

Key Features

- Compact MOPA fiber laser
- $\geq 10\text{kW}$ peak power for pulse duration of $\leq 3\text{ns}$ in 1550nm

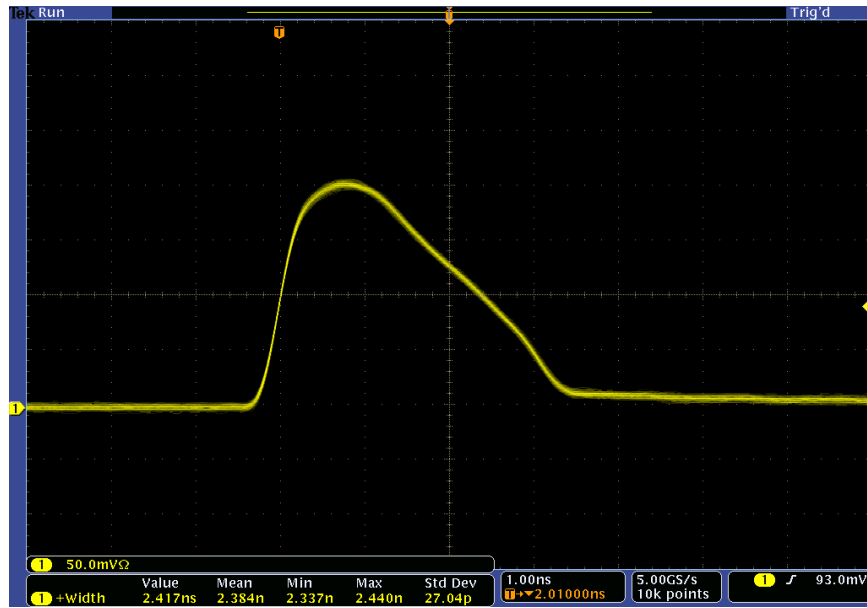
Applications

- Ruggedized light source for LIDAR in eye-safe wavelength

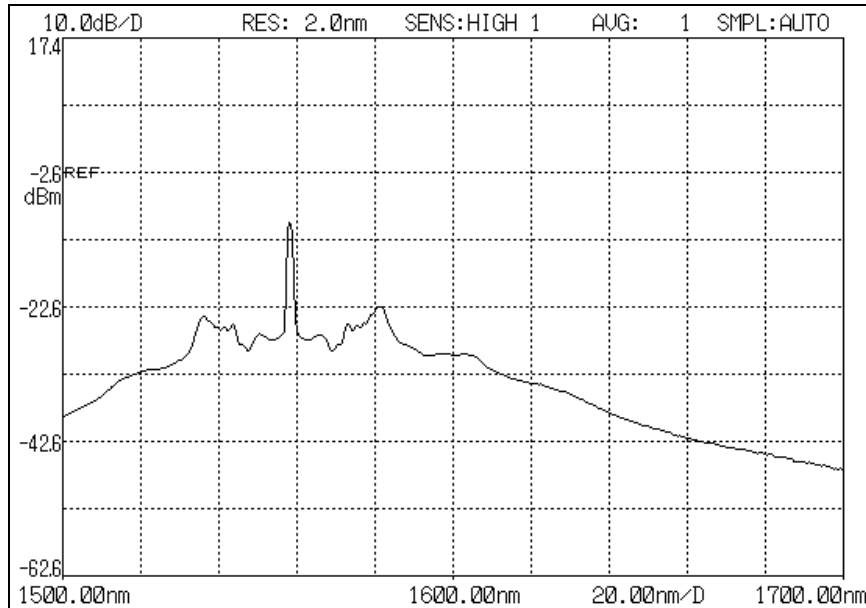
Typical Specifications

Model Number	EDFL-Nano-1558-3-30-2-FCA
Fiber Laser Pulses Timing	External Triggered, TTL input
Center Wavelength [nm]	1558
Pulse Width [ns]	2.5
Pulse Energy [μJ]	Up to 30
Laser Output Power [W]	≤ 2
Laser Output Termination	FC/APC, mating collimator available
Repetition rate [kHz]	50 to 1000
Laser Output Pulse Peak Power [kW]	Up to 12 kW
Polarization	Random
Output Beam Quality	full angle beam divergence ≤ 0.50 mrad
Dimension [mm]	120 x 120 x 25
Operation Temperature [$^{\circ}\text{C}$]	-10 to +60 Case Temperature
Input Voltage	24VDC
DC power Consumption [W]	≤ 25 [at 2W output power, +50 $^{\circ}\text{C}$ case temperature]
PC Communication Interface	RS232

Specifications are subject to change without prior notice



Typical output pulse shape



Typical output spectrum