



1.8 GHz, Frequency Converters 5 Watt UDC2418-05

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

This 5 watt version, offers a high power solution in a small package. Ideal for mobile applications.

****The unit requires proper heat sink if used in stand alone configuration.****



Also available in 10 Watt and 50 watts versions

Specifications

Electrical:

Frequency band to Antenna	1760-1850 MHz
Frequency band to Radio	2400-2490 MHz
Operation	TDD, Time Division Duplex
Local Oscillator	640 MHz
Transmit Output Power	5 Watt (37dBm) +/- 1dB
Transmit Input Power	-4dBm ~ +18dBm
Transmit Trigger Point	-4 dBm
Transmit Gain	22 dBm
Receive conversion gain	14dB
P1dB	+35 dBm
Noise Figure	4.0dB
Frequency Stability	+/-2.5ppm
Power Consumption	620mA Rx, 2.9A Tx @ 12 VDC

Mechanical:

Dimension:	4.8" x 2.9" x 1.0" (without heat sink)
Enclosure:	machined aluminum housing with Anodized finish
Connectors:	SMA female
Weight:	13 Oz