

# Tunable Seed Laser



## FEATURES

- Electrically modulated DFB laser diode without external fiber amplifiers
- Pulse duration down to <35 ps
- Tunable pulse duration and pulse repetition rate

## APPLICATIONS

- Seeding high-power fiber amplifier chains

## Specifications

<b>Center wavelength</b>	<b>1030 nm or 1064 nm, tunable <math>\pm 1</math> nm</b>
<b>Spectral width</b>	<b>0.1 – 0.3 nm, depending on pulse duration</b>
<b>Pulse duration</b>	<b>&lt;35 ps – 1 ns tunable via RS-232 command</b>
<b>Peak power</b>	<b>500 mW (@35 ps), 250 mW (@1 ns)</b>
<b>Pulse repetition rate</b>	<b>5 MHz to 20 MHz tunable via RS-232 command</b>
<b>Optical output</b>	<b>Through PM-fiber pigtail</b>
<b>Polarization</b>	<b>Linear</b>
<b>Optical isolation</b>	<b>Optional output optical isolator</b>
<b>Size</b>	<b>140 mm x 100 mm x 30 mm</b>
<b>Power supply</b>	<b>12 – 24 V</b>
<b>Power consumption</b>	<b>5 W</b>
<b>Cooling</b>	<b>Radiative cooling</b>
<b>Operating temperature</b>	<b>5° C – 50° C</b>
<b>Control</b>	<b>RS-232</b>