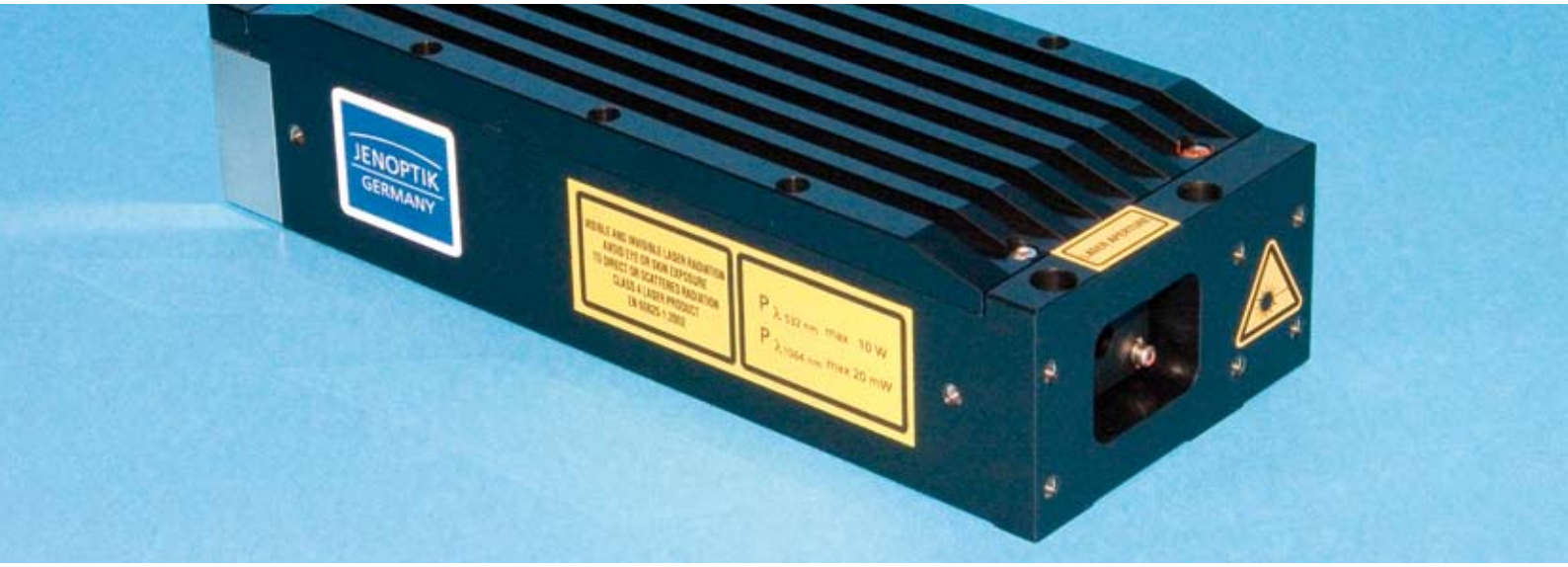
# JenLas.® *D2.8*

## Diode-Pumped Thin-Disk Laser - frequency-doubled




### Features:

- OEM design for easy integration
- Peltier cooling, system contains no water
- High beam quality
- Small dimensions

### Technology:

- Thin-disk laser
- Diode pumping
- Frequency doubling
- cw operation

### Applications:

- Medical engineering
- Show applications
- Display engineering
- Pumping of solid-state lasers
- Light exposure of plastic materials
- Substitution of Argon lasers

Excellence through light: Lasers

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## Diode-Pumped Thin-Disk Laser - frequency-doubled

## Specifications

| Parameters | |
|---|---|
| Laser | Thin-disk laser, diode-pumped |
| Laser class | 4 (according to EN 60825-1:2001) |
| Wavelength | 532 nm |
| Ambient temperature | 10 °C ... 40 °C |

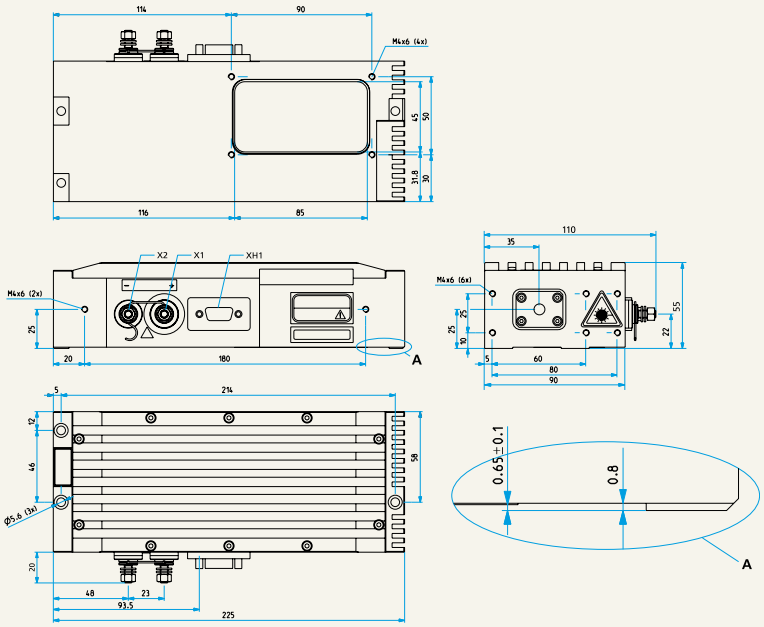
| cw operation | |
|---|---|
| Output power | 8 W |
| $M^2$ | < 10 (coupling into fiber with 100 µm core) |
| Pulse duration, switchable via diode laser current | ~ 1 ms to cw |
| Beam diameter | < 2 mm |
| Ellipticity | < 1:1.5 |

| Electrical specifications | |
|---|---|
| Electrical input data | 2 V, typically 40 A (at diode laser) |
| Input power | < 80 VA |

| Mechanical specifications | |
|---|---|
| Dimensions (W x H x L) | 110 mm x 55 mm x 225 mm |
| Weight | 2.6 kg |

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.

Laser head




It is our policy to constantly improve the design and specifications. Accordingly, the details represented herein cannot be regarded as final and binding.

JENOPTIK GERMANY

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INVISIBLE LASER RADIATION, AVOID IRRADIATION OF EYES OR SKIN TO DIRECT OR SCATTERED RADIATION LASER CLASS 4 EN 60825-1:2002

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