



1.8 GHz, Frequency Converters 50 Watt UDC2418-50

This UDC converts any 2.4GHz radio to a 1.8GHz unit for use in military applications and amplifies the power to 50 Watt output.

This high power unit is designed for fixed installs only.



Also available in 5 Watt and 10 Watt 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	50 Watt (47dBm) +/- 2 dB
Transmit Input Power	-4 dBm ~ +20dBm
Transmit Trigger Point	-4 dBm
Transmit Gain	30 dBm
Receive conversion gain	14 dB
P1dB	47 dBm
Noise Figure	4.0 dB
Frequency Stability	+/-2.5ppm
Power Consumption	160 Watt, 120 VAC

Mechanical:

Dimension:	19" rack
Connectors:	SMA female for radio Type N females for Antenna
Weight:	18 lbs