



4.4 GHz, Frequency Converters 1 Watt UDC2444

This UDC (up down converter) converts any 2.4GHz radio to a 4.4GHz unit for use in military applications.

This 1 watt version, offers a high power solution in a small package. Ideal for both mobile & fixed applications.

The unit is packaged in outdoor watertight enclosure for all weather applications.



Specifications

Electrical:

Frequency band to Antenna	4400-4500 MHz
Frequency band to Radio	2400-2490 MHz
Operation	TDD, Time Division Duplex
Local Oscillator	6900 MHz
Transmit Output Power	1 Watt (30dBm) +/- 1dB
Transmit Input Power	5mW ~ 100mW (3dBm ~ 20 dBm)
Transmit Trigger Point	0 dBm
Transmit Gain	20 dB
Receive conversion gain	23 dB
P1dB	+30.0 dBm
Noise Figure	3.0dB
Frequency Stability	+/-2.5ppm
Power Consumption	240mA Rx, 1.7 A Tx @ 12 VDC

Mechanical:

Dimension:	5.7" x 3.5" x 1.0" (with N female connectors)
Enclosure:	machined aluminum housing with Anodized finish
Connectors:	Type N female
Weight:	13 Oz

Shireen Inc. also offers frequency converters in 1.8GHz band for use in military applications.