976 nm laser diode & turn-key solutions
976 nm laser diode

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

Standard singlemode or multimode laser diodes are offered as stock items or associated with a CW or pulsed turn-key laser diode driver. All modules have narrow emission bandwidth.

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>300 mW</td>
<td>1000 mW</td>
<td>Butterfly single mode</td>
<td>976±0.5nm</td>
<td>SPM 980</td>
<td>~0.1 nm</td>
<td>14 pin Butterfly-type 1</td>
</tr>
<tr>
<td>2</td>
<td>750 mW</td>
<td>1200 mW</td>
<td>Multimode single emitter</td>
<td>750 mW</td>
<td>100 µm</td>
<td>~0.5 nm</td>
<td>17<em>14</em>6.1</td>
</tr>
<tr>
<td>3</td>
<td>10 W</td>
<td>10 W</td>
<td>Multimode single emitter</td>
<td>300 mW</td>
<td>200 µm</td>
<td>~0.5 nm</td>
<td>17<em>14</em>6.1</td>
</tr>
<tr>
<td>4</td>
<td>30 W</td>
<td>30 W</td>
<td>Multimode single emitter</td>
<td>30 W</td>
<td>200 µm</td>
<td>~0.5 nm</td>
<td>17<em>14</em>6.1</td>
</tr>
<tr>
<td>5</td>
<td>60 W</td>
<td>60 W</td>
<td>Multimode single emitter</td>
<td>60 W</td>
<td>200 µm</td>
<td>~0.5 nm</td>
<td>17<em>14</em>6.1</td>
</tr>
<tr>
<td>6</td>
<td>140 W</td>
<td>140 W</td>
<td>Multimode single emitter</td>
<td>140 W</td>
<td>200 µm</td>
<td>~0.5 nm</td>
<td>17<em>14</em>6.1</td>
</tr>
<tr>
<td>7</td>
<td>180 W</td>
<td>180 W</td>
<td>Multimode single emitter</td>
<td>180 W</td>
<td>200 µm</td>
<td>~0.5 nm</td>
<td>17<em>14</em>6.1</td>
</tr>
</tbody>
</table>

2nd
Choose your Driver performance:

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

OPEN-FRAME VERSIONS:

- CCS-CW
- CCS-std/HP
- SHAPER

INTEGRATED VERSIONS:

- CCSI-CW/ std/HP/HPP
- CCM
- SHAPER-I
- CCMI

Aerodiode

www.aerodiode.com
Technical Specifications

**GUI (examples)**

**Mechanical (examples):**

**Classification:**

<table>
<thead>
<tr>
<th>Name</th>
<th>976LD:</th>
</tr>
</thead>
</table>
| **Diode type** | 1: 300 mW Butterfly singlemode  
2: 750 mW Butterfly singlemode  
3: 10 W multimode  
4: 30 W multimode  
5: 60 W multimode  
6: 140 W multimode  
7: 180 W multimode |
| **Driver Electronics:** | 0: No driver (Laser diode only)  
1: CW (CW laser emission driver)  
2: Pulse & CW (Pulse and CW driver)  
3: SHAPER (User design temporal pulse shape driver)  
4: High Power (for multimode diodes model 3 to 7) |
| **Form Factor** | 0: No driver (Laser diode only)  
1: Open frame  
2: Integrated |

**Ordering information:**

976LD - [ ] - [ ] - [ ]

Diode type  
0  
1  
2  
3  
4  
5  
6  
7  

Driver type  
0  
1  
2  
3  
4  

Form Factor  
0  
1  
2  

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