MENDOCINO

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.

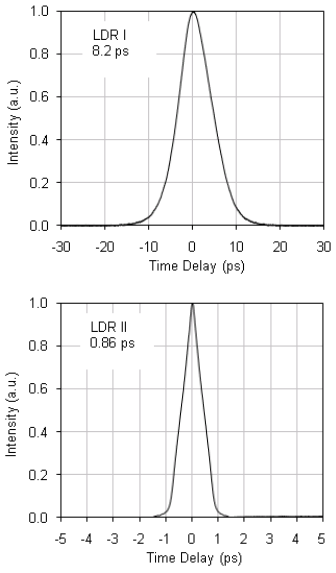
- Eye-safe, 1550 nm output
- Near transform-limited pulse widths of 1 to 10 ps
- Output power up to 10 mW at 10 MHz
- Fiber pigtail delivery
- Passively air-cooled module
- < 3 W power consumption
- Portable, battery-powered option
- Rugged all-fiber design

Mendocino LDR Technical Specifications

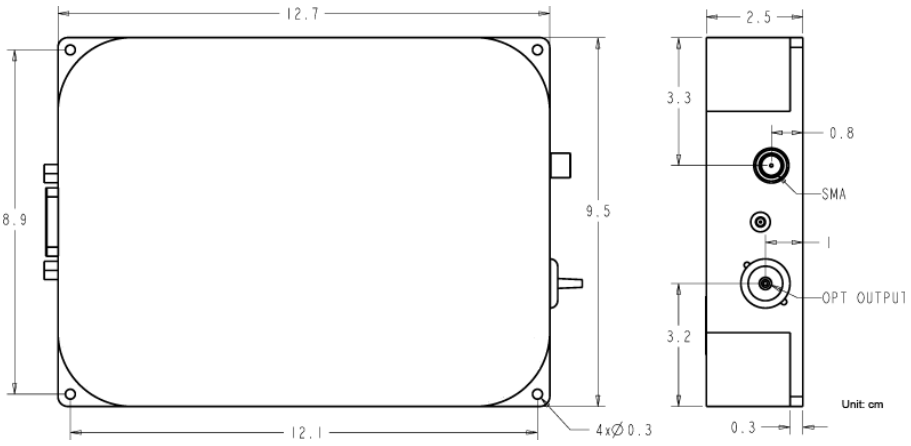
Model Number	FPL-M3CFF-	
Option	LDR I	LDR II
Average Power (mW)	> 5	~ 10
Repetition Rate (MHz)	10	
Central Wavelength (nm)	~ 1550	
Pulse Width[1] (ps)	5 - 10	~ 1
Spectral Width (FWHM, nm)	< 0.5	~ 10
Polarization Extinction Ratio (dB)	> 20	
Fiber Type	PM 1550 Panda	
Termination/Output	Free-space or fiber pigtail with FC/APC connector	
Operating Voltage (VDC)	< 3.3 V	
Power Consumption (W)	< 3, optional battery-powered	
RF Synchronization Output (V)	~ 0.2 (typical), SMA connector	
Electrical Interface	9 pin D-sub connector	
Operating Temperature (°C)	15 - 35	
Dimensions (cm)	9.5 (W) x 12.7 (D) x 2.5 (H)	

1. A sech² 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 philosophy, all product specifications are subject to change without prior notice. Please contact sales@calmarlaser.com for customized specifications.



Typical Autocorrelation Trace.



CALMAR LASER