

Mercury – Seed Mode Locked Femtosecond Fiber Lasers

Laser-Femto introduces high power ultra-short pulsed fiber laser modules/instruments with up to 250 mW average power and < 100 fs pulse width at 1530-1600 nm, and 200mW average power and < 200 fs width at 1025-1080 nm and 1950-2050 nm. These modules/instruments provide fiber outputs and a turn key solution as well as an embedded electronics with a computer interface.

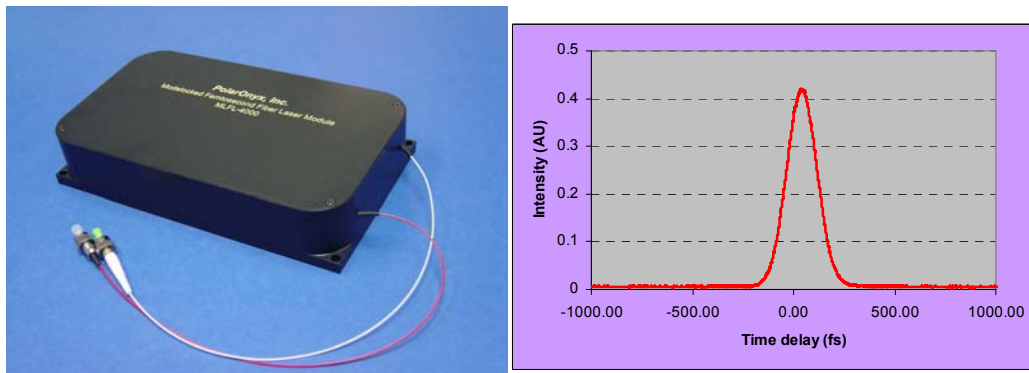


Figure 1 Mode-locked femtosecond fiber laser module and autocorrelator trace

Key features

- < 100 fs pulse
- Up to 250 mW average power
- Low cost
- Fiber delivery

Applications

- Instrumentation and measurement
- Ultrafast phenomena research
- Biomedical research and development
- Precision spectroscopy

1 um, 1.55 um, and 2 um Seed Mode Locked Femtosecond Fiber Laser Specifications

Item	Min	Typical	Max	Unit
Output average power			250	mW
Pulse width	50	100	200	fs
Wavelength range	1530	Fixed	1600	nm
	1025	Fixed	1080	nm
	1950	Fixed	2050	nm
Pulse repetition rate	10		200	MHz
Connector type		FC/APC		
Size	200x160x45 (module)			
	348x129x340 (instrument)			mm

Laser-Femto, Inc. reserves the right to change specs at any time without notice.

Note: Wavelength tuning is also available upon request.

