



Diode Pumped Solid State Laser

LU-LPQ-1064

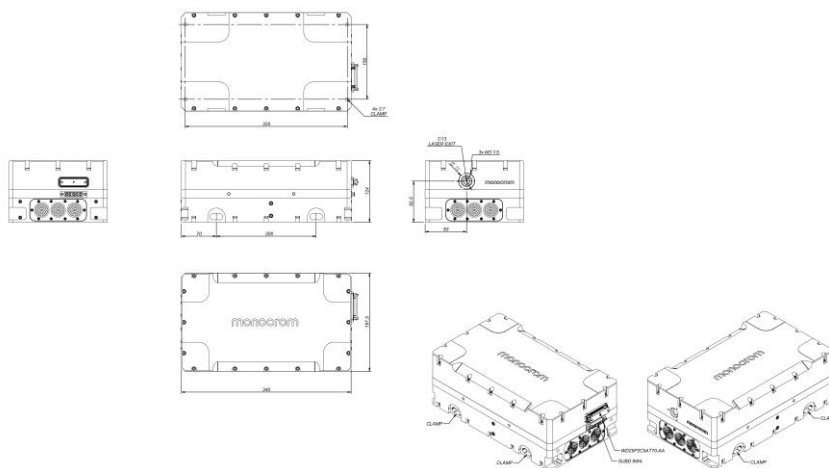
Features:

- MOPA System.
- High pulse energy.
- Ns laser pulses.
- Excelent 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 | 1 bar package



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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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LU-LPQ-1064 | TECH Specifications

	Minimum	Operation	Max. rating
Wavelength [nm]		1064	
Pulse energy ¹ [mJ]	<0.1	16	20
Repetition rate [Hz]	1	100	100
Pulse duration [ns]	1	2	4
Timing jitter [µs]	1	2	5
Average power [W]	0.8	1.6	2
Output beam size [mm]		0.9	
Full angle divergence [mrad]		3.5	
Beam circularity		1:1,05	1:1,1
Pointing stability [µrad]			50
Operation temperature [°C]	20	25	40
Storage temperature [°C]	-10		75
Warm up time ² [min]		5	10
Thermal stabilisation		By TEC	
Laser head ³ dimensions		150x200x380	
Controlling unit dimension		Rack 19" compatible	
Laser class (EN-60825)		4	
Expected lifetime [hours]		10.000	

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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