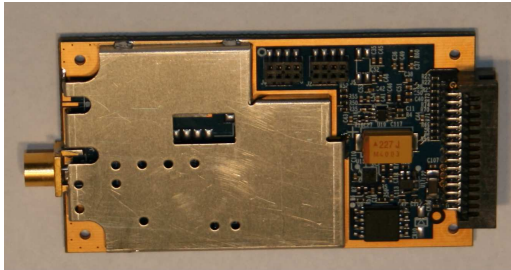


1W High Speed Wireless Digital Link



TR430-2G (430-470MHz, 860-940 MHz)
TR430-2G-1 (160 – 600 MHz)
TR430-2.5G (430-460 MHz, 900MHz ISM)

OEM Applications:

- ◆ UAV Control/ Telemetry
- ◆ Wireless Serial link
- ◆ Wireless telemetry link
- ◆ Wireless remote control
- ◆ Interoperability systems

DESCRIPTION

The TX430-2G is a 1W **secure, robust**, digital wireless 200Kbit/sec (380Kbit/sec with limited tuning specifications for the 430-2.5G) two-way link for OEM use. It is miniature (60mm x 33mm), lightweight (14 gram, including shielding) and low power.

Operating frequency: UHF, 20% tuning from center frequency in the range from 320MHz to 960MHz

Smart control: RF frequency synthesizing, power control and configuration utility that allows parameter changes on the fly.

TR430-2G (2.5G) Features

- RS232 at 1.2K-200Kbaud, half duplex (380Kbaud for the 430-2.5G)
- Remote control via receiver
- Radio section
RF output of 30dbm (1W)
RF input sensitivity of < -100 dBm
Includes Forward Error Correction (FEC) =>
Long Range
- Operating Voltage: 12V nominal, 9 to16V unregulated DC.
- Power consumption: 12V/400mA in Transmit
60 mA in Receive mode

TR430-2G (2.5G) Optional features

- Video link (with Video Compressor)
- One two-way audio channel to G.729.
- AES 256 Encryption
- GPS option
- Two analog telemetry inputs and outputs, each with 10 bit resolution and a 500Hz sampling rate