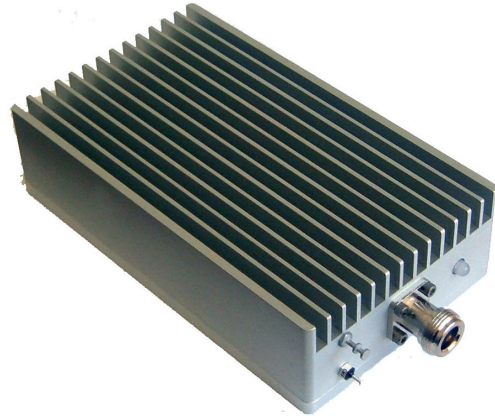




## 900 MHz, Frequency Converters 10 Watt UDC2409

This Up-down converter (UDC) converts any 2.4GHz radio to 900MHz unit and amplifies power to 10 watt. Thus allowing users to take advantage of lower band with better penetration. The added high output power (10 Watts) increases the coverage by many folds.



### Specifications

#### Electrical:

Frequency band to Antenna	902-928 MHz
Frequency band to Radio	2438-2464 MHz
Operation	TDD, Time Division Duplex
Local Oscillator	1536 MHz
Transmit Output Power	10 Watt (40 dBm)
P1dB	6~8 Watts
Transmit Input Power	10~ 16 dBm
Transmit Trigger Point	0dBm
Receive conversion gain	15dB
Receive P1dB	+10dBm
Noise Figure	4.0dB
Frequency Stability	+/-2.5ppm
Power Consumption	560mA Rx, 3.1 A Tx @ 12 VDC
Operating Temp	-40 °C to + 60 °C

#### Mechanical:

Dimension:	3.45" x 5.95" x 1.3"
Enclosure:	machined aluminum housing
Connectors:	SMA female or Type N female
Weight:	2 lbs