

High Power Pulsed Fiber Laser at 1 Micron

The PFL-Y Series are maintenance-free Pulsed Fiber Lasers designed for different custom applications. These Pulsed Fiber Lasers deliver up to 10W of average output power, through a near diffraction limited beam with a peak power up to 10kW. The all-fiber design guarantees the robustness of the lasers, without any optical parts to align or to stabilize, which can operate under high shock, vibration and dust condition. Pulse repetition rate and output power can be controlled by RS232 or USB, which allows a simple integration into customer setup.

All PFL-Ys are available in Bench Top, 19" Rack-mount or Module formats.



Preliminary

Features

- Average output power: 20 mW to 10 W
- Peak power up to 10 kW
- Wavelength range from 1060 nm to 1090 nm
- Pulse duration from 1,5 to 100ns
- Near diffraction limited beam
- High wall-plug efficiency
- RS232 or USB interface
- High performance-to-cost ratio
- Custom design flexibility

Applications

- Material processing
- Topographic scanning (3D imaging)
- Spectroscopy
- LIDAR
- Medical device and tools
- Range finder
- R&D

Specification

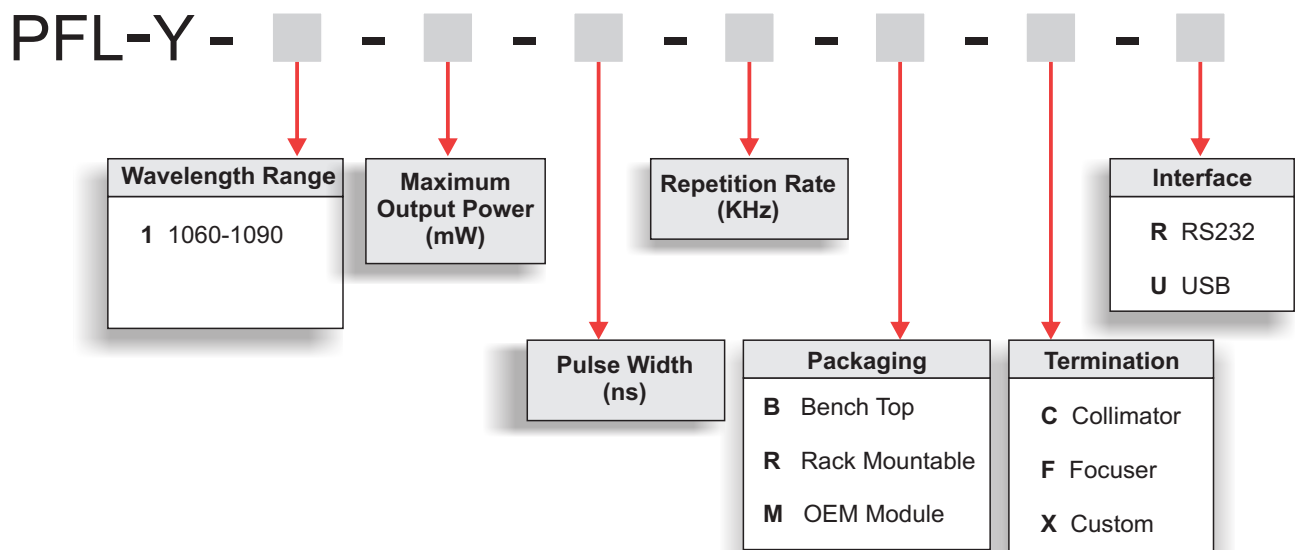
Parameters	Unit	Value
Average output power	W	0.02 to 10
Peak power	kW	Up to 10
Wavelength range	nm	1060-1090
Pulse width (FWHM)	ns	1.5 to 100
Repetition rate	kHz	Up to 300
Data input		TTL level input
Cooling		forced air
Operating temperature	C	-10 to +50
Storage temperature	C	-40 to +85
Humidity	%	5 to 95 (Non-condensing)

Ordering information

Indicate your requirements by selecting one option from each configuration table.
For more information on this or other products and their availability, please contact QGLex Inc.

Sample: PFL-Y-1-500-5-50-M-F-R

Note: Some specific combinations of options may not be available, please contact QGLex Inc.



User Safety

The invisible and visible laser light emitted from this laser system is harmful to the human eye. Laser safety practices should be followed and proper eyewear must be worn during operation.

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