980 nm laser diode & Turn-key solutions

AeroDIODE

www.aerodiode.com
980 nm laser diode

Choose your own fiber-coupled laser diode + turn-key Driver solution

Standard singlemode or multimode laser diodes are sourced from the most reliable manufacturers and offered as stock items or associated with a CW or pulsed turn-key laser diode driver.

Choose your own fiber-coupled laser diode + turn-key Driver solution

Choose your laser diode:

1. 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>300 mW</td>
<td>1000 mW</td>
<td>Butterfly single mode</td>
<td>981 ± 0.5 nm</td>
<td>PM 980D</td>
<td>~0.1 nm</td>
<td>14 pin Butterfly-type 1</td>
</tr>
<tr>
<td>2</td>
<td>600 mW</td>
<td>1200 mW</td>
<td>Multimode single emitter</td>
<td>980 ± 10 nm</td>
<td>Multimode 136 µm NA=0.22</td>
<td>~5 nm</td>
<td>38.5<em>45</em>10</td>
</tr>
<tr>
<td>3</td>
<td>10 W</td>
<td>10 W</td>
<td>Multimode single emitter</td>
<td>980 ± 10 nm</td>
<td>Multimode 136 µm NA=0.22</td>
<td>~5 nm</td>
<td>48<em>75</em>15</td>
</tr>
<tr>
<td>4</td>
<td>30 W</td>
<td>50 W</td>
<td>Multimode single emitter</td>
<td>980 ± 10 nm</td>
<td>Multimode 136 µm NA=0.22</td>
<td>~5 nm</td>
<td>54<em>99</em>15.5</td>
</tr>
<tr>
<td>5</td>
<td>80 W</td>
<td>100 W</td>
<td>Multimode single emitter</td>
<td>980 ± 10 nm</td>
<td>Multimode 136 µm NA=0.22</td>
<td>~5 nm</td>
<td>54<em>99</em>15.5</td>
</tr>
<tr>
<td>6</td>
<td>150 W</td>
<td>150 W</td>
<td>Multimode single emitter</td>
<td>980 ± 10 nm</td>
<td>Multimode 136 µm NA=0.22</td>
<td>~5 nm</td>
<td>54<em>99</em>15.5</td>
</tr>
</tbody>
</table>

2. Choose your Driver performance:

<table>
<thead>
<tr>
<th>LASER DRIVER VERSION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(for singlemode diodes : «CCM-CW» is the open driver and CCSI-CW is the integrated version)</td>
</tr>
<tr>
<td>Output Power - CW / Pulse (Typical values)</td>
</tr>
<tr>
<td>1- single mode 300 mW / No</td>
</tr>
<tr>
<td>2- single mode 800 mW / No</td>
</tr>
<tr>
<td>3- Multimode 10 W / 30 W / 80 W or 150 W</td>
</tr>
</tbody>
</table>

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

OPEN-FRAME VERSIONS:

- CCS-CW
- CCS-std/HP
- «CCM» Open-frame driver for Multimode diodes
- SHAPER
- Open-frame driver for «Shaper» electronic Board and single mode diodes

INTEGRATED VERSIONS:

- CCSI-CW/ std/HP/HPP
- «CCM» Integrated version for Shaper electronics Board
- SHAPER-I
- Integrated version for CW, std and HP electronics Boards
- CCMI
- «CCM» Integrated version for Multi-mode diodes
- Interface/GUI/libraries
- USB - Windows 7/10 - DLLs - Hexa/Linux - Labview - Python

Aerodiode

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# Technical Specifications

## Classification:

<table>
<thead>
<tr>
<th>Name</th>
<th>980LD:</th>
</tr>
</thead>
</table>
| **Diode type** | 1: 300 mW Butterfly singlemode  
2: 600 mW Butterfly singlemode  
3: 10 W multimode  
4: 30 W multimode  
5: 80 W multimode  
6: 150 W multimode |
| **Driver Electronics** | 1: CCS-CW (open driver for CW only)  
2: CCS-std (Standard Pulse and CW Driver)  
3 : SHAPER (pulse only with user design pulse shape)  
4 : CCM (for multimode diodes) |
| **Form Factor** | 1: Open  
2: Integrated |

## Ordering information:

980LD - [ ] - [ ] - [ ]

- **Diode type**
  - 1  
  - 2  
  - 3  
  - 4  
  - 5  
  - 6

- **Driver type**
  - 1  
  - 2  
  - 3  
  - 4

- **Form Factor**
  - 1  
  - 2