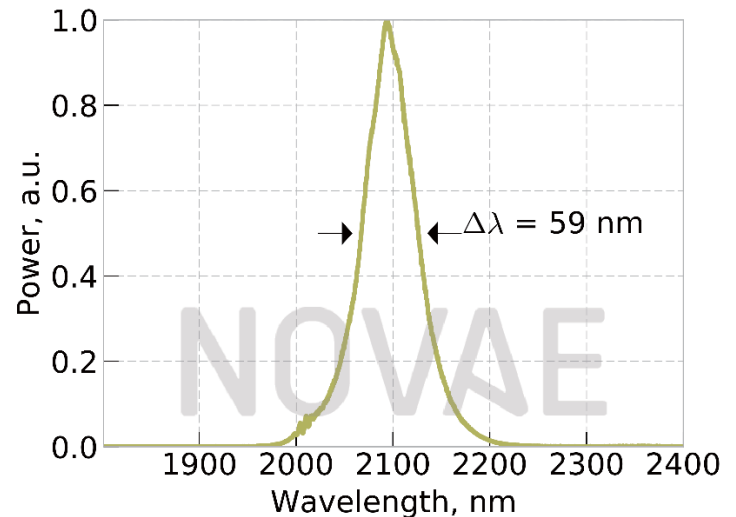
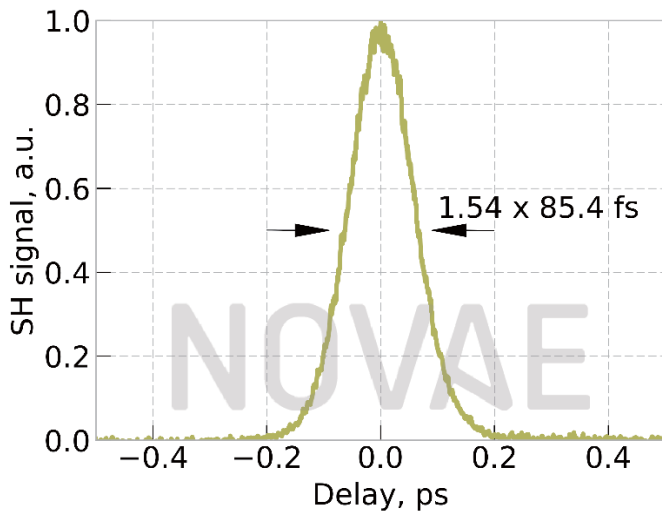


Brevity $\lambda+$

The mid-IR high peak power laser



- **2.1 μm** central wavelength
- High peak power **up to 100 kW**
- **Sub 100 fs** pulses
- **PER > 10 dB**
- 20 MHz repetition rate
- Perfect Gaussian beam

KEY APPLICATIONS

- Nonlinear optics
- Supercontinuum generation
- Harmonic generation
- Pump/probe measurements
- Seed source for high power systems

Brevity $\lambda+$ is a turn-key femtosecond fiber laser emitting at 2.1 μm . The very high peak power (100 kW) allows the use of this laser in a wide range of scientific applications such as nonlinear optics (supercontinuum generation, high harmonic generation) or pump/probe measurements.

Based on a patented seed source, this fiber laser emits transform limited pulses with sub-100 fs pulse duration and a PER larger than 10 dB.

Brevity $\lambda+$

The mid-IR high peak power laser



Optical specifications

Operating wavelength	2.1 μm typical
Output power	> 150 mW
Master repetition rate	20 MHz typical
Pulse duration	85 fs typical (FWHM)
Total power stability	$\pm 1\%$
Laser output	Collimated
Beam shape	Gaussian, single mode
Polarization state	Linearly polarized (PER > 10dB)

Mechanical/Electrical specifications

Operation voltage	100 – 240 V VAC 50/60 Hz
System cooling	Air cooled
Operating temperature	+20 °C to +30 °C
Dimensions (h×w×d)	177×440×470 mm ³ (×2)
Weight	10 kg (electrical) 13 kg (optical)

