

Eye-safe Picosecond Fiber Laser for LIDAR and 3D Sensing Applications



Portable. Compact. Battery-Powered.

Introducing the New, Portable, Eye-safe, Picosecond Source.

Mendocino LDR is the first, battery-powered, ultrafast fiber laser specifically developed for optical communications and high resolution LIDAR and 3D sensing applications.

- Eye-safe, 1550 nm output
- Transform-limited 10 ps pulse width
- Output power of > 5 mW at 10 MHz
- Fiber pigtail delivery
- Passively air-cooled module
- < 3 W power consumption
- Portable, battery-powered
- Rugged all-fiber design

Mendocino LDR Technical Specifications

Parameter	Specifications
Central Wavelength (nm)	1550 ± 1
Pulse Width (ps) *	5 - 10
Spectrum Width (nm)	< 0.5
Average Output Power (mW)	> 5
Repetition Rate (MHz)	10
Polarization Extinction Ratio (dB)	> 20
Fiber Type	PM 1550 Panda
Termination	Free-space or fiber pigtail with FC/APC connector
Electrical Interface	9-pin D-sub connector
Operating Voltage (VDC)	3.3 V
Power Consumption (W)	< 3, optional battery-powered
Operating Temperature (°C)	10 - 40
Dimensions (cm)	9.5 (W) x 12.7 (D) x 2.5 (H)

* A $sech^2$ pulse shape (convolution factor of 0.65) is used to determine the pulse width from the second harmonic autocorrelation trace.

Due to our continuous improvement program, specifications are subject to change without notice.

