

MORE LIGHT

JenLas® *D2.mini* 2 – 8 W

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

Applications

JenLas® *D2.mini* is a class 4 OEM laser source for

- Ophthalmology
- Dermatology
- Show & Entertainment
- Spectroscopy
- Pumping of Ti:Sa
- Illumination

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

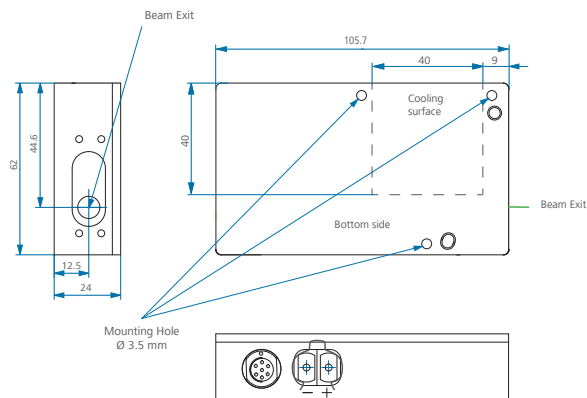
JenLas® D2.mini 2 – 8 W | Specifications

| General Properties | JenLas® D2.mini 2 W 3 W | | JenLas® D2.mini 5 W 8 W | |
|------------------------------|---|-------------------------|---------------------------|-------------------------|
| Output power (cw) | 2.0 W | 3.0 W | 5.0 W | 8.0 W |
| Beam quality M ² | < 5 (typical ~ 4) | | < 6 (typical ~ 5) | |
| Beam diameter | ~ 1.5 mm | | < 2 mm | |
| Beam divergence | < 2 mrad (half angle) | | | |
| Wavelength | 532 nm ± 1 nm | | | |
| Pulse duration* | ~ 1 ms to cw | | | |
| Power stability (rms)*, ** | < 3 % | | | |
| Lifetime | >10,000 hours in cw mode | | | |
| 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 | | | | |
| Fiber coupling unit includes | - SMA connector for 100 µm fiber-core - Aiming beam - Fiber detection & power monitor (redundant) | | | |

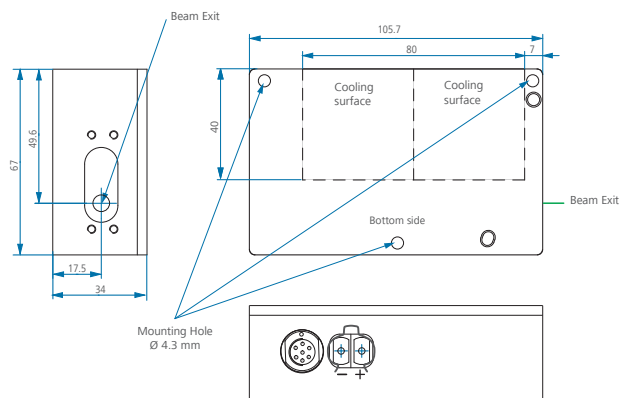
* dependent on current supply

** in thermal equilibrium

JenLas® D2.mini 2 W | 3 W



JenLas® D2.mini 5 W | 8 W



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.