

***NUWAVES ENGINEERING INTRODUCES AN ULTRA VERSATILE,
HIGH PERFORMANCE MULTI-OCTAVE RF UPCONVERTER
FOR 2 MHz TO 3 GHz RF SYSTEMS AND SUBSYSTEMS***

Middletown, Ohio, September 20, 2016 – NuWaves Engineering, an international Radio Frequency (RF) and Microwave solutions provider, announces the release of a new high performance, multi-octave RF upconverter (MORF), the RF2-3000UCV1. The frequency programmable RF2-3000UCV1 delivers a spectrally pure RF output, while offering highly flexible input and output frequency range selections in order to provide the end user the ultimate design versatility.

The RF2-3000UCV1 upconverter module accepts a user-programmable IF input signal in the range of 2 MHz to 70 MHz and delivers an RF output at any user-programmable frequency between 2 MHz and 3 GHz, with a tuning resolution of 5 kHz. Delivering on performance, the upconverter boasts high dynamic range and user selectable bandwidths, and has 50 dB of attenuation control with incremental steps of 0.5 dB. The module is packaged in a small-form-factor, ruggedized aluminum enclosure measuring only 1.0” x 2.5” x 3.5”, and features SMA RF connectors. The RF upconverter operates at 6 VDC.

This RF2-3000UCV1 upconverter can be used in variety of applications, including waveform generators, communication systems, exciters, software defined radios (SDR), Joint Tactical Radio System (JTRS), satellite TV, cellular, and in test and laboratory systems. The RF upconverter can also be used on the bench as a standalone RF signal generator.

NuWaves Engineering is also offering a development kit to assist users in getting up-and-running quicker. The kit includes hardware, cables, and Graphical User Interface (GUI) software to provide user-friendly control. The GUI provides a quick and simple means to setup many of the parameters such as LO frequencies, attenuation control, and bandwidth selection.

“The RF2-3000UCV1 is a highly versatile product for use in a multitude of upconversion applications” said Jeff Wells, President and CEO of NuWaves Engineering. “Its small size allows easy integration into existing systems. This product has already seen use by the U.S. military, and has become a critical element of their RF systems. NuWaves purpose is to provide one-of-a-kind RF solutions to the U.S. military, and we are proud to support the Warfighter with this product.”

NuWaves Engineering is a veteran-owned, premier supplier of RF and Microwave solutions for Department of Defense (DoD), government, and industrial customers. An RF engineering powerhouse, NuWaves offers a broad range of design and engineering services related to the development and sustainment of key communications, telemetry and electronic warfare systems, as well as a complete line of commercially available RF products. NuWaves’ products include wideband frequency converters, high-efficiency and miniature solid state power amplifiers and bidirectional amplifiers, high intercept low noise amplifiers and miniature RF filters. NuWaves Engineering...Trusted RF Solutions™.

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