Compact & reliable medical, scientific and illumination applications with Jenoptik’s solid-state lasers.

JenLas® D2.mini is a class 4 OEM laser source for
– Ophthalmology
– Dermatology
– Show & Entertainment
– Spectroscopy
– Pumping of Ti:Sa
– Illumination

JenLas® D2.mini 2 – 8 W

Features
– Minimal dimensions
– Low heat dissipation
– OEM design
– Accessories available
– Ideal for small devices
– Low cooling requirements
– Designed for integration
– Complexity reduction
### Diode-pumped thin-disk laser, frequency-doubled

**JenLas® D2.mini 2 – 8 W | Specifications**

<table>
<thead>
<tr>
<th>General Properties</th>
<th>JenLas® D2.mini 2 W / 3 W</th>
<th>JenLas® D2.mini 5 W / 8 W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output power (cw)</td>
<td>2.0 W</td>
<td>3.0 W</td>
</tr>
<tr>
<td>Beam quality M²</td>
<td>&lt; 5 (typical ~ 4)</td>
<td>&lt; 6 (typical ~ 5)</td>
</tr>
<tr>
<td>Beam diameter</td>
<td>~ 1.5 mm</td>
<td>&lt; 2 mm</td>
</tr>
<tr>
<td>Beam divergence</td>
<td>&lt; 2 mrad (half angle)</td>
<td></td>
</tr>
<tr>
<td>Wavelength</td>
<td>532 nm ± 1 nm</td>
<td></td>
</tr>
<tr>
<td>Pulse duration*</td>
<td>~ 1 ms to cw</td>
<td></td>
</tr>
<tr>
<td>Power stability (rms)*, **</td>
<td>&lt; 3 %</td>
<td>&lt; 3 %</td>
</tr>
<tr>
<td>Lifetime</td>
<td>&gt;10,000 hours in cw mode</td>
<td></td>
</tr>
</tbody>
</table>

**Operating Conditions**

- Ambient temperature: 5 °C – 40 °C
- Relative humidity: 5 – 90 % (non condensing)

**Electrical Properties**

- Electrical input:
  - 2 V, < 20 A (typ. 17 A)
  - 2 V, < 25 A (typ. 18 A)
  - 2 V, < 30 A (typ. 25 A)
  - 2 V, < 35 A (typ. 30 A)
- Input power:
  - < 40 VA
  - < 50 VA
  - < 60 VA
  - < 70 VA

**Mechanical Properties**

- Dimensions (W x H x L):
  - 62 x 24 x 105.7 mm
  - 67 x 34 x 105.7 mm
- Weight:
  - 0.345 kg
  - 0.5 kg

**Optional Features**

- SMA connector for 100 μm fiber-core
- Aiming beam
- Fiber detection & power monitor (redundant)

* dependent on current supply
** in thermal equilibrium

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**JenLas® D2.mini 2 W / 3 W**

![Diagram of JenLas® D2.mini 2 W / 3 W](image1)

**JenLas® D2.mini 5 W / 8 W**

![Diagram of JenLas® D2.mini 5 W / 8 W](image2)

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It is our policy to constantly improve the design and specifications. Accordingly, the details represented herein cannot be regarded as final and binding. For the operation of the laser, a suitable power supply must be used that complies with the regulations relevant to the respective application. Please contact us for further technical details.