 90)
- R&TTE (EN 300 113)



Radio data modem

Embedded Industrial radio modem MU-1-R 434 MHz

- 10 mW RF power
- 3 V operation, TX 46 mA, RX 32 mA
- High receiver selectivity
- UART interface
- Simple command control
- Pre-programmed 64 channels, 25 kHz step
- Serial interface data rate 57.6 kbps max.
- Radio data rate 9600 bps
- RS232, USB, LAN interface board options
- R&TTE (EN 300 220)



Embedded radio modem MU-2-R 434 MHz

- 10 mW/1 mW RF power selectable
- 3 V operation, TX 42 mA (10 mW), RX 22 mA
- UART interface, simple command control
- Pre-programmed 127 channels, 25 kHz step
- Serial interface data rate 57.6 kbps max.
- Radio data rate 4800 bps
- Error correction with Reed-Solomon code
- R&TTE (EN 300 220)



Embedded radio modem MU-D1-R 915 MHz

- The true diversity receiving system
- Direct Sequence Spread Spectrum
- 40 mW / 5 mW RF power selectable
- 4 V operation, TX 55 mA (5 mW), RX 58 mA
- 20 RF channels
- Compact size 36 x 26 x 8 mm
- FCC (Part 15.247)



Audio transmitter & receiver

Multi channel wireless audio transmitter and receiver WA-TX-03-R 863 MHz WA-RX-03-R 863 MHz

- 2 mW RF power
- 3 V operation, TX 70 mA, RX 45 mA
- 15 channels, 125 kHz step
- 70 dB wide dynamic range with noise reduction
- Built in compander/expander
- Adjustable mute level
- Frequency response 50 Hz - 13 kHz
- R&TTE (EN 301 357)



Antenna & cable

Lead antenna with plug ANT-LEA-01/02-R

Flexible antenna
Fit with Circuit Design radio modules
434 MHz, 863 MHz and 869 MHz



Rigid antenna with plug ANT-RIG-01/02-R

Hard antenna
Fit with Circuit Design radio modules
434 MHz, 863 MHz and 869 MHz



434 MHz water resistant antenna with SMA connector ANT-400-R

3/8 λ non-directional antenna for the 434 MHz band
Weather proof for outdoor use



434 MHz antenna with coaxial cable ANT-01-R

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



SMA conversion cable CBL-SMA-05/10-R

Convert radio module connector to a standard SMA connector
1.5 D coaxial cable (0.5 m / 1.0 m)



Coaxial cable with plug CBL-TMP-01/05/10-R

Fit with Circuit Design radio modules
1.5 D coaxial cable (0.17 m / 0.5 m / 1.0 m)



Water resistant antenna cover AC-400-R

Weather proof for outdoor use
Fit with ANT-RIG-01-R



Channel programmable data transceiver STD-302N-R 434/869 MHz

- 10 mW (434 MHz), 5 mW (869 MHz) RF power
- 3 V operation, TX 44 mA, RX 26 mA
- Wide operating range (-20 to +60 °C)
- Programmable RF channel
- Data rate 9600 bps max.
- Receiver sensitivity -119 dBm (434 MHz), -116 dBm (869 MHz)
- R&TTE (EN 300 220)
- 434 / 869 / 419 / 429 / 447 / 458 / 335 MHz version available



High performance channel programmable transceiver LMD-400-R 458 - 462.5 MHz (US) / 438 - 442 MHz (EU) 458 - 462 MHz (EU)

- 10 mW RF power
- 3 V operation, TX 50 mA, RX 32 mA
- Wide operation range (-20 to +60 °C)
- Programmable RF channel
- 12.5 kHz channel space
- Data rate 4,800 bps max
- Receiver sensitivity -116 dBm typ. (458 - 462.5 MHz), -110 dBm typ. (438 - 442 / 458 - 462 MHz)
- FCC (Part 90)
- R&TTE (EN 300 113)



DSSS low power radio transceiver STD-502-R 2.4GHz

- The true diversity receiving system
- Direct sequence spread spectrum
- Transparent interface for data input and output
- 10mW RF power
- 77 channels
- 3.3 V operation TX 65 mA
- Wide operation range (-20 to +65 °C)
- Data rate 9.6 kbps / 19.2 kbps
- FCC (Part 15.247) / ARIB (STD-T66) / R&TTE (EN300440)

