MICRF505DEV1
MICRF506DEV1

RadioWire® Development system

The RadioWire Development system is a multi function development kit that gives the user first hand experience of the RF performance as well as in depth development assistance. Its many features allow the ser to do basic RF parameter testing as well as being a system development platform.

The four different dip settings enables “quick set-up” without using a PC to evaluate the RadioWire product line. The supplied RF Test Bench PC program allow the user to add his personal touch and perform an application specific evaluation such as modifying operating frequency, data rate, output power and more.

Features

- RF Test mode
- 2-Way Link Test
- Simple Byte Transfer mode
- Advanced Byte Transfer mode
- Configurable modes
- ICD2 interface

Firmware includes:

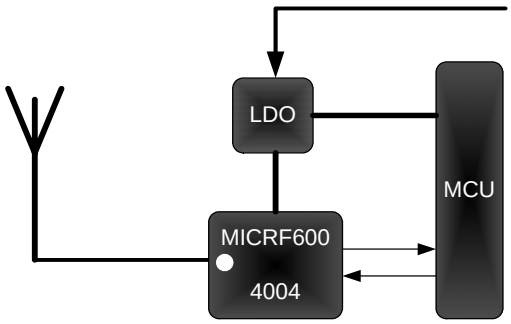
- MICRF505/6 SPI interface
- Data packet engine
- Cyclic Redundancy Check (CRC)
- Automatic ReQuest for retransmission (ARQ)
- FHSS according to FCC part 15.247
- RS232 interface (UART)

RadioWire Development System							
Part Number	Frequency range	Output power	Data rate	Sensitivity	RS232 data format	PC program	Comments
MICRF505DEV1	850MHz-950MHz	+10dBm	38.4kbps	-103dBm	9600-8-N-1	RF Test Bench	FCC part 15.247 compliant
MICRF506DEV1	410MHz-450MHz	+11dBm	38.4kbps	-105dBm	9600-8-N-1	RF Test Bench	EN300-220 compliant

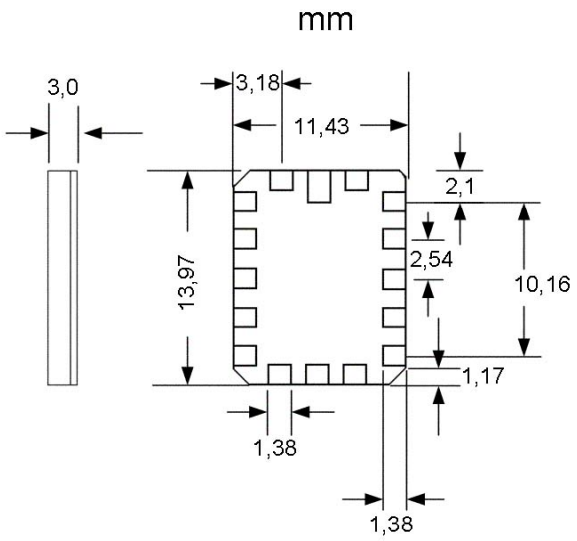
RadioWire® Modules

MICRF600/601:
-The fully self contained module-

The MICRF600/601 is the latest addition to the Micrel RadioWire module product range. Its small size and high performance makes it ideal in most wireless applications where time to market and wireless remote connection is advantageous over cables. The new family covers all major ISM bands below 2.4GHZ and makes it possible to have one motherboard covering a worldwide market.



Size: 11.5x14mm



- **Small size: 11.5x14mm**
- **No RF knowledge required**
- **No external RF components**
- **Low power consumption**
- **RF Tested**
- **Surface Mountable**
- **Tape & Reel**

- **Reference design**
- **FCC part 15.247 compliant**
- **EN300 220 compliant**
- **FHSS firmware in C++**
- **CRC 16 and ARQ**

RadioWire® Module Family

Part Number	Frequency Range	Sensitivity	Transmit Power	Maximum Rate	Tx Supply Current	Rx Supply Current	Package
MICRF600	902-926MHz	-106dBm	+10dBm	20kbps	28mA	13mA	14x11.5mm
MICRF601	410-450MHz	-107dBm	+10dBm	20kbps	21.5mA	12mA	14x 11.5mm