TELETRONICS INTERNATIONAL INC.

Focusing On Your Needs

UDC3500

2.4 GHz to 3.5 GHz Up/Down Converter 250mW

Ideal solution for 3.5 GHz Applications or places where 2.4 GHz is not usable any more due to interference. Works with all brands of 2.4GHz radios without any adjustments.

A highly linear product
that delivers 250mW of 3.5 GHz signal for long range applications. Outdoor unit delivers full power right at the antenna feed.

Also available in OEM package with 9V DC input for use within an existing 2.4GHz radio.

Specification

Frequency Band to Antenna	3440-3540 MHz
Frequency Band to Radio	2400-2500 MHz
Local Oscillator Frequency	1040 MHz
Frequency Stability	+/- 2.5 ppm

Transmitter (Up Converter)

Output Power (3.5 GHz)	250 mW (+24 dBm)
Input Power (2.4 GHz)	1 mW ~ 25 mW (0 dBm to 14 dBm)
Tx Conversion Gain	up to 17 dB

Receiver (Down Converter)

Noise Figure	4 dB max
Maximum Input Level	-20dBm
Rx Conversion Gain	10 dB
Input Filter	3440-3540 MHz
Output Filter	2400-2500 MHz
Rx Switching Time	< 1 μs

Environmental & Mechanical Characteristics

Operating Temperature	-40 °C to + 70 °C
Power	Tx: 9VDC @ 1.2A or Rx: 9VDC @ 0.4 Universal AC/DC Power Adapter 9V/1.2A included
Dimesions UDC Unit	6"L x 3.75" W x 1.25" H
Weight UDC Unit	2.0 lbs
RF Connector	N Female