



UDC4400

2.4 GHz to 4.4 GHz Up/Down Converter 10mW

Ideal solution to convert low cost "Off-the-Shelf" 2.4GHz Wireless LAN products to secured 4.4GHz (Military Band).

Various customized options available.

Specification

Frequency Band to Antenna	4400-4500 MHz
Frequency Band to Radio	2400-2500 MHz
Local Oscillator Frequency	2000/2075 MHz Switchable
Frequency Stability	+/- 2.5ppm

Transmitter (Up Converter)

Output Power (4.4 GHz)	10mW Max (-10 Min. / + 10 Max dBm)
Input Power (2.4 GHz)	1 mW ~ 100 mW (0 dBm to 20 dBm)
Tx Conversion Gain	10 dB

Receiver (Down Converter)

Noise Figure	3.5 dB max
Maximum Input Level	-20dBm
Rx Conversion Gain	12dB
Input Filter	4400 - 4500 MHz
Output Filter	2400 - 2500 MHz
Rx Switching Time	< 1 μ s



Item#: 13-401

Environmental & Mechanical Characteristics

Operating Temperature	-40 °C to + 70 °C
Power	12VDC @ 0.7 A
Dimesions UDC Unit	6"L x 3.75" W x 1.25" H
Weight UDC Unit	2.0 lbs
RF Connector	N-Type Female, 50 Ohm