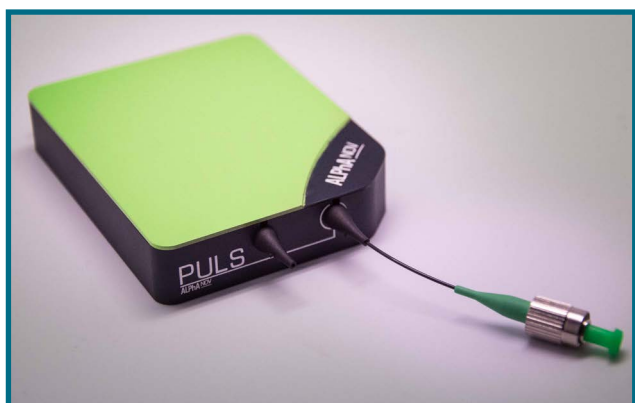


PULS

Versatile mode-locked oscillator

Since 2007, ALPhANOV has built a solid expertise in modelling, designing and prototyping of innovative fiber laser sources and components.



Based on a picosecond passively mode-locked fiber laser technology, our laser oscillators offer a unique, monolithic solution for seeding optical amplifiers, and for applications in multiphoton imaging, micro-machining and biophotonics.

Features:

- All PM fiber laser
- Near transform-limited output pulses
- Low timing jitter
- Linearly polarized
- Environmentally stable output
- Low power consumption
- Pocket size

| Specifications | 1030nm version | 1064nm version |
|------------------------------------|--|--|
| Average power (mW) | 1 - 40 depending on repetition rate | 1 - 40 depending on repetition rate |
| Pulse width * (ps) | 1 - 10 | 1 - 10 |
| Repetition rate (MHz) | 40 - 60 | 20 - 60 |
| Peak output power (W) | 50 - 100 | 50 - 100 |
| Spectral width (nm) | 0.1 - 3 | 0.1 - 3 |
| Polarization extinction ratio (dB) | >20 | >20 |
| Fiber type | PM Fiber | PM Fiber |
| Operating temperature (°C) | 15 - 35 | 15 - 35 |
| Dimensions (mm) | 90 x 68 x 16 | 90 x 68 x 16 |

* A $sech^2$ pulse shape is used to determine the full width at half maximum of the autocorrelation trace

- ALPhANOV also offers specific developments at 1550nm and at 2 μ m. Contact us with your technical specifications
- Pre-amplifier, Booster, SHG and THG modules on demand