



# JenLas<sup>®</sup> D2

## Diode-Pumped Thin-Disk Laser - Frequency-Doubled



### Features:

- OEM design for easy integration
- High beam quality
- Small dimensions

### Technology:

- Thin-disk laser
- Diode pumping
- Frequency doubling
- cw operation
- Peltier cooling (TEC), system contains no water

### Applications:

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

### Specifications

Parameters	
Laser	Thin-disk laser, diode-pumped
Laser class	4 (according to EN 60825-1)
Wavelength	532 nm
Ambient temperature	5 °C ... 40 °C

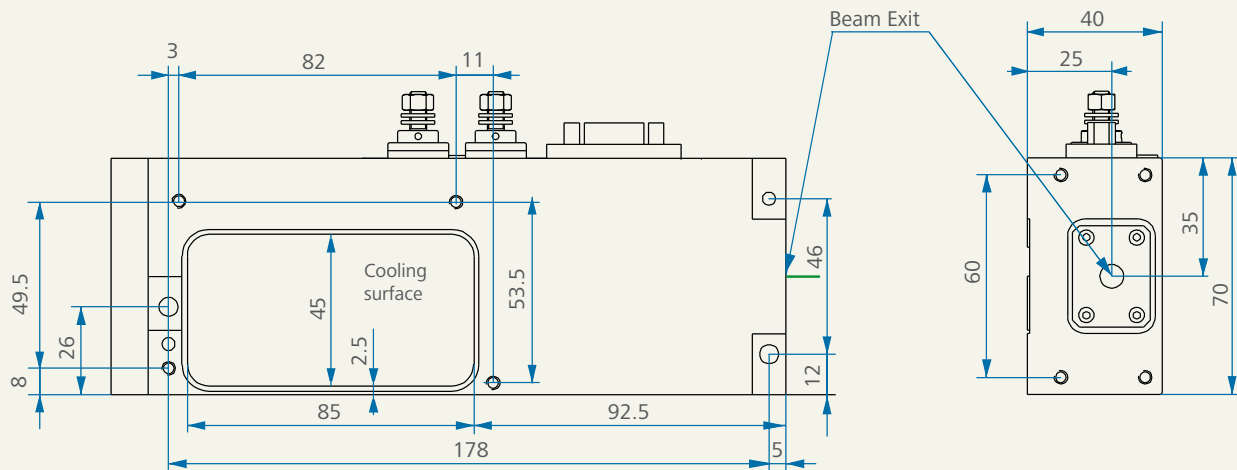
cw operation	
Output power	3 / 5 W
M <sup>2</sup> (typical)	~ 5 (coupling into fiber with 50 µm core possible)
Pulse duration, switchable via diode laser current	~ 1 ms to cw (amplitude modulation up to 20 kHz possible)
Beam diameter	< 2 mm

Electrical specifications	
Electrical input data	2 V, typically 23 A (at diode laser for 5 W)
Input power	≤ 60 VA

Mechanical specifications	
Dimensions (W x H x L)	70 mm x 40 mm x 200 mm
Weight	1.8 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.



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