1030nm mode-locked, ultrafast femtosecond seed laser

Description

Hibri-fs-seed-1030 is a polarization-maintained, mode-locked fiber laser. This femtosecond seed laser is compact and reliable, with excellent pulse-to-pulse stability. A typical output spectra is shown in the following figure.

![Spectra Graph](image)

Specifications

<table>
<thead>
<tr>
<th></th>
<th>Seed</th>
<th>Seed Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>1030 ± 5 nm</td>
<td></td>
</tr>
<tr>
<td>Average Output Power</td>
<td>&gt;10 mW (typically ~20mW)</td>
<td>&gt;200mW</td>
</tr>
<tr>
<td>Spectral Bandwidth</td>
<td>&gt;6nm (typically ~8nm)</td>
<td>&gt;6nm (typically ~8nm)</td>
</tr>
<tr>
<td>Pulse Width Directly from Oscillator</td>
<td>1-2 ps</td>
<td></td>
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<tr>
<td>Compressed Pulse Width</td>
<td></td>
<td>&lt;300 fs*</td>
</tr>
<tr>
<td>Repetition Rate</td>
<td></td>
<td>28 ±5 MHz</td>
</tr>
<tr>
<td>Output Port · Standard</td>
<td></td>
<td>Fiber-Coupled FC/APC, Linearly Polarized</td>
</tr>
</tbody>
</table>

*with external compressor

Features

> Turnkey Operation, Self-Starting Laser Configuration
> Compact Size
Products

1030nm mode-locked, ultrafast femtosecond seed laser
1030nm mode-locked, ultrafast picosecond seed laser
Ultra-broadband ASE source
Custom laser sources

Applications

> Maintenance Free
> Low Cost of Ownership

Applications

> Ultrafast Spectroscopy
> Material Characterization
> Seed for High Energy Ultrafast Solid State Laser
> Microfabrication
> Bioimaging
> Cell Manipulation
> Nonlinear Optics