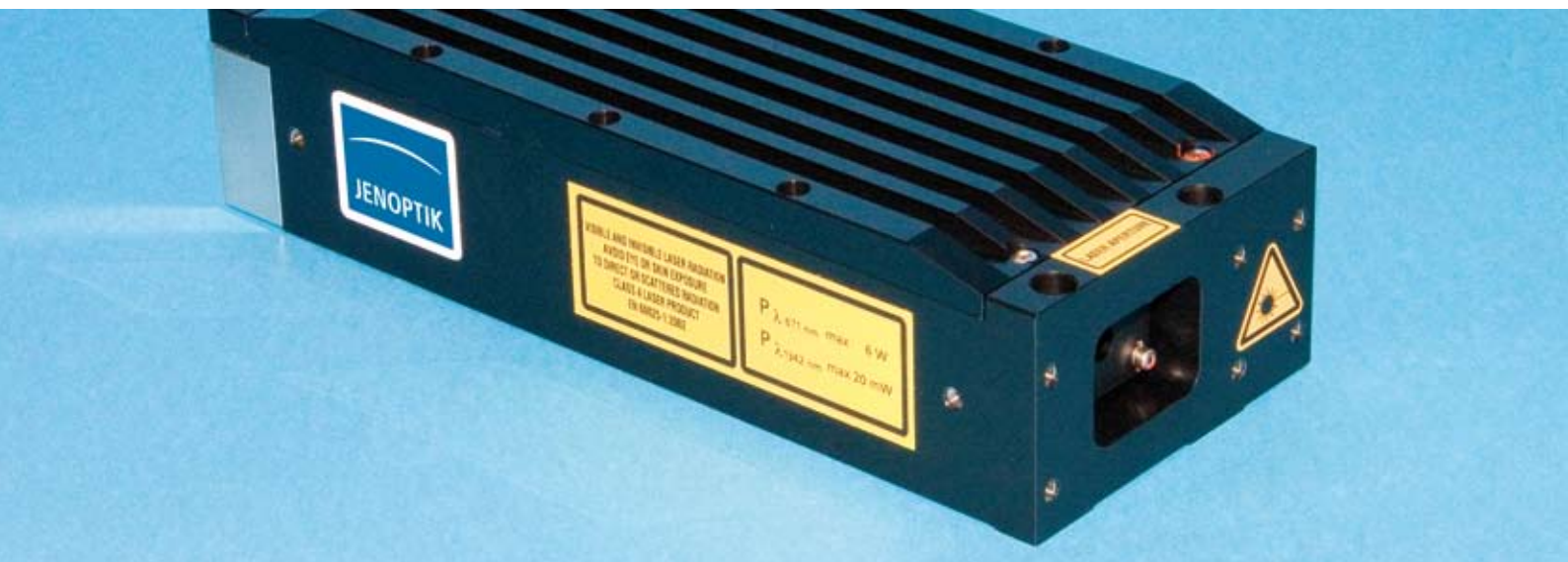




JenLas[®] D2.fox

Thin-Disk Laser - frequency-doubled



Features:

- OEM design for easy integration
- High beam quality
- Small dimensions
- Emission in the red spectral range

Technology:

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

Applications:

- Show applications
- Display engineering
- Medical engineering
- Bio technology
- Light exposure of plastic materials
- Substitution of Argon ion and mixed gas lasers

JenLas[®] D2.fox

Thin-Disk Laser - frequency-doubled

Specifications

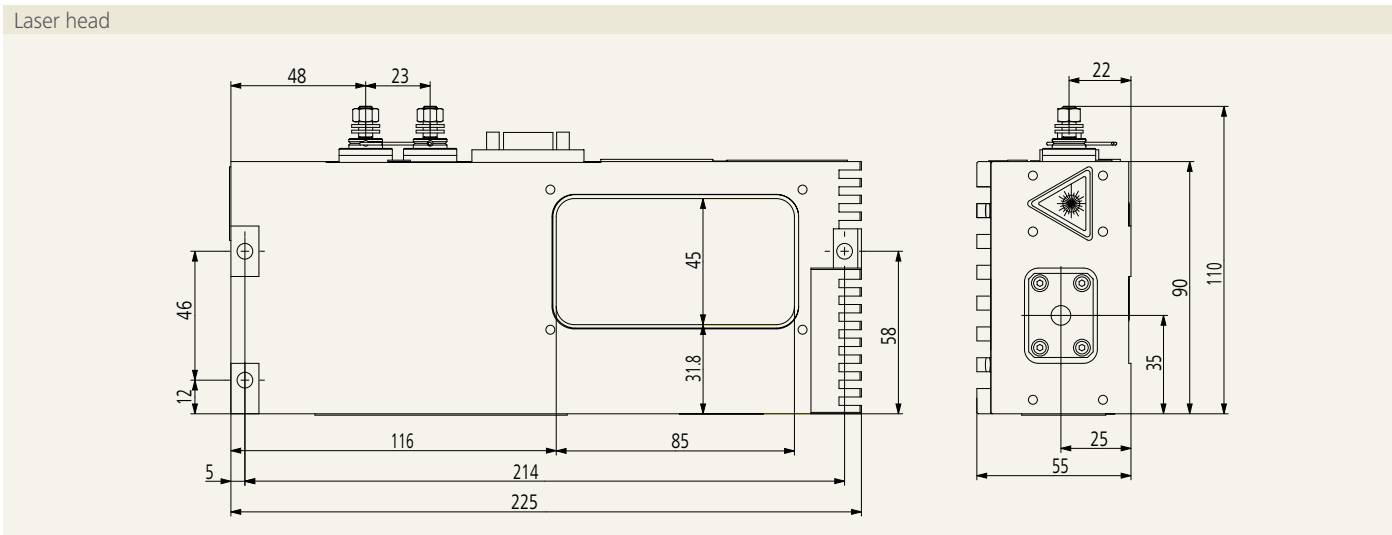
Parameters	
Laser	Thin-disk laser, diode-pumped
Laser class	4 (according to EN 60825-1:2002)
Wavelength	671 nm
Ambient temperature	5 °C ... 40 °C

cw operation	
Output power	1.2 W
M ² (typical)	5 (coupling into fiber with 50 µm core)
Pulse duration, switchable via diode laser current	~ 1 ms to cw (amplitude modulation up to 20 kHz possible)
Beam diameter	< 2 mm
Ellipticity	< 1:1.5

Electrical specifications	
Electrical input data	2 V, typically 28 A (at diode laser)
Input power	≤ 80 VA

Mechanical specifications (Laser head)	
Dimensions (W x H x L)	110 mm x 55 mm x 225 mm
Weight	approx. 2.5 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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