

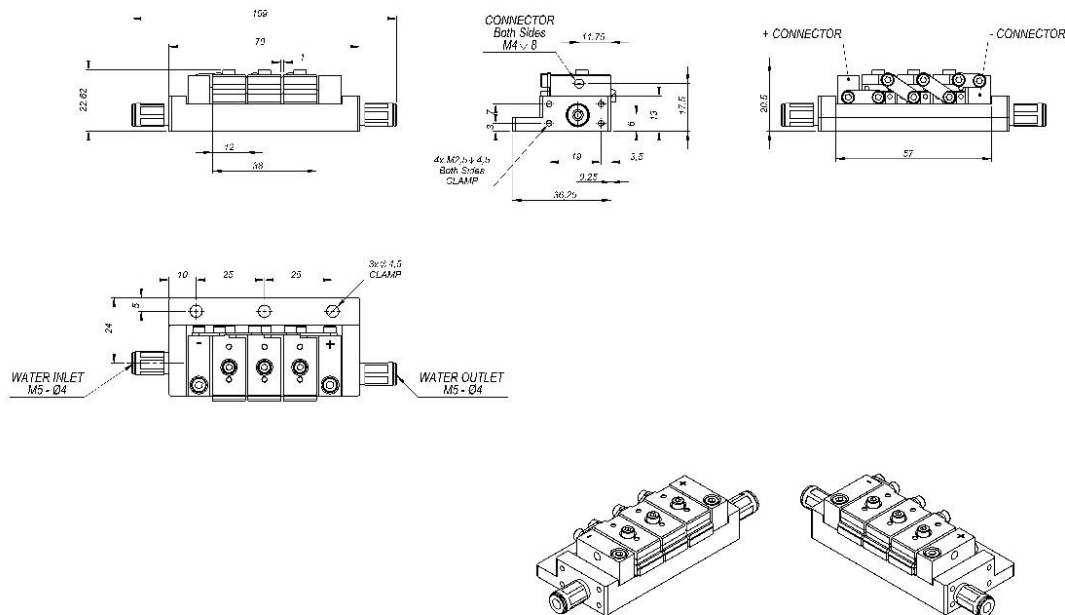


Actively Cooled Linear Diode Laser Array (LB03)

Suitable for:

- Optical pumping
- Illumination
- Imaging

Linear Diode Laser Array - LB03 | 3 laser bars package



Linear Diode Laser Array- LB03

Product specification are subject to change without notice.
For complete details, please contact your local MONOCROM sales representative.

UNE EN ISO 9001:2015

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Linear Diode Laser Array - LB03 | TECH SPECIFICATIONS

Laser Parameters	
Wavelength ⁽¹⁾ [nm]	640-2200
Spectral width (FWHM) [nm]	~ 5nm
Stack peak power ⁽²⁾ , P _{max} [W]	CW 250W bar / QCW 500W bar
Operating current, I _{op} [A]	CW <180 / QCW <500
Voltage @ connectors ⁽³⁾ V [V _{dc}]	~ 2/bar
Pitch between centers [mm]	12,5-13,5
Bar smile (PV) [μm]	<0,3
Coolant flow [l/min]	1,5-2,0
Coolant pressure [bar]	2,5-3,5
Coolant temperature ⁽⁴⁾	Non-condensing-25
Coolant	90% deionized water + 10% ethyleneglycol
Weight [g]	TBC
Package dimensions (HxWxL) [mm]	See outline
Electrical connections	2x M4 threads
Water connections	2x Ø 6mm holes
Laser class (EN-60825)	4
Expected lifetime	QCW 2·10 ⁹ shots / CW >20000h

Specifications at 20°C, in the beginning of lifetime.

1. Maximum ratings are NOT all achievable at a time
2. Number of Laser bars = 3
3. Voltage from the power supply must be higher, as due to high current there will be a voltage drop in the cables.
4. The coolant temperature must be adjusted to get the right central wavelength according to the data supplied with each unit

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