



JenLas[®] D2.mini Diode-Pumped Thin-Disk Laser



Features:

- Minimal dimensions
- Low heat dissipation
- OEM design
- Accessories available

Advantages:

- Ideal for small devices
- Low cooling requirements
- Designed for integration
- Complexity reduction

Applications:

- Ophthalmology
- Show & Entertainment
- Spectroscopy
- Science
- Pumping of Ti:Sa

JenLas® D2.mini

Diode-Pumped Thin-Disk Laser

Specifications

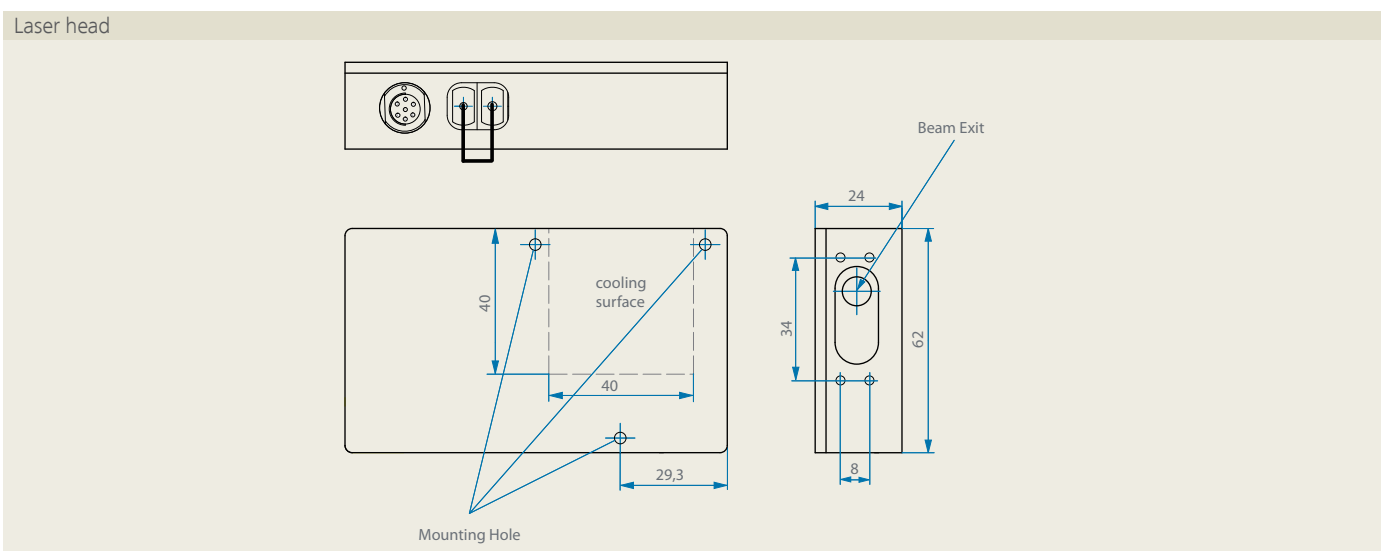
| Parameters | |
|---------------------|---|
| Laser | frequency-doubled thin-disk laser, diode-pumped |
| Laser class | 4 (according to EN 60825-1) |
| Wavelength | 532 nm ± 1 nm |
| Ambient temperature | + 5 °C ... + 40 °C |

| cw operation | |
|--|--|
| Output power | 2.0 W or 3.0 W |
| Power stability (rms) | < 3 % |
| Beam quality M ² | < 5 (typical < 4) (sufficient for coupling into 50 µm fiber) |
| Beam diameter | < 1.5 mm |
| Divergency | < 2 mrad |
| Pulse duration, switchable via diode laser current | ~ 1 ms to cw (amplitude modulation up to 50 kHz possible) |

| Electrical specifications | |
|---------------------------|-----------------------------------|
| Electrical input data | 2 V, typical 18 A (at pump diode) |
| Input power | < 40 VA |

| Mechanical specifications | |
|---------------------------|--------------------------|
| Dimensions (W x H x L) | 105.7 mm x 62 mm x 24 mm |
| Weight | ~ 0.5 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.



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



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