

PYFL-FEMTOP SERIES

PULSED YTTERBIUM FIBER LASER

ALL FIBER PM PS-FS LASER



KEY FEATURES

- All PM design
- No saturable absorber
- Self starting
- Available with repetition rates from 2.5 to 15 MHz
- Integrated software controller
- Serial PC interface

APPLICATIONS



One micron wavelength seed laser for chirped pulse amplification

Description

The PYFL-FEMTOP is a polarization-maintaining Ytterbium femtosecond pulsed laser based on passively modelocking technique.

The laser is highly stable with an all-polarization-maintaining configuration. It produces linearly chirped pulses which can be compressed to sub-picosecond duration.

This is an ideal candidate as a seed laser for femtosecond micromachining applications.

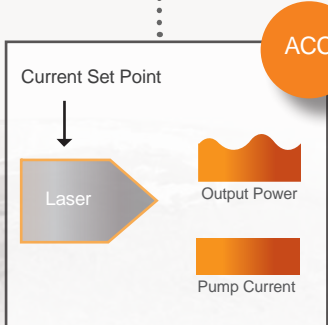
1 Platform

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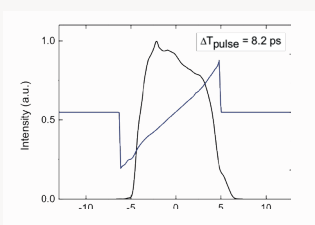
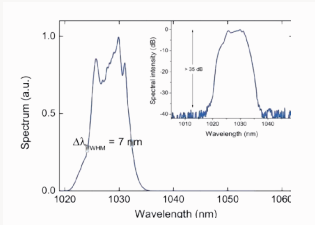


Mode of operation

The devices offer one mode of operation :



ACC (Automatic Current Control) mode is standard for all devices. The laser is controlled from diodes current set point.



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Optical Specifications @ 25 °C

	PYFL-FEMTOP
Mode of operation	Pulsed
Operating wavelength	1030 nm
Peak power	80 W (@ 15 MHz and 8 ps)
Average power	5 to 10 mW
Pulse repetition frequency	2,5 to 15 MHz
Spectral width	7 nm
Optical pulse duration	8 ps
Optical pulse duration after compression	300 fs (with grating compressor on option)
Optical polarization	Linear

The PYFL-FEMTOP series lasers are available as benchtop.

RELIABILITY

The Keopsys range of fiber lasers are manufactured with tested components and are submitted to several inspections during the manufacturing process under a rigorous quality management certified in accordance with the ISO 9001:2008 standard. Our all-in-fiber systems offer maintenance free operation. Countless units are continuously running in demanding environments with no failure.

GUARANTEE

Our fiber systems are under 1 full year parts and labor guarantee. We offer a warranty extension of 1 or 2 years. Please contact us.

For ordering information and custom solutions, please contact us : websales@keopsys.com



Keopsys undertakes a continuous and intensive product development program to ensure that its products perform to the highest technical standards. As a result, the specifications in this document are subject to change without notice.



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