Laser diodes & Turn-key solutions from 1270 to 1650 nm

www.aerodiode.com
Choose your own fiber-coupled DFB laser diode + turn-key driver solution from 1270 to 1650 nm

Standard singlemode DFB or Bragg laser diodes from 10 to 400 mW are sourced from the most reliable manufacturers and offered as stock items or associated with a CW or nanosecond pulsed turn-key driver.

1st
Choose your laser diode:

<table>
<thead>
<tr>
<th>Diode Type</th>
<th>Power (CW)</th>
<th>Power (Pulse)</th>
<th>Technology</th>
<th>Wavelength (nm)</th>
<th>Fiber</th>
<th>Emission Bandwidth (Typ)</th>
<th>Package (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10 mW</td>
<td>20 mW</td>
<td>Single mode DFB</td>
<td>Any wavelength between 1270 and 1650 nm</td>
<td>SMF or PM versions available</td>
<td>&lt; 0.3 nm</td>
<td>14 pin Butterfly-type 1 pinning (type-2 available - DFB models only)</td>
</tr>
<tr>
<td>2</td>
<td>40 mW</td>
<td>80 mW</td>
<td>Single mode DFB</td>
<td>Any wavelength between 1270 and 1650 nm</td>
<td>SMF or PM versions available</td>
<td>&lt; 0.3 nm</td>
<td>14 pin Butterfly-type 1 pinning (type-2 available - DFB models only)</td>
</tr>
<tr>
<td>3</td>
<td>100 mW</td>
<td>200 mW</td>
<td>Single mode DFB</td>
<td>Any wavelength between 1270 and 1650 nm</td>
<td>SMF or PM versions available</td>
<td>&lt; 0.3 nm</td>
<td>14 pin Butterfly-type 1 pinning (type-2 available - DFB models only)</td>
</tr>
<tr>
<td>4</td>
<td>400 mW</td>
<td>600 mW</td>
<td>Single mode DFB + Bragg grating</td>
<td>Any wavelength between 1420 and 1500 nm</td>
<td>SMF or PM versions available</td>
<td>&lt; 2 nm</td>
<td>14 pin Butterfly-type 1 pinning (type-2 available - DFB models only)</td>
</tr>
</tbody>
</table>

2nd
Choose your Driver performance:

<table>
<thead>
<tr>
<th>LASER DIODE VERSION</th>
<th>CW Driver (for singlemode diodes «CCS-CW» is the open driver and «CCSI-CW» is the integrated version)</th>
<th>Pulse &amp; CW Driver (from 1 ns to CW : «CCS» is the open driver and «CCSI» is the integrated version)</th>
<th>User design pulse shape Driver (From 0.5 ns to 8 µs : «SHA-PER» is the open driver and Shaper-i is the integrated version)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1- 10 mW</td>
<td>10 mW / No</td>
<td>10 mW / 20 mW</td>
<td>No / 20 mW</td>
</tr>
<tr>
<td>2- 40 mW</td>
<td>40 mW / No</td>
<td>40 mW / 80 mW</td>
<td>No / 80 mW</td>
</tr>
<tr>
<td>3- 100 mW</td>
<td>100 mW / No</td>
<td>100 mW / 200 mW</td>
<td>No / 200 mW</td>
</tr>
<tr>
<td>4- 400 mW</td>
<td>400 mW / No</td>
<td>400 mW / 600 mW</td>
<td>No / 400 mW</td>
</tr>
</tbody>
</table>

3rd
Choose your product form factor: OPEN-FRAME or INTEGRATED

OPEN-FRAME VERSIONS:

- CCS-CW
- CCS-std/HP

- Open-frame driver for CW, std and HP electronics boards for single mode diodes

INTEGRATED VERSIONS:

- CCSI-CW/ std/HP

- Integrated version for CW, std and HP electronics boards

- SHAPER

- Open-frame driver for «Shaper» electronic board and single mode diodes

- SHAPER-I

- Integrated version for Shaper electronics board

www.aerodiode.com
GUI (examples)

Mechanical (examples):

CW & Pulsed

SHAPER

Classification:

<table>
<thead>
<tr>
<th>Name</th>
<th>1550 LD</th>
</tr>
</thead>
</table>
| Diode type | 1: 10 mW DFB Butterfly singlemode  
2: 40 mW DFB Butterfly singlemode  
3: 100 mW DFB singlemode  
4: 400 mW Bragg singlemode |
| Wavelength | Choose any wavelength between 1270 and 1650 nm (models 1-3) or between 1420 and 1500 nm (models 4) |
| Driver Electronics | 0 : Laser diode alone  
1: CCS-CW (open driver for CW only)  
2: CCS-std (Pulse and CW Driver)  
3 : SHAPER (pulse only with user design pulse shape) |
| Form Factor | 1: Open  
2: Integrated |

Ordering information:

Wavelength (any value between 1270 and 1650 nm)

Example: 1550LD-3-2-2 = 1550 nm 100 mW laser diode with a PM Panda fiber output, mounted on a «pulsed On/Off & CW» driver