

MULTI-OCTAVE RF UPCONVERTER



FEATURES

- Small form factor
- Simple interface controls
- DC Power 6 VDC
- Wide input IF frequencies and power inputs
- Input can be modulated
- RF output can be toggled OFF
- 50 dB of RF Attenuation Control
- P1dB +8 dBm
- SMA connectors IN/OUT
- Flatness less than 2 dB over entire RF range
- Selectable IF Bandwidths
- Large dynamic IF range
- Case dimensions of 1.0" x 2.5" x 3.5"
- Freq step size 5 kHz
- The development kit includes all the hardware, cables, and GUI software to allow you to quickly get up and running

If you have other requirements, NuWaves provides state-of-the-art RF design services to customize products to your needs.

DEVELOPMENT KIT

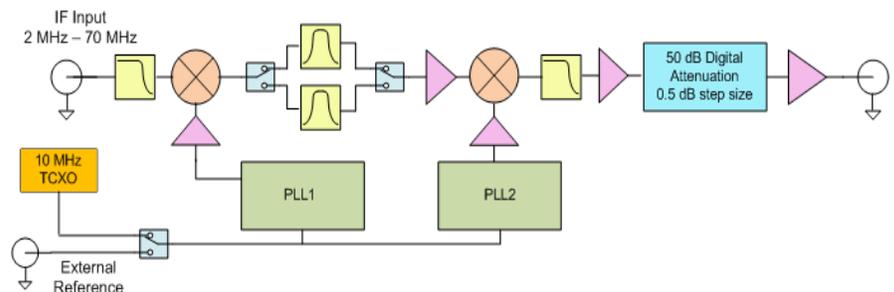


DESCRIPTION

NuWaves' Multi-Octave RF Upconverter Design:

The **RF2-3000UCV1** is a robust multi-functional upconverter for use in cellular, industrial, and military applications. Input IF frequencies range from 2 MHz to 70 MHz. Output RF frequencies range from 2 MHz to 3,000 MHz. The upconverter has 50 dB of attenuation control, in 0.5 dB increments. The upconverter is designed with fast PLL lock times, good input-output VSWR, low spurious emissions, and low LO phase noise. The operating temperature range is from 0° to +50° C.

These rich features cover the design requirements for most applications. The development kit provides a verbose, but intuitive user interface to set many parameters such as the LO frequency, attenuators, and much more.



NuWaves Engineering • 122 Edison Dr. • Middletown, Ohio 45044
www.nuwaves-ltd.com • 513-360-0800