



Diode Pumped Solid State Laser

LU-LPQ-1064

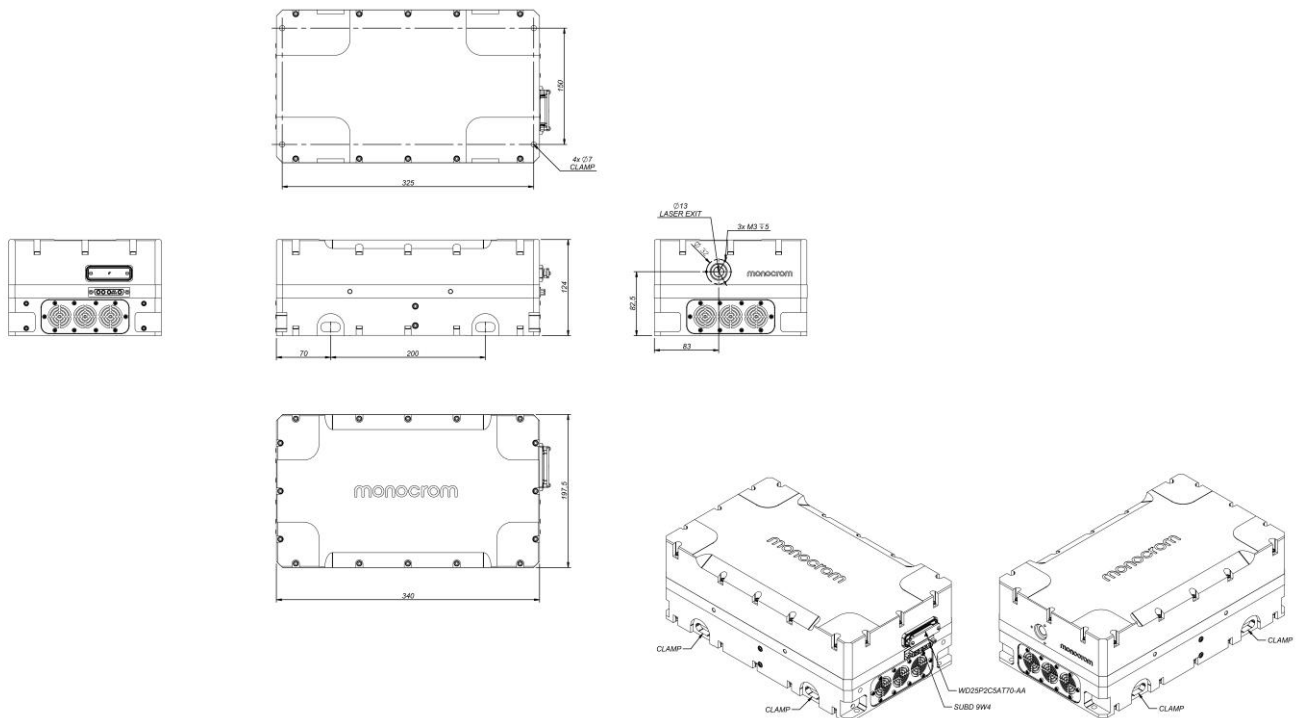
Features:

- MOPA System
- High pulse energy
- ns laser pulses
- Excellent beam quality
- External trigger
- Low cooling requirements
- Monitor photodiode
- Aiming beam

Suitable for:

- LIBS
- Laser-induced fluorescence
- Time resolved luminescence and spectroscopy
- Pumping
- Material processing
- LIDAR

LU-LPQ-1064-mJ I outline



Diode Pumped Solid State Laser
2ENLPPLM90-019

Version: 1.0.0.0

Product specification are subject to change without notice.

For complete details, please contact your local MONOCROM sales representative.

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LU-LPQ-1064 | TECH Specifications

| Laser Head | 2ENLPPLM90-019 |
|--|----------------------|
| Wavelength [nm] | 1064 |
| Pulse energy ⁽¹⁾ [mJ] | up to 20 |
| Repetition rate [Hz] | up to 100 |
| Pulse duration [ns] | 1.8 |
| Timing jitter [µs] | 5 |
| Average power [W] | 2 |
| Output beam size [mm] | 0.9 |
| Full angle divergence [mrad] | 3.5 |
| Beam circularity | 1:1.05 |
| Pointing stability [µrad] | 50 |
| Mechanics | |
| Operation temperature [°C] | non-condensing to 45 |
| Storage temperature [°C] | -10 to 75 |
| Warm up time ⁽²⁾ [min] | 5 |
| Thermal stabilisation | TEC |
| Laser head ³ dimensions (w × l × h) | 150 × 200 × 380 |
| Controlling unit dimension | 19" rack mount |
| Laser class (EN-60825) | 4 |
| Expected lifetime [hours] | 10000 |

Note: Not all maximum specifications can be achieved at a time

1. The laser can be operated in a single pulse or multiple-pulses with a time gap between two successive pulses $50 \pm 10 \mu\text{s}$.
2. Depending on room temperature conditions.
3. The laser head housing is based on a very robust and sealed/dust-proof design.

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UNE EN ISO 9001:2015

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