



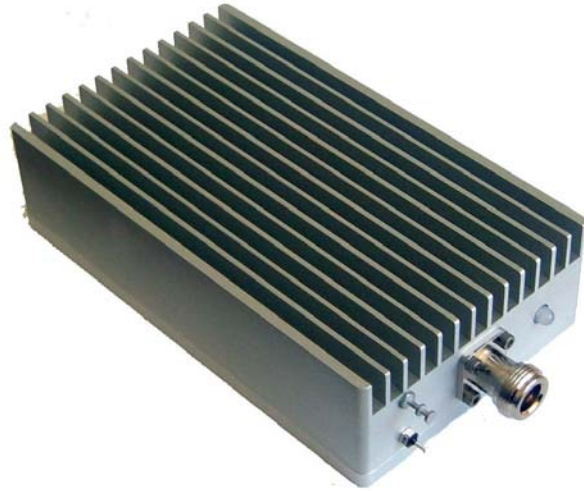
# 1.8 Ghz, Frequency Converters 10 Watt UDC2418-10

This UDC converts any 2.4GHz radio to 1.8GHz unit for use in military applications.

With 10 Watt output, the range can be extended by several folds.

In one direct line of sight applications, links of 105 miles was established with success.

*Also available in 5 watt and 50 watt versions.*



## Specifications

### Electrical:

Frequency band to Antenna	1760-1850 MHz	Tolerance
Frequency band to Radio	2400-2490 MHz	
Operation	TDD, Time Division Duplex	
Local Oscillator	640 MHz	
Transmit Output Power	10 Watt (40dBm)	+/- 0.5dB
Transmit Input Power	-2dBm ~ +15dBm	+/-1dB
Transmit Trigger Point	-2 dBm	+1 dB
Output at trigger point	28dBm	+/-1dB
Receive conversion gain	15dB	+/- 2dB
P1dB	+39 dBm	+/- 1dB
Noise Figure	4.0dB	+/- 1dB
Frequency Stability	+/-2.5ppm	
Power Consumption	700mA Rx, 2.2A Tx @ 28 VDC	

### Mechanical:

Dimension:	7.5" x 3.5" x 1.5" (including connectors and heat sink)
Enclosure:	machined aluminum housing with Anodized finish
Connectors:	Type N female
Weight:	1lbs, 12 Oz