

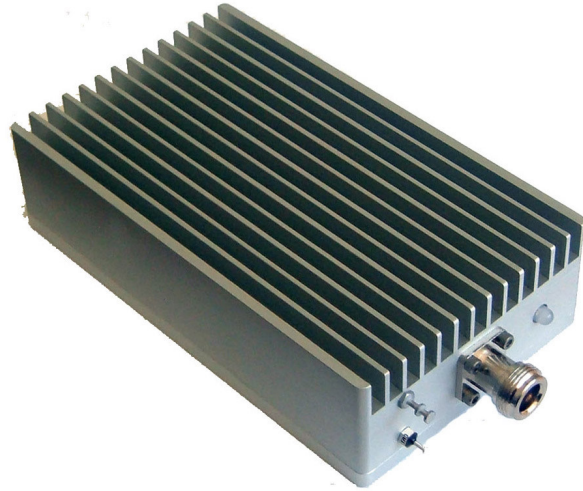


1.8 GHz, Frequency Converters 10 Watt UDC2418-10

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.

Ideal for applications where space is limited and higher power output is required.



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