915 nm Laser diode & Turn-key solutions

AeroDiODE

www.aerodiode.com
915 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.

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>600 mW</td>
<td>Butterfly single mode</td>
<td>915±5 nm</td>
<td>PM 980</td>
<td>~0.1 nm</td>
<td>14 pin Butterfly-type 1</td>
</tr>
<tr>
<td>2</td>
<td>10 W</td>
<td>10 W</td>
<td>Multimode single emitter</td>
<td>915±10 nm</td>
<td>Multimode 106 µm NA=0.22</td>
<td>~5 nm</td>
<td>38.5<em>45</em>10</td>
</tr>
<tr>
<td>3</td>
<td>45 W</td>
<td>45 W</td>
<td>Multimode single emitter</td>
<td>915±10 nm</td>
<td>Multimode 106 µm NA=0.22</td>
<td>~5 nm</td>
<td>48<em>75</em>15</td>
</tr>
<tr>
<td>4</td>
<td>80 W</td>
<td>80 W</td>
<td>Multimode single emitter</td>
<td>915±10 nm</td>
<td>Multimode 106 µm NA=0.22</td>
<td>~5 nm</td>
<td>54<em>99</em>15.5</td>
</tr>
<tr>
<td>5</td>
<td>140 W</td>
<td>140 W</td>
<td>Multimode single emitter</td>
<td>915±10 nm</td>
<td>Multimode 106 µm NA=0.22</td>
<td>~5 nm</td>
<td>54<em>99</em>15.5</td>
</tr>
</tbody>
</table>

2nd
Choose your Driver performance:

<table>
<thead>
<tr>
<th>LASER DRIVER VERSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1- single mode</td>
</tr>
<tr>
<td>2- Multimode</td>
</tr>
<tr>
<td>3- User design Pulse shape</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Output Power - CW / Pulse (Typical values)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1- single mode 300 mW / No</td>
</tr>
<tr>
<td>2- Multimode 10 W / 45 W / 80 W or 140 W</td>
</tr>
<tr>
<td>3- User design Pulse shape: No</td>
</tr>
</tbody>
</table>

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
- SHAPER-I
- CCM

- <CCM> Open-frame driver for Multimode diodes
- <CCM> Integrated driver for Multimode diodes

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# Technical Specifications

## Classification:

<table>
<thead>
<tr>
<th>Name</th>
<th>915LD:</th>
</tr>
</thead>
</table>
| **Diode type** | 1: 300 mW Butterfly singlemode  
2: 10 W multimode  
3: 45 W multimode  
4: 80 W multimode  
5: 140 W multimode |
| **Driver Electronics** | 0: No driver (laser diode alone)  
1: CW (CW laser emission only)  
2: Pulsed and CW Driver  
3: SHAPER (user design temporal pulse shape)  
4: CCM/CCMI (for multimode high power laser diodes) |
| **Form Factor** | 0: No driver (laser diode alone)  
1: Open frame driver version  
2: Integrated driver version |

## Ordering information:

915LD - [ ] - [ ] - [

- **Diode type**
  - 1
  - 2
  - 3
  - 4
  - 5
- **Driver type**
  - 0
- **Form Factor**
  - 0
  - 1
  - 2