808 nm Laser diode & Turn-key solutions

AeroDIODE

www.aerodiode.com
Standard singlemode or multimode laser diodes are offered as stock items or associated with a CW or pulsed open-frame or turn-key laser diode driver.

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

Choose your laser diode:

1st

- **Diode type**
- **Power (CW)**
- **Power (Pulse)**
- **Nominal Level**
- **Technology**
- **Wavelength (nm)**
- **Fiber**
- **Emission BW**
- **Package (mm)**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>250 mW</td>
<td>600 mW</td>
<td>400 mA ~ 2 V</td>
<td>Butterfly single mode</td>
<td>808 ± 3 nm (± 1 nm Typ.)</td>
<td>PM 780</td>
<td>~ 1 nm</td>
<td>14 pin Butterfly type I</td>
</tr>
<tr>
<td>2</td>
<td>10 W</td>
<td>10 W</td>
<td>3.5 A ~ 5.5 V</td>
<td>Multimode single emitter</td>
<td>Multimode 100 μm NA=0.22</td>
<td>~ 3.5 mm</td>
<td>5.15*10</td>
<td></td>
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<tr>
<td>3</td>
<td>35 W</td>
<td>35 W</td>
<td>6.5 A ~ 13.5 V</td>
<td>Multimode multi emitter</td>
<td>808 ± 4 nm (± 1 nm Typ.)</td>
<td>200μm/0.22</td>
<td>~ 4 mm</td>
<td>2<em>65</em>14</td>
</tr>
<tr>
<td>4</td>
<td>60 W</td>
<td>60 W</td>
<td>7 A ~ 22.5 V</td>
<td>Multimode multi emitter</td>
<td>808 ± 4 nm (± 1 nm Typ.)</td>
<td>200μm/0.22</td>
<td>~ 4 mm</td>
<td>2<em>65</em>14</td>
</tr>
<tr>
<td>5</td>
<td>100 W</td>
<td>100 W</td>
<td>9.5 A ~ 27 V</td>
<td>Multimode multi emitter</td>
<td>808 ± 4 nm (± 1 nm Typ.)</td>
<td>200μm/0.22</td>
<td>~ 4 mm</td>
<td>2<em>65</em>14</td>
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2nd

**Choose your Driver performance:**

- **Output Power - CW / Pulse**
- **User design Pulse shape**
- **Laser diode °C**
- **Pulse duration (Ext trigger)**
- **Pulse duration (Internal pulse generator)**
- **Typ rise/fall time ; Min Pulse duration**
- **Internal rep rate adjustment**
- **Temporal Jitter**
- **Adj. CW offset [pulse regime]**
- **Interface/GUI/libraries**

3rd

**Choose your product form factor : OPEN-FRAME or TURN-KEY**

**OPEN-FRAME VERSIONS :**

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

**TURN-KEY VERSIONS :**

- **SHAPER-I**
- **CCSI-CW/std/HP/HPP**
- **CCM**
- **CCM-I**
- **CCM-II**

**www.aerodiode.com**
## Technical Specifications

**GUI (examples)**

**Mechanical (examples):**

**Classification:**

<table>
<thead>
<tr>
<th>Name</th>
<th>808LD:</th>
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</table>
| **Diode type** | 1: 250 mW Butterfly singlemode  
2: 10 W multimode  
3: 35 W multimode  
4: 60 W multimode  
4: 100 W multimode |
| **Driver Electronics:** | 0: No driver - laser diode alone  
1: CW driver (for CW laser emission only)  
2: Pulse and CW driver  
3: SHAPER (User design temporal pulse shape)  
4: High power CCM(1) (for multimode diodes) |
| **Form Factor** | 0: No driver - laser diode alone  
1: Open-Frame  
2: Turn-Key |

**Ordering information:**

808LD - [ ] - [ ] - [ ]

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<tr>
<th>Diode type</th>
<th>Driver type</th>
<th>Form Factor</th>
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<tr>
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