

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

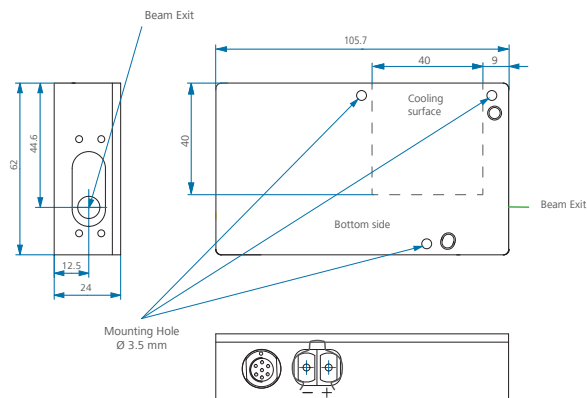
JenLas® D2.mini 2 – 8 W | Specifications

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)			

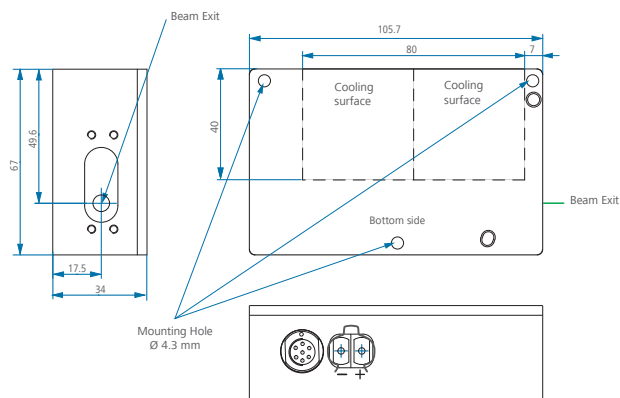
* dependent on current supply

** 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.